

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

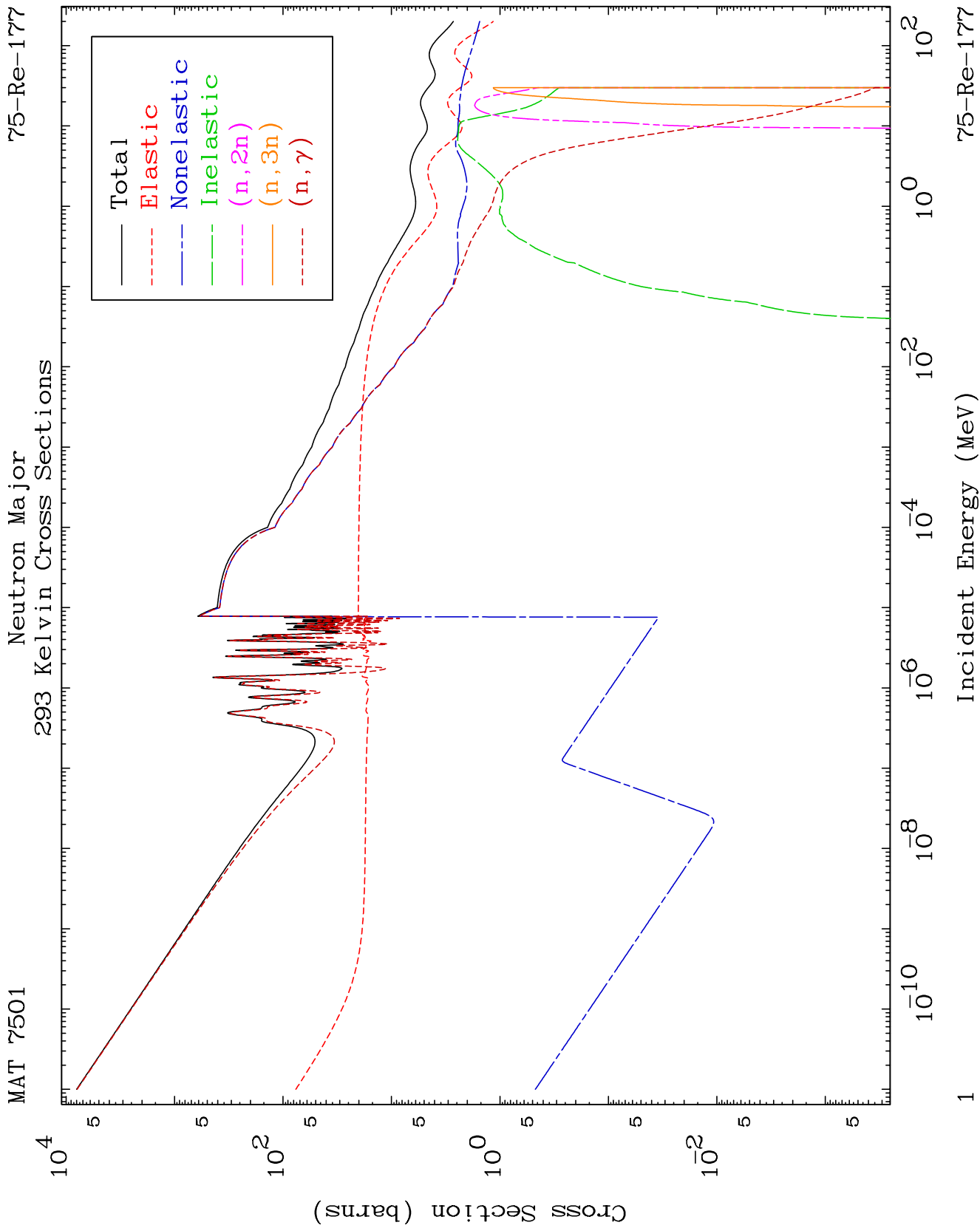
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E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

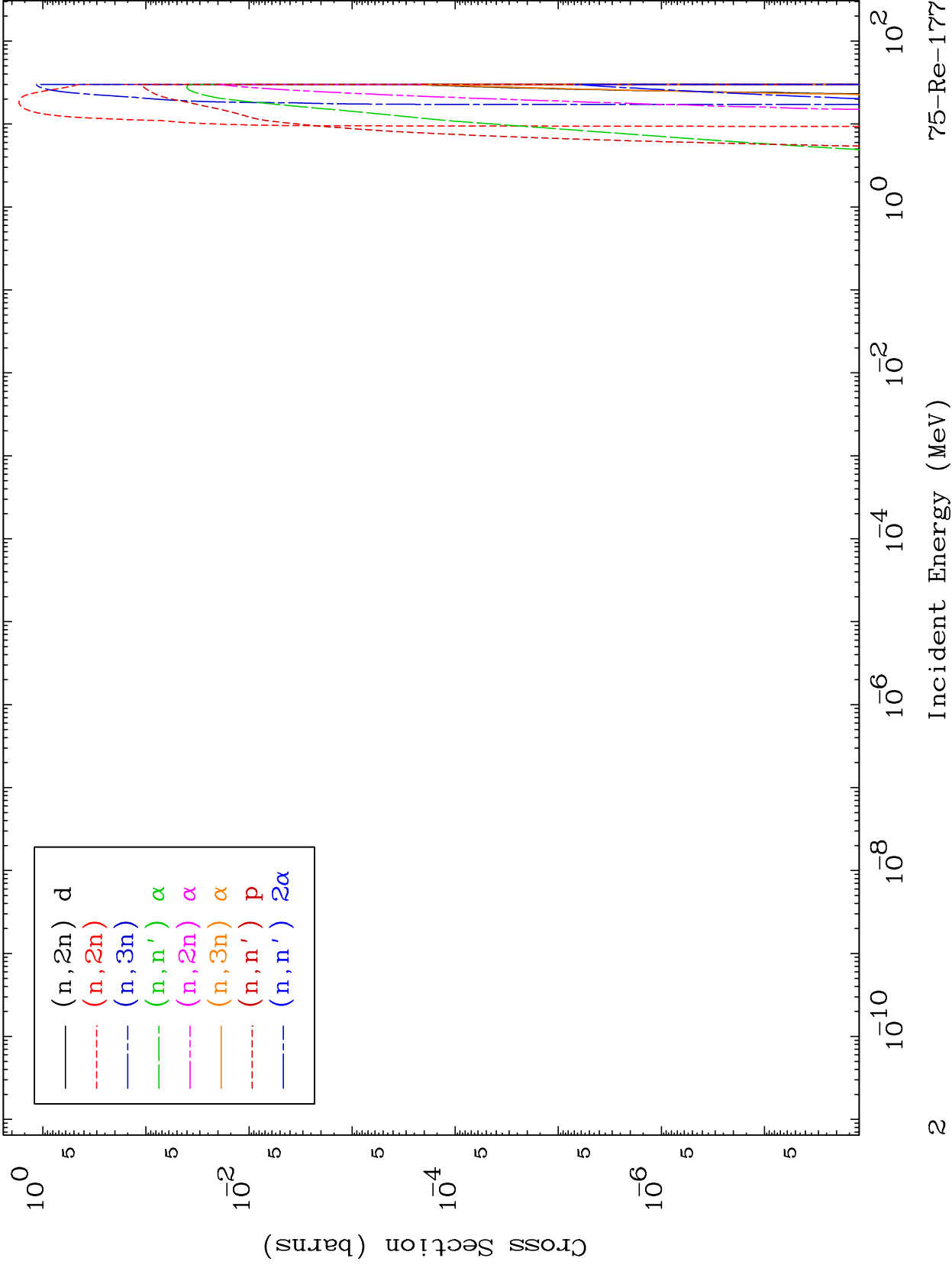
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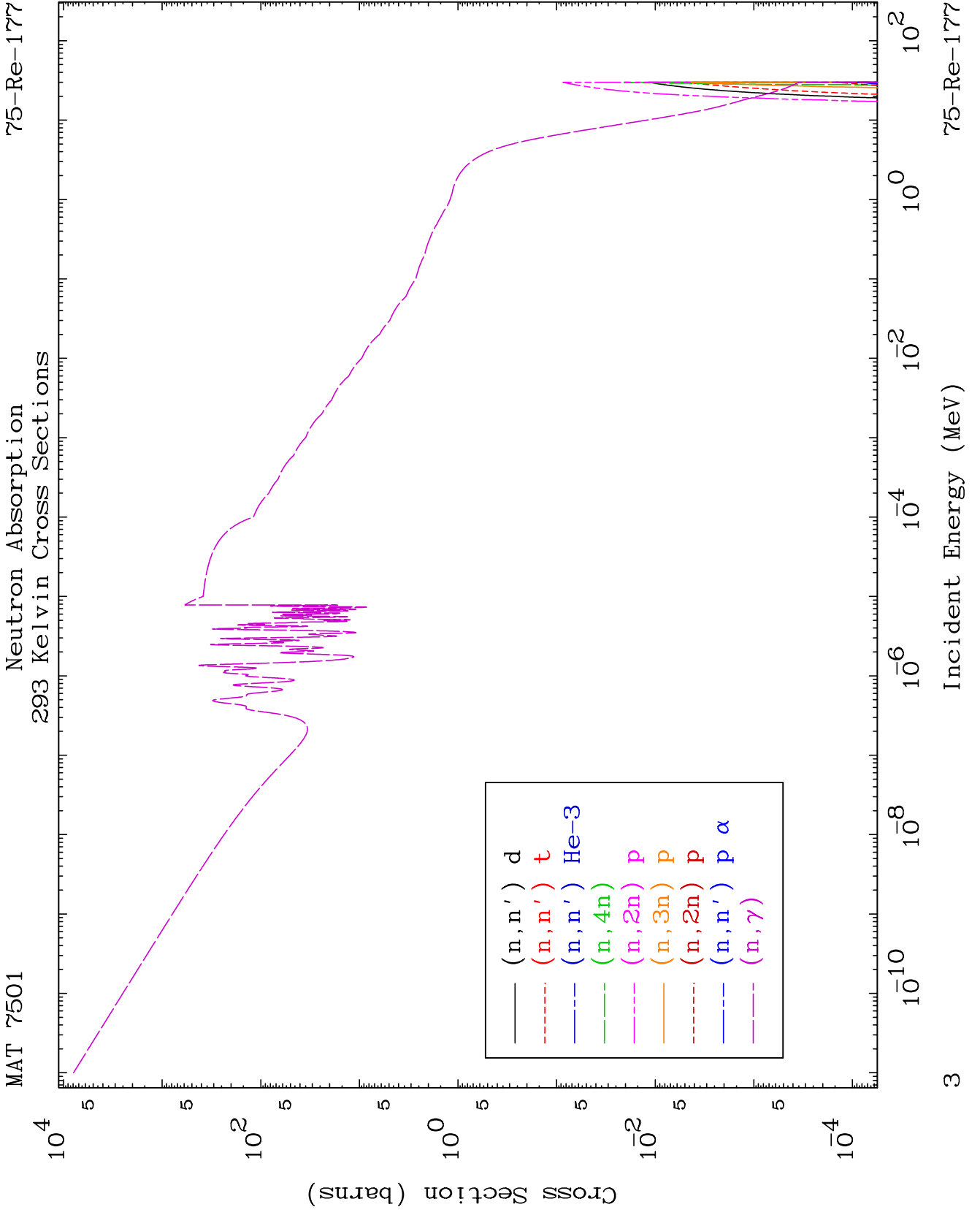


MAT 7501

Neutron Absorption
293 Kelvin Cross Sections

75-Re-177

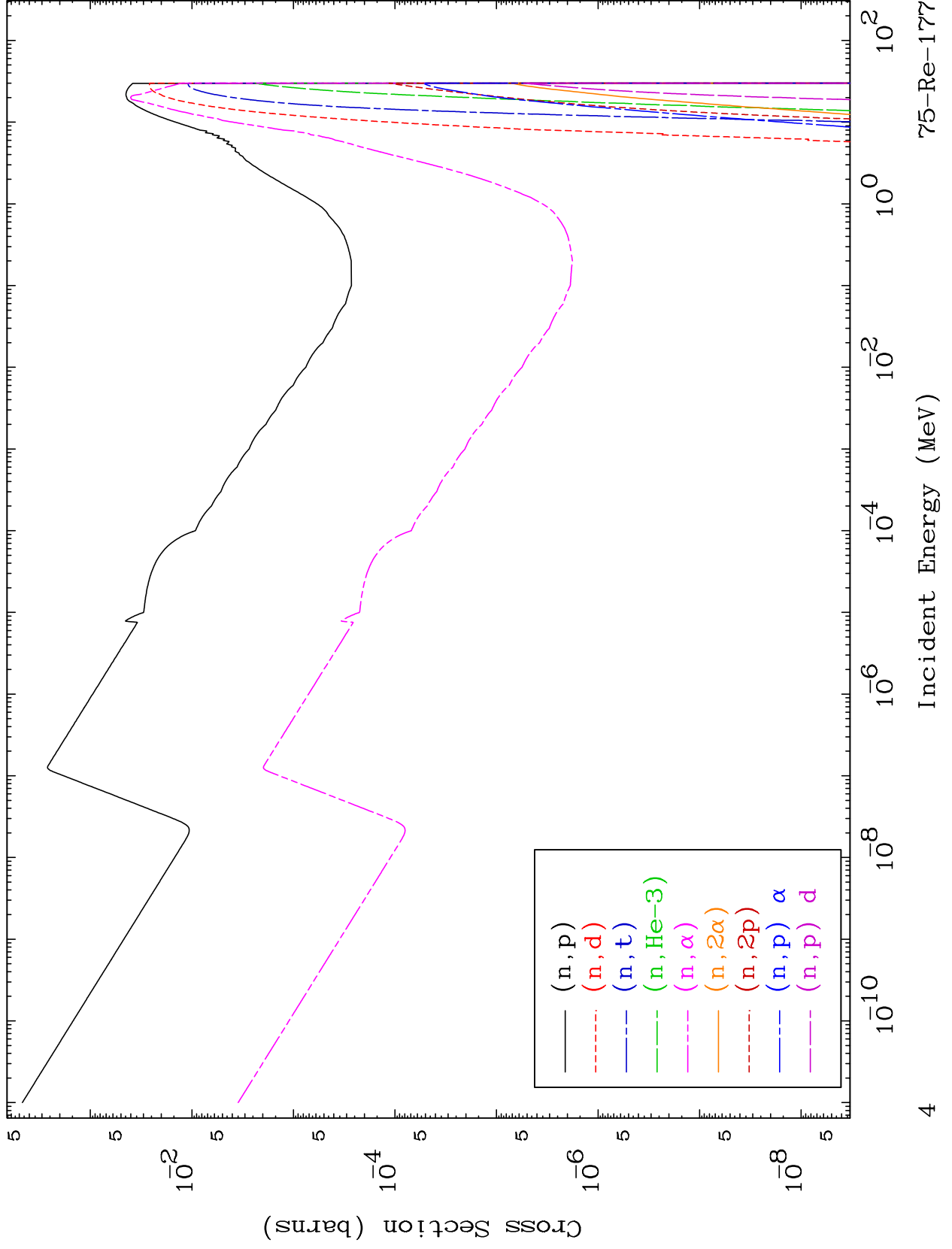




MAT 7501

Neutron Absorption
293 Kelvin Cross Sections

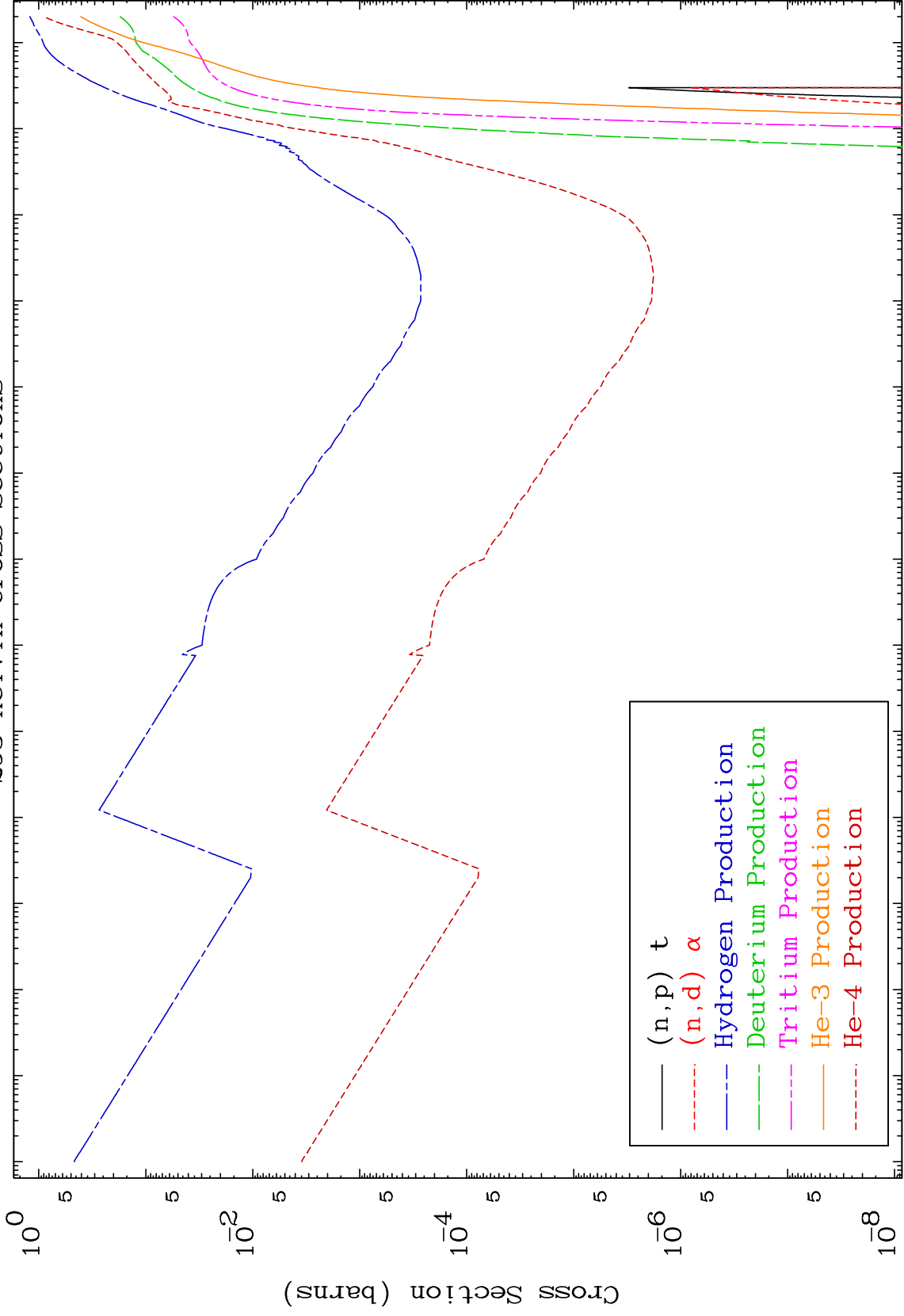
75-Re-177



MAT 7501

Neutron Absorption
293 Kelvin Cross Sections

75-Re-177



Incident Energy (MeV)

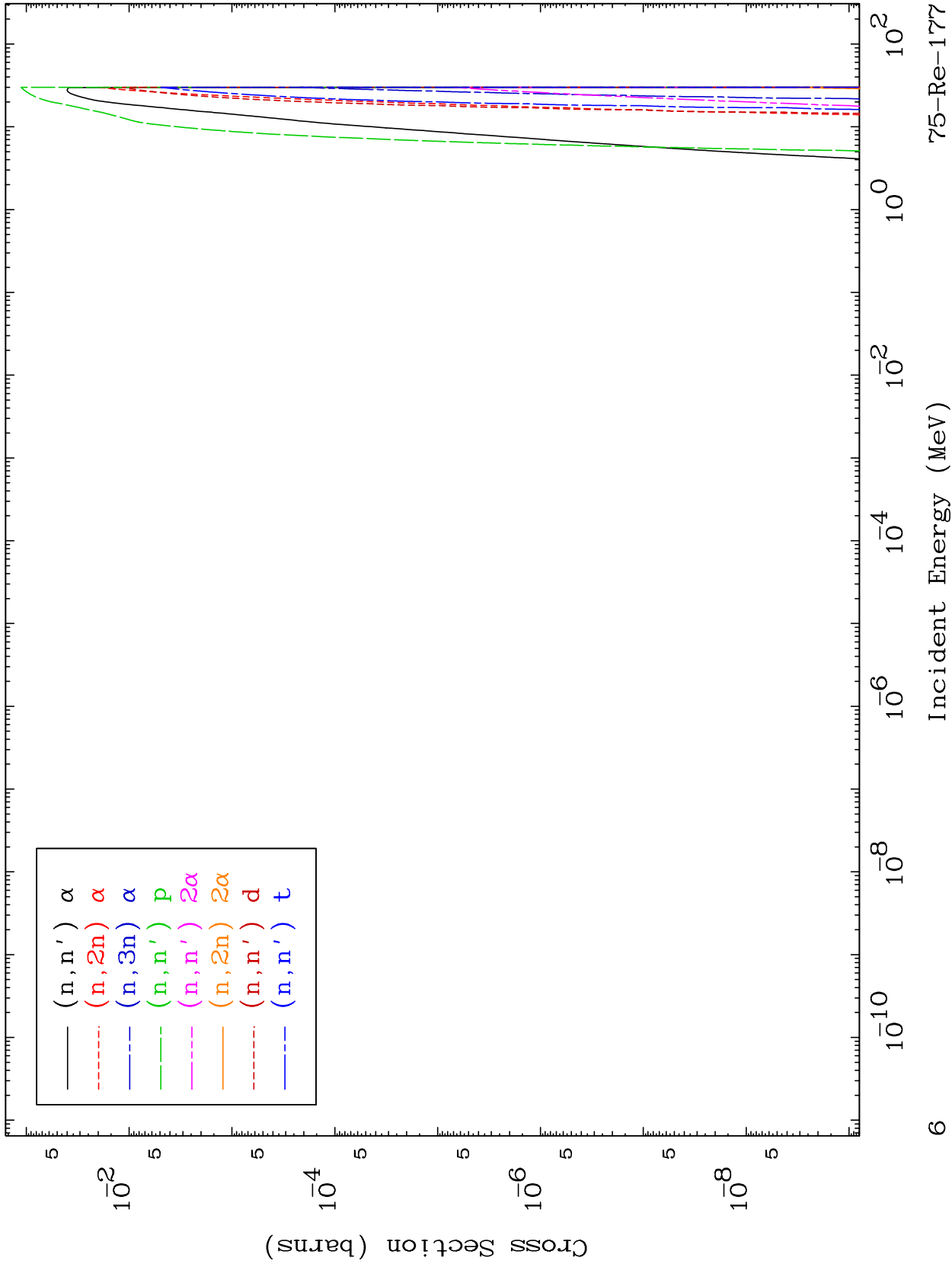
75-Re-177

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MAT 7501

Charged Particle
293 Kelvin Cross Sections

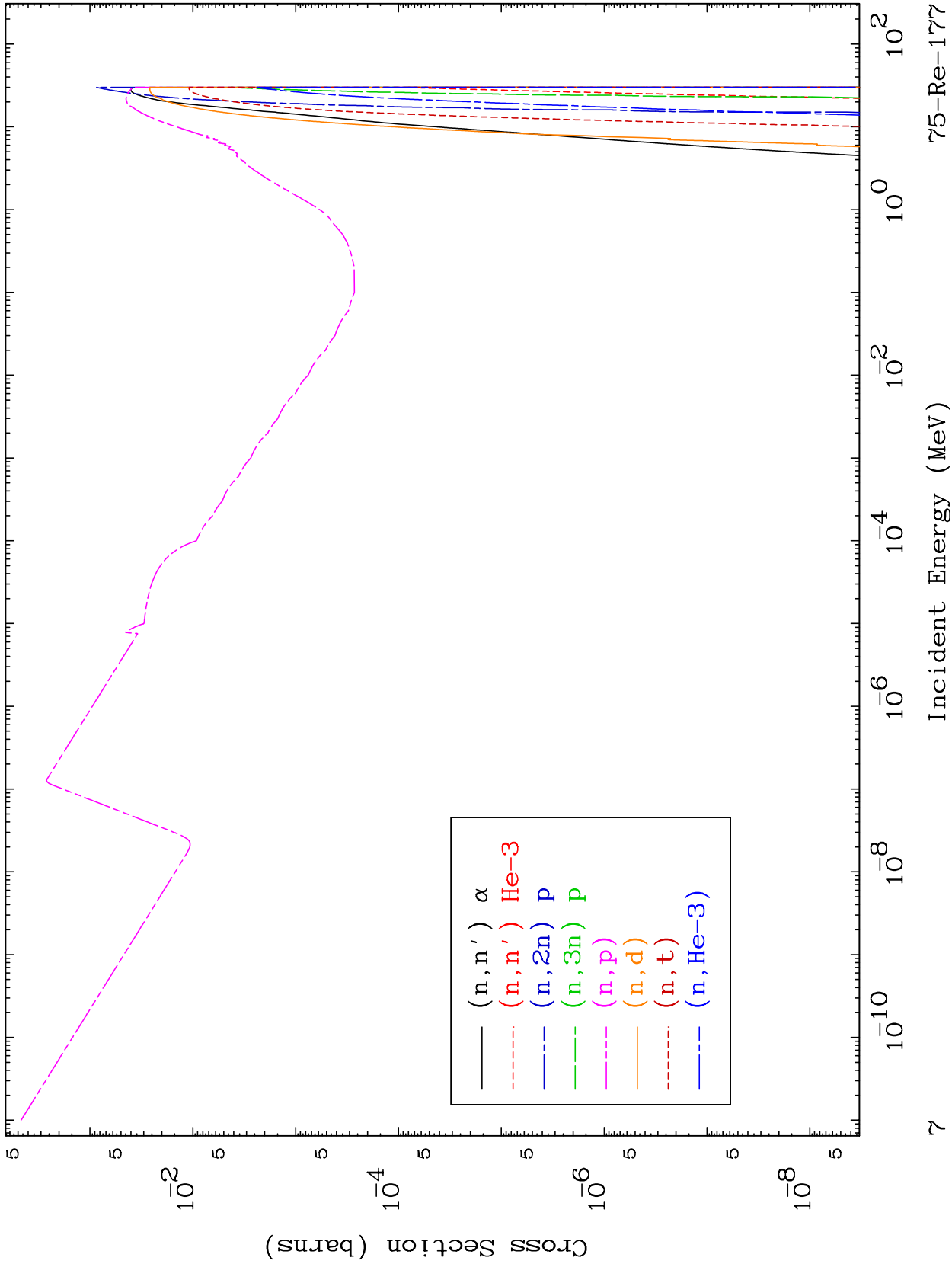
75-Re-177



MAT 7501

Charged Particle
293 Kelvin Cross Sections

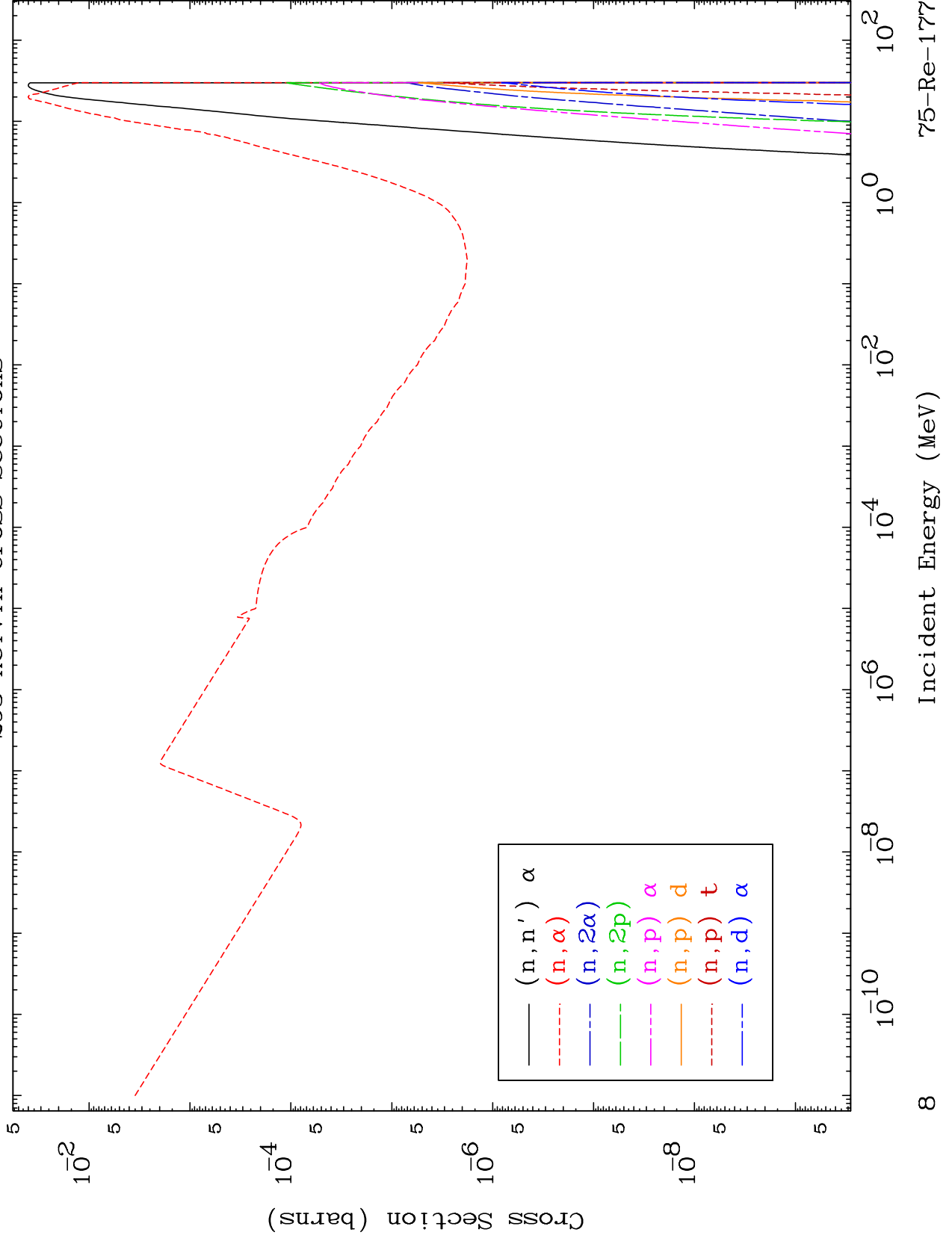
75-Re-177



MAT 7501

Charged Particle
293 Kelvin Cross Sections

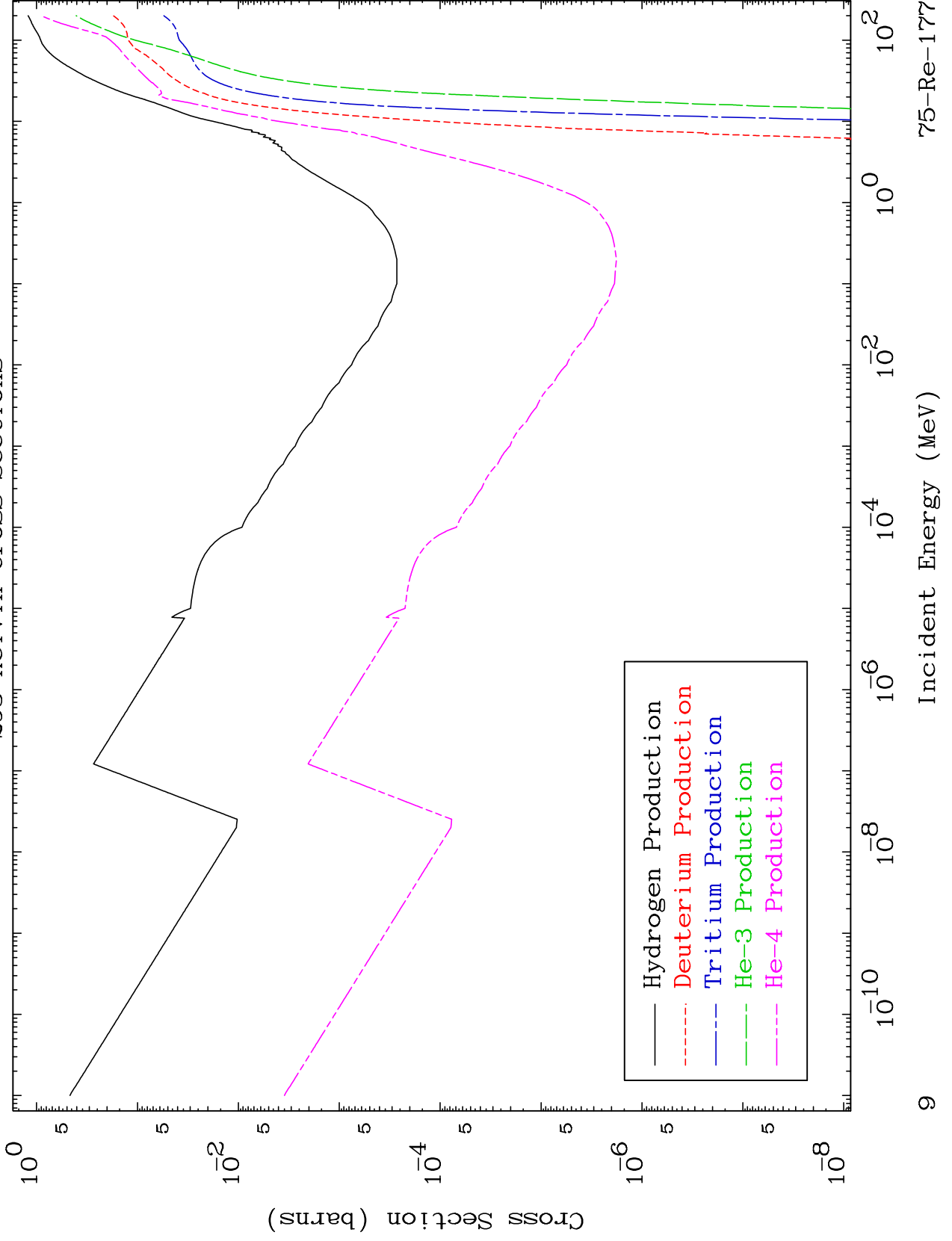
75-Re-177



MAT 7501

Particle Production
293 Kelvin Cross Sections

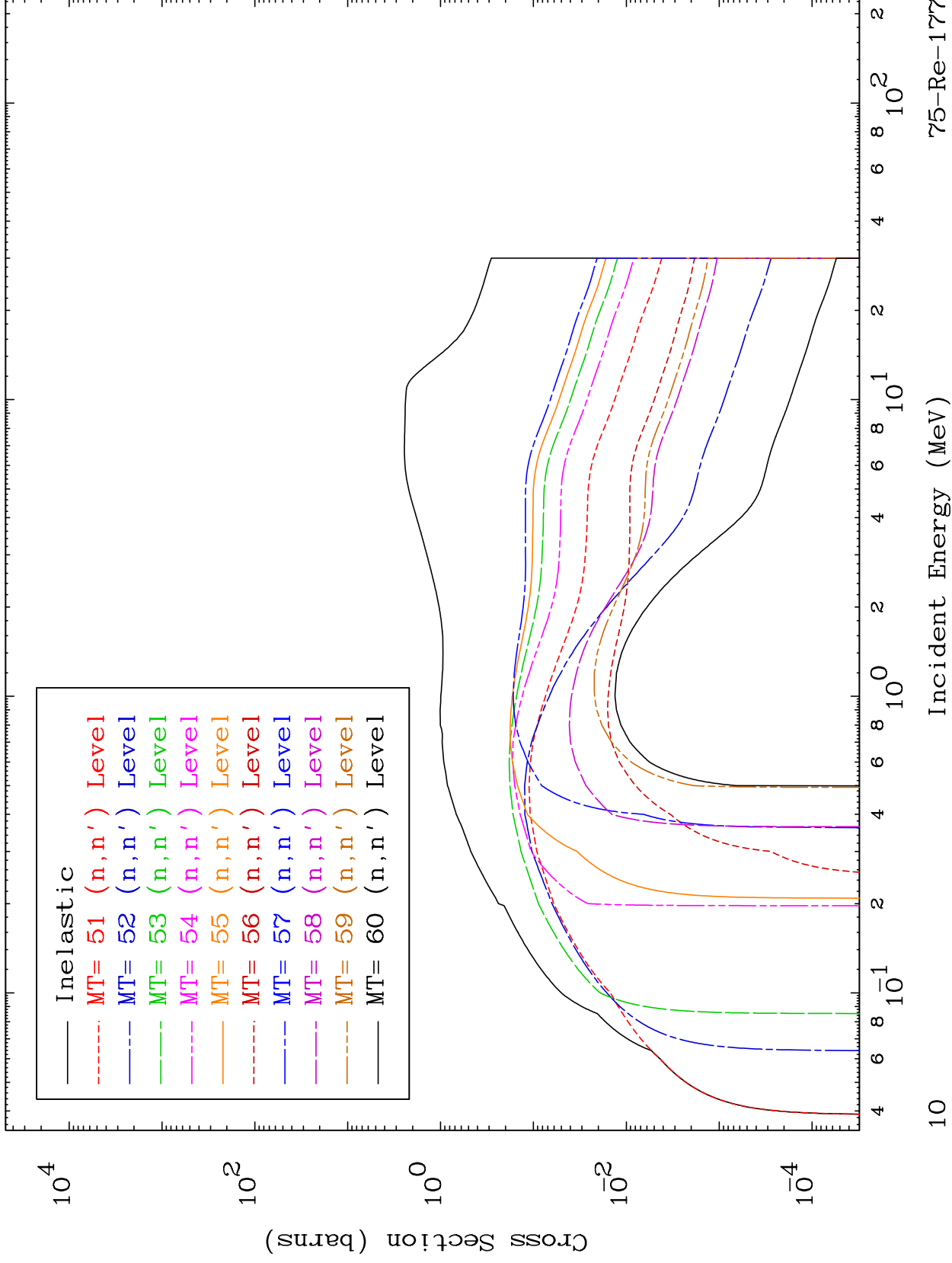
75-Re-177



MAT 7501

(n,n') Levels
293 Kelvin Cross Sections

75-Re-177



75-Re-177

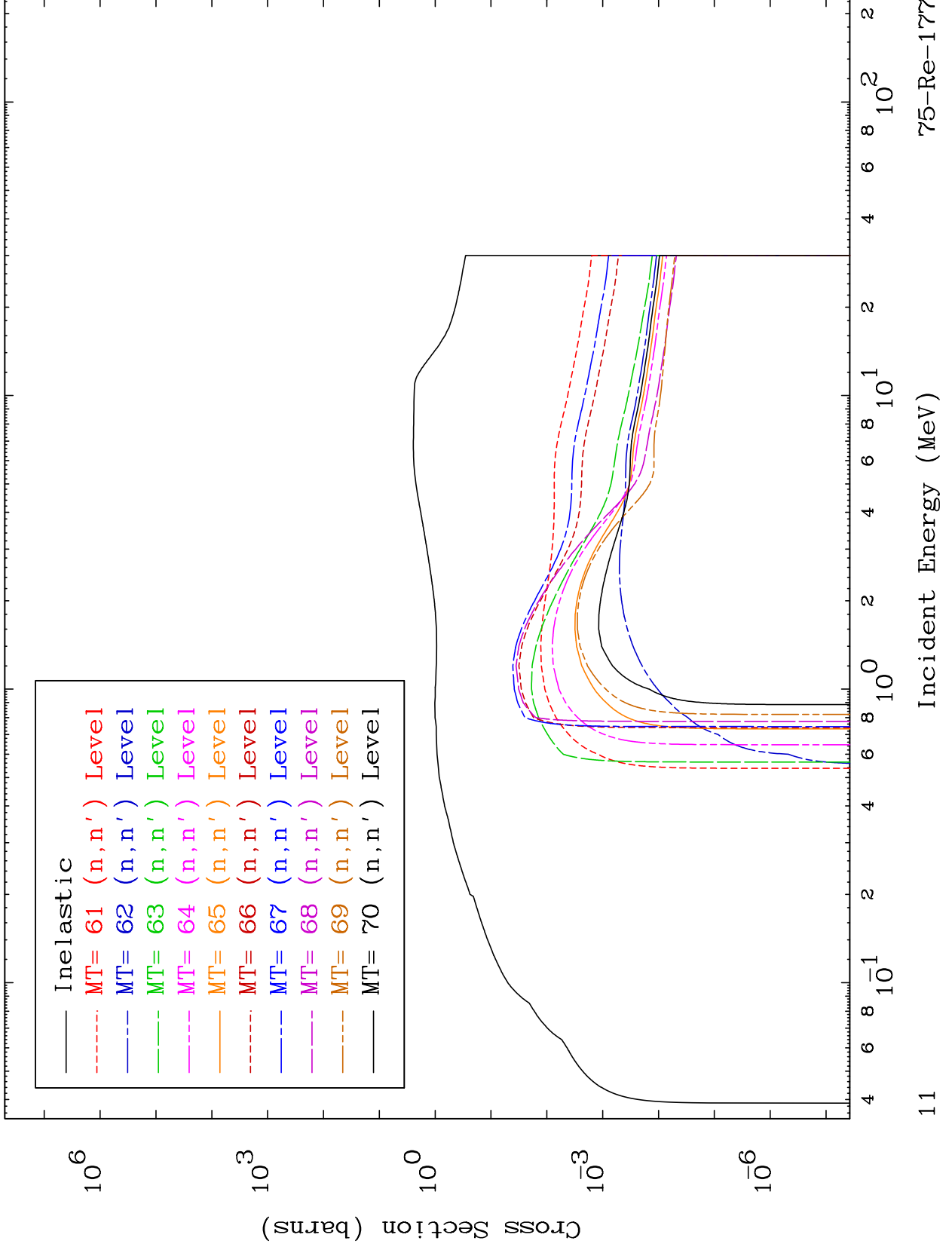
Incident Energy (MeV)

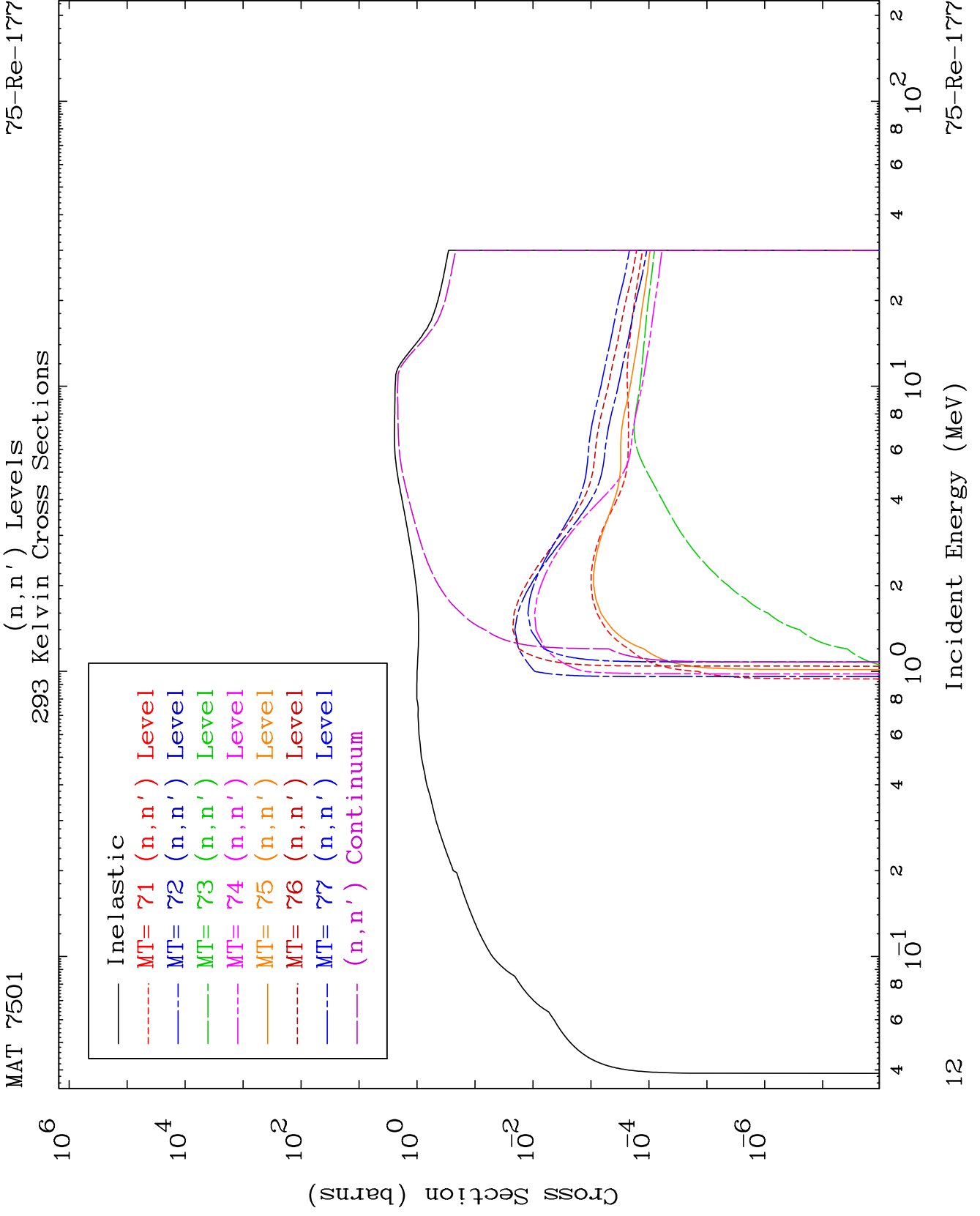
10

MAT 7501

(n,n') Levels
293 Kelvin Cross Sections

75-Re-177

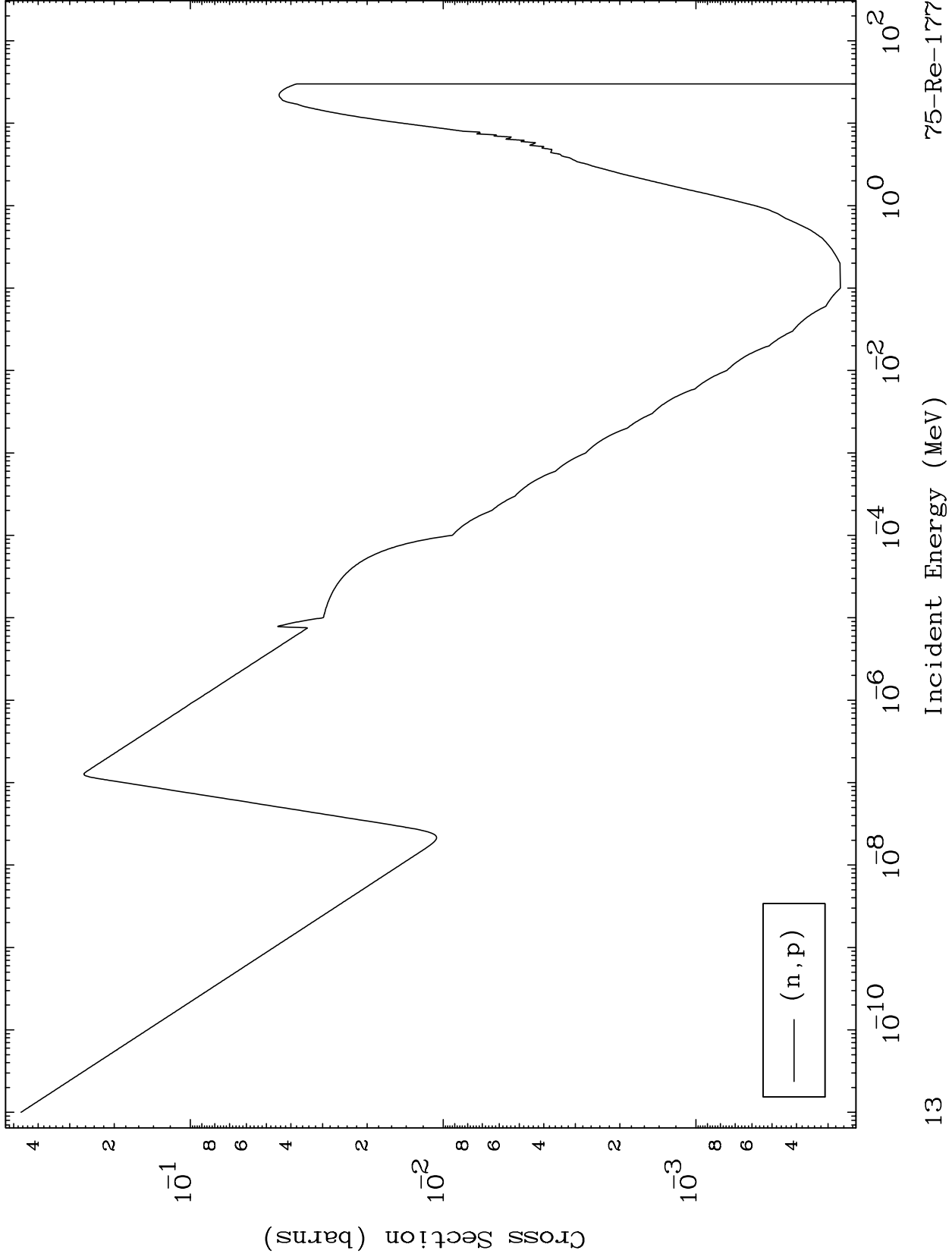




MAT 7501

(n,p) Levels
293 Kelvin Cross Sections

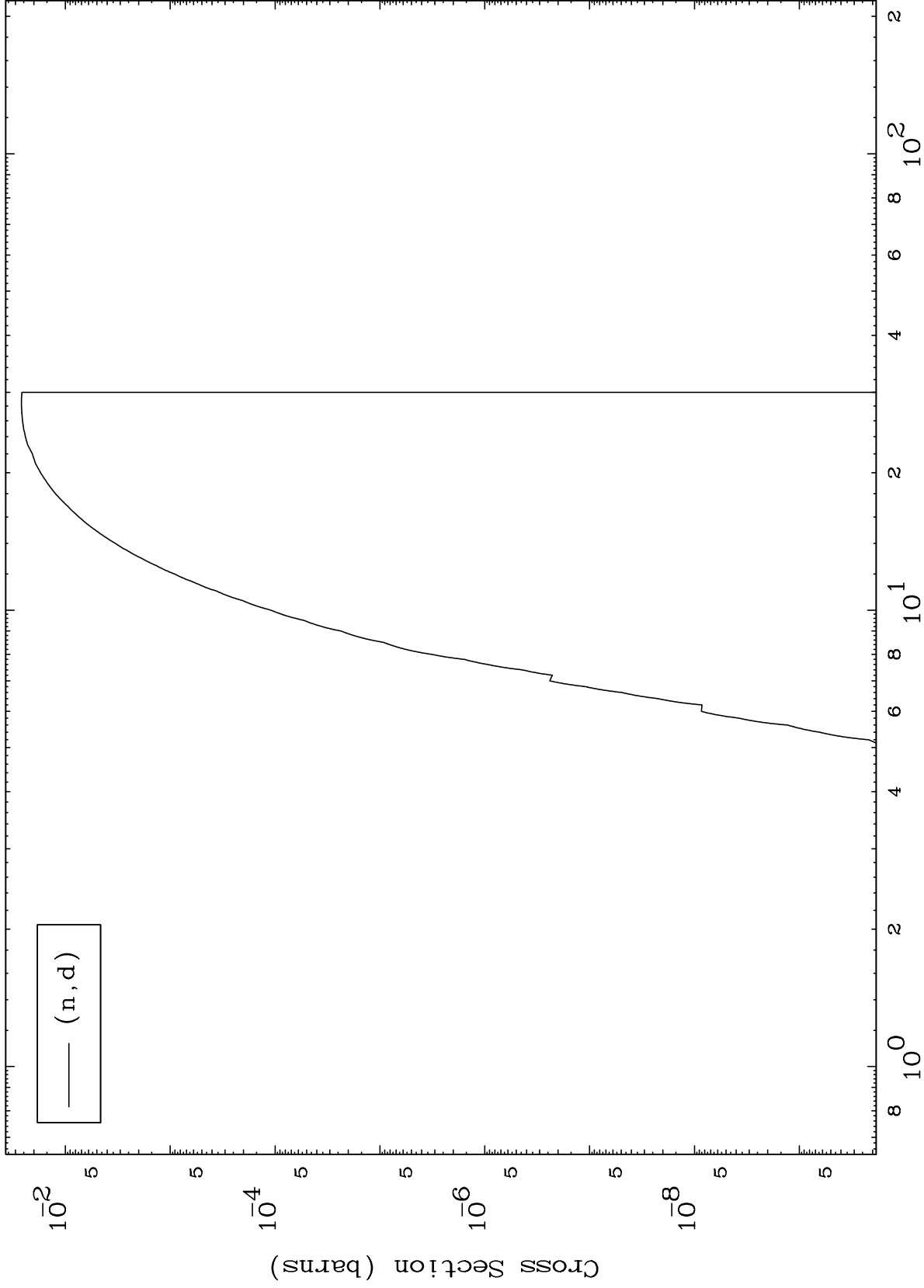
75-Re-177



MAT 7501

(n,d) Levels
293 Kelvin Cross Sections

75-Re-177



14

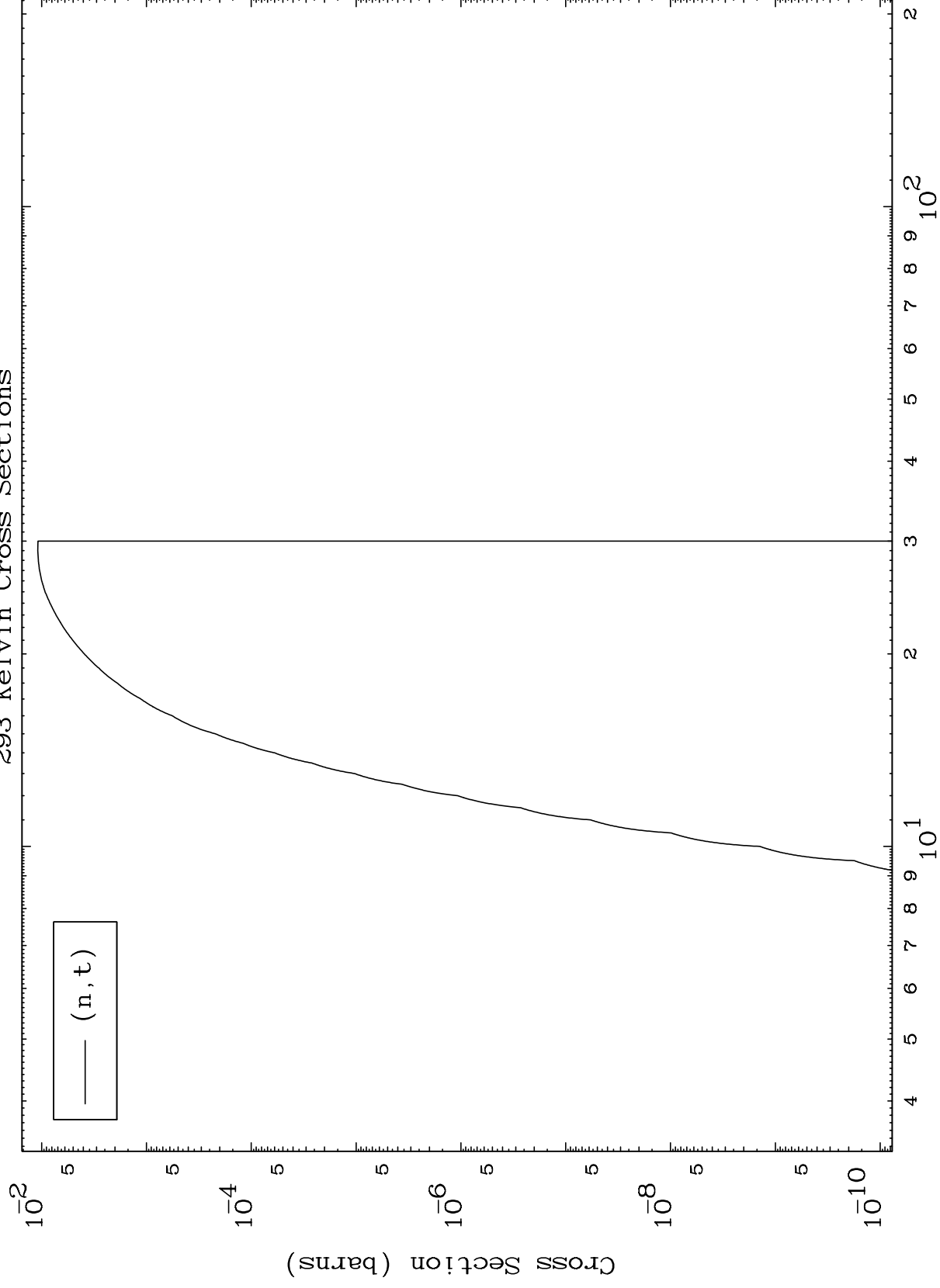
Incident Energy (MeV)

75-Re-177

MAT 7501

(n,t) Levels
293 Kelvin Cross Sections

75-Re-177



15

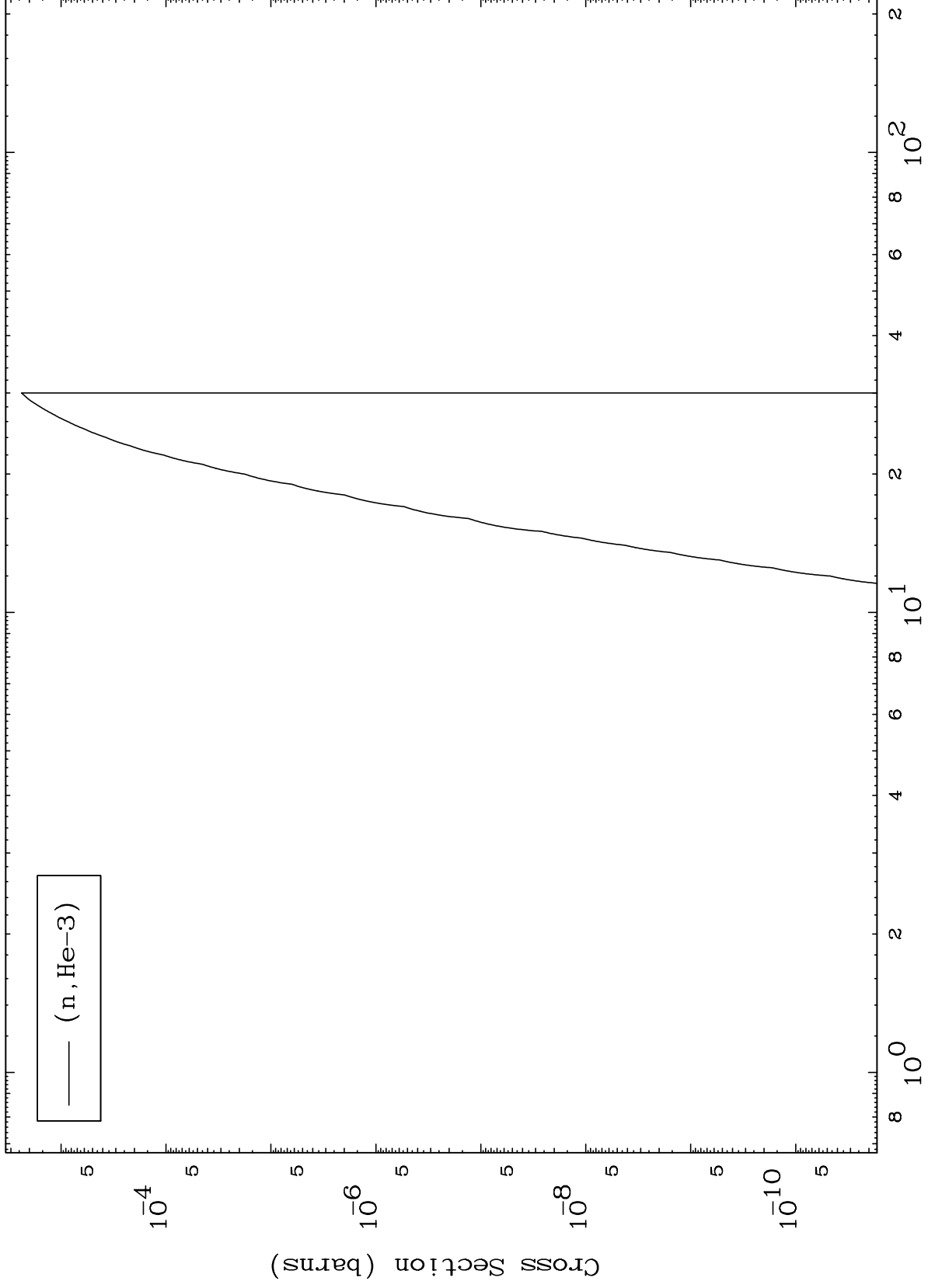
Incident Energy (MeV)

75-Re-177

MAT 7501

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-177



16

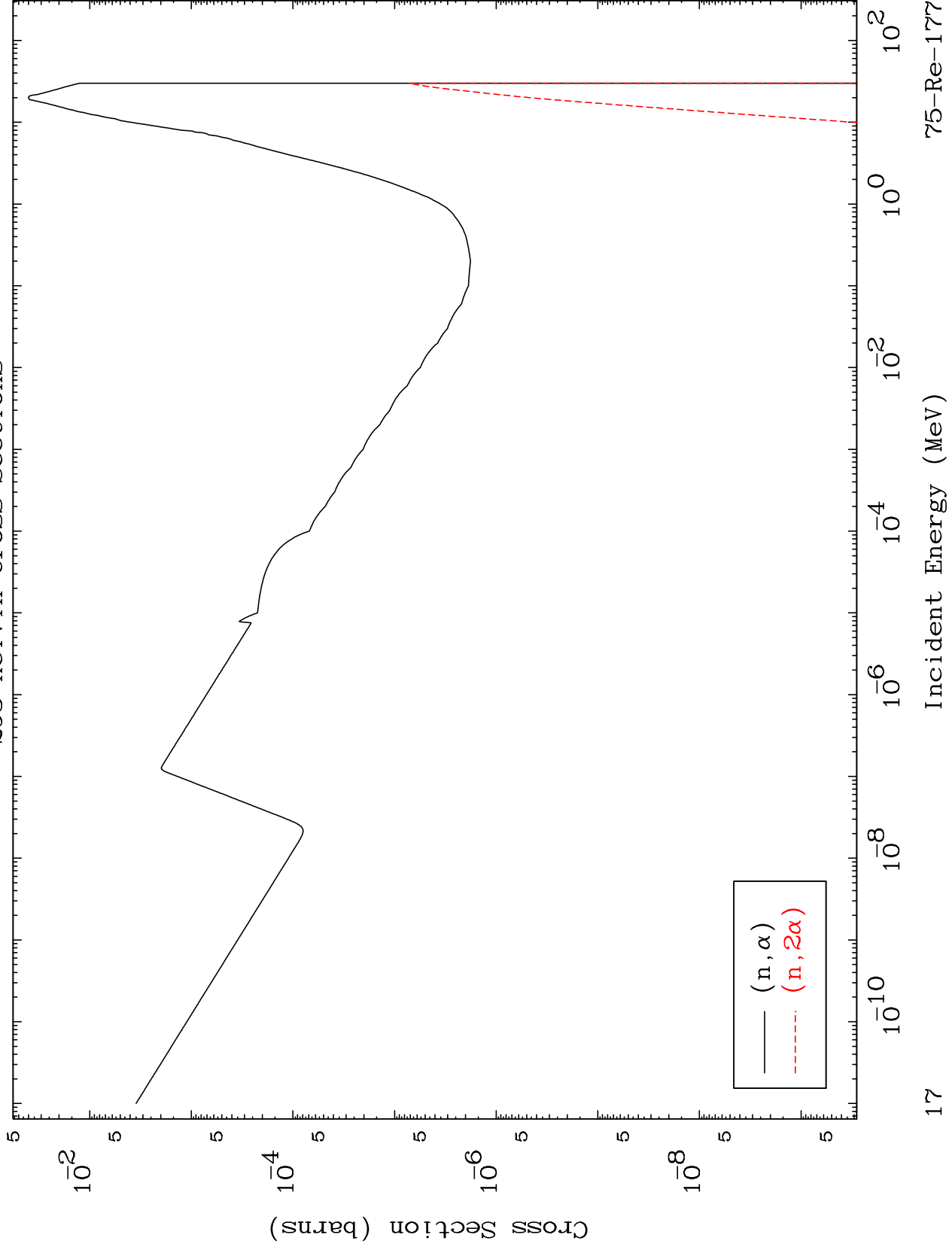
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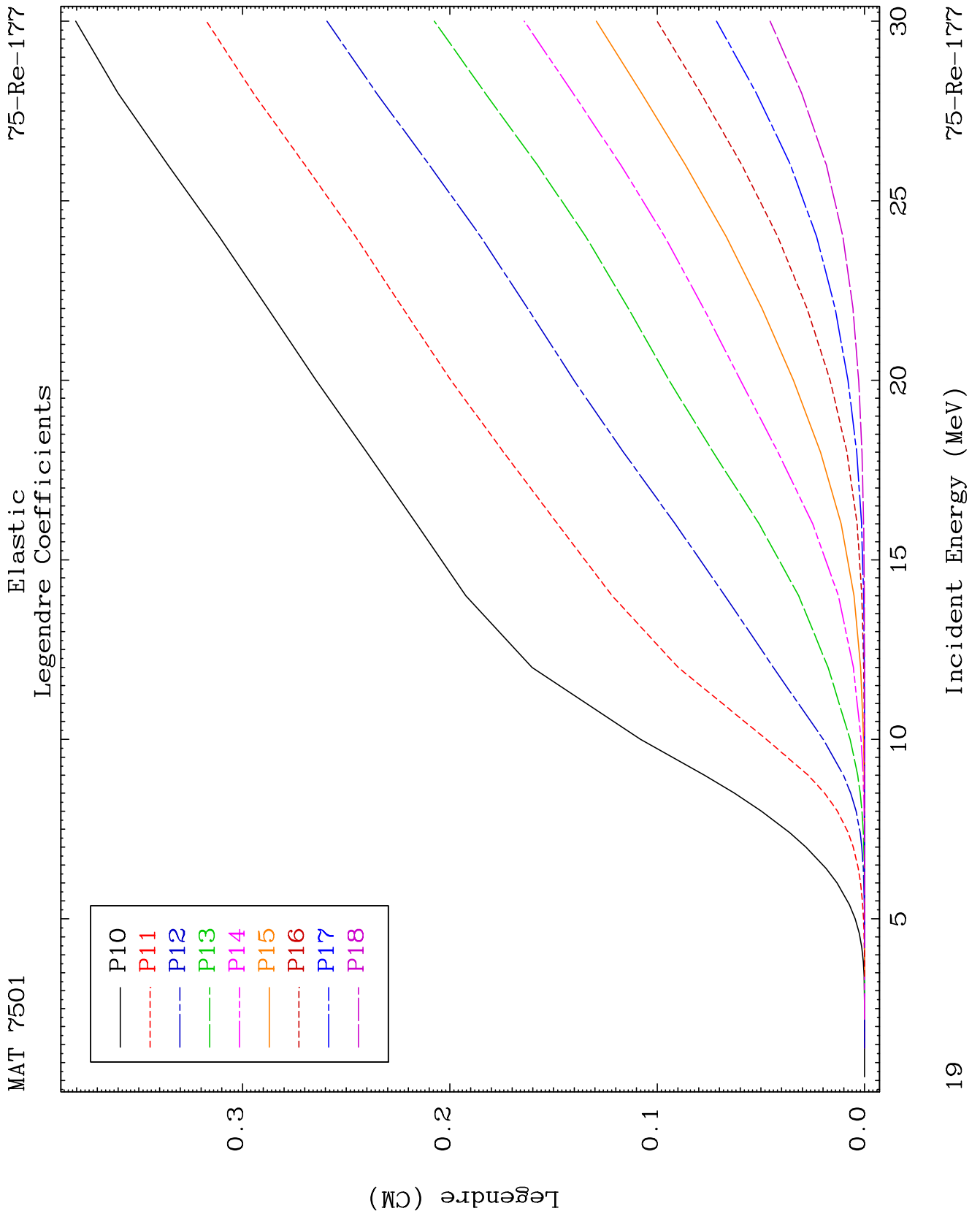
75-Re-177

MAT 7501

(n,α) Levels
293 Kelvin Cross Sections

75-Re-177

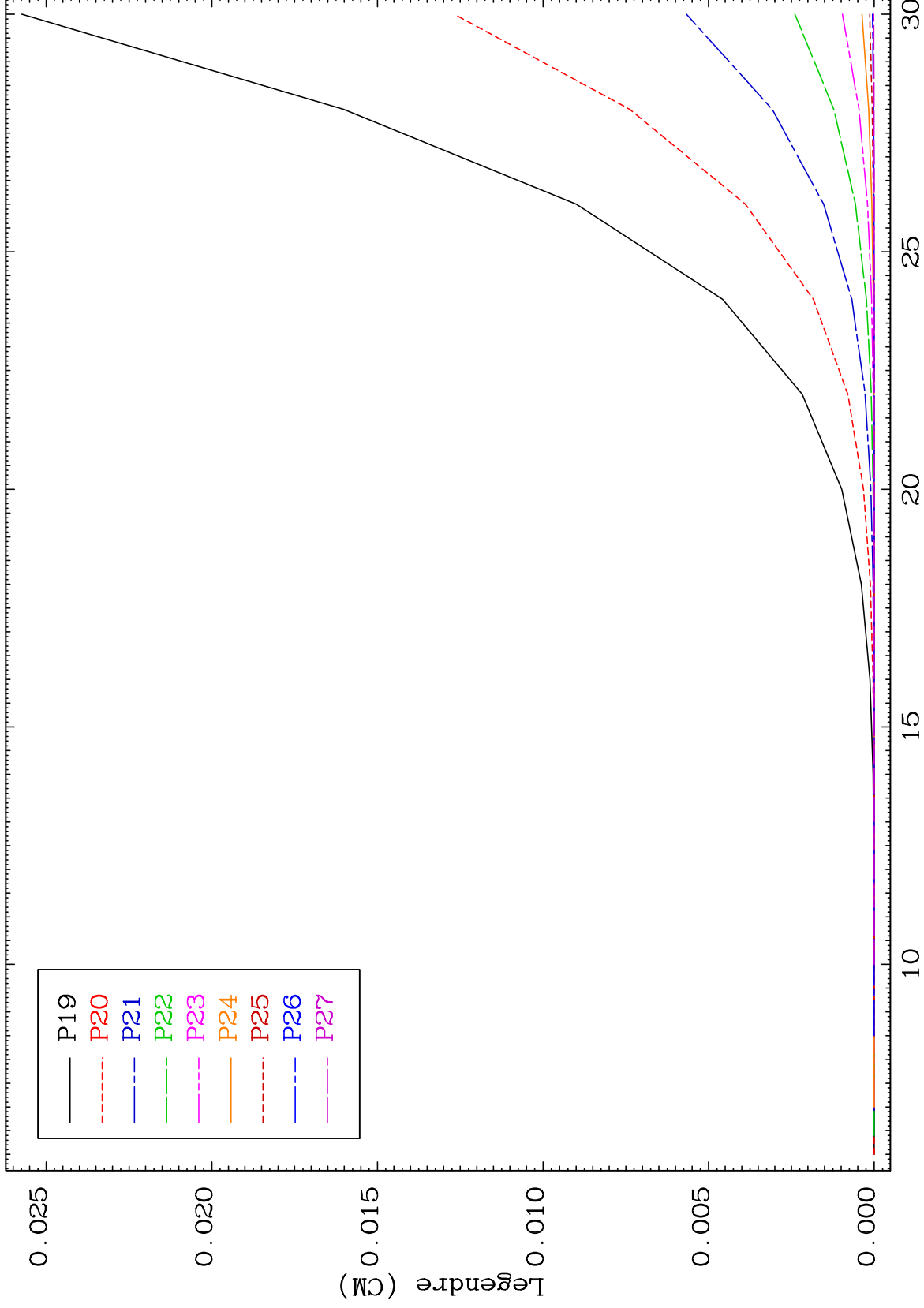




MAT 7501

Elastic Legendre Coefficients

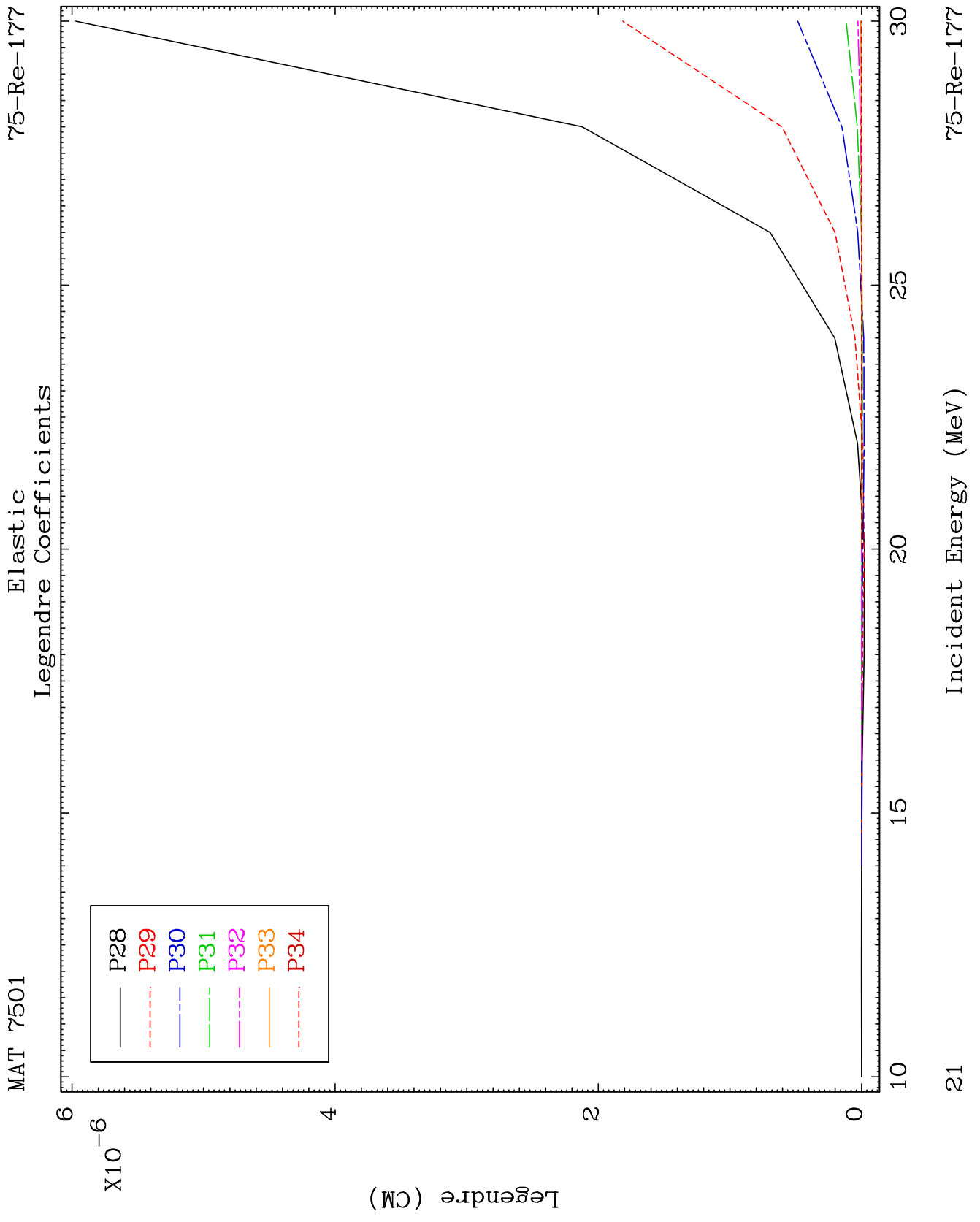
75-Re-177



20

Incident Energy (MeV)

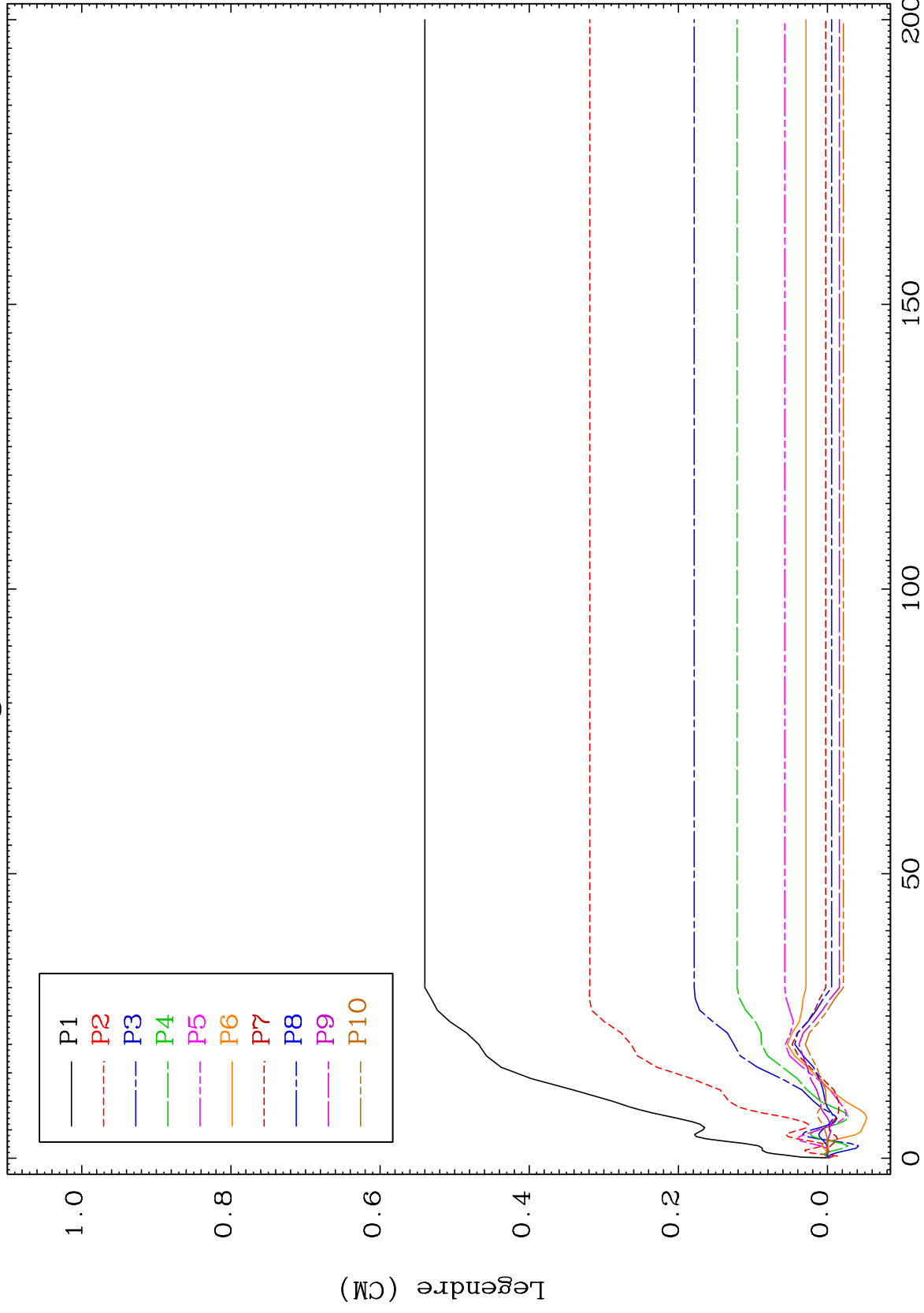
75-Re-177



MAT 7501

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

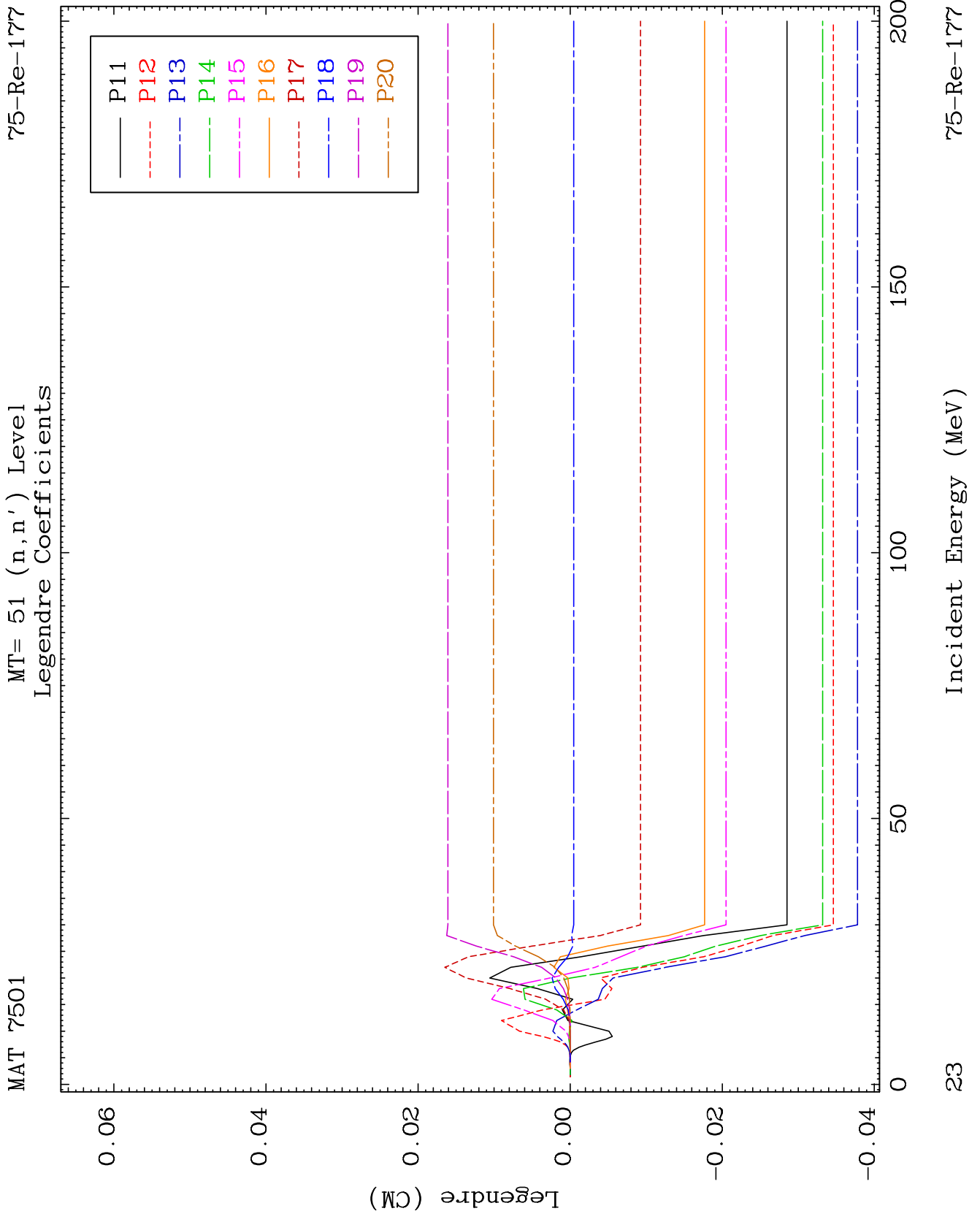
75-Re-177



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Incident Energy (MeV)

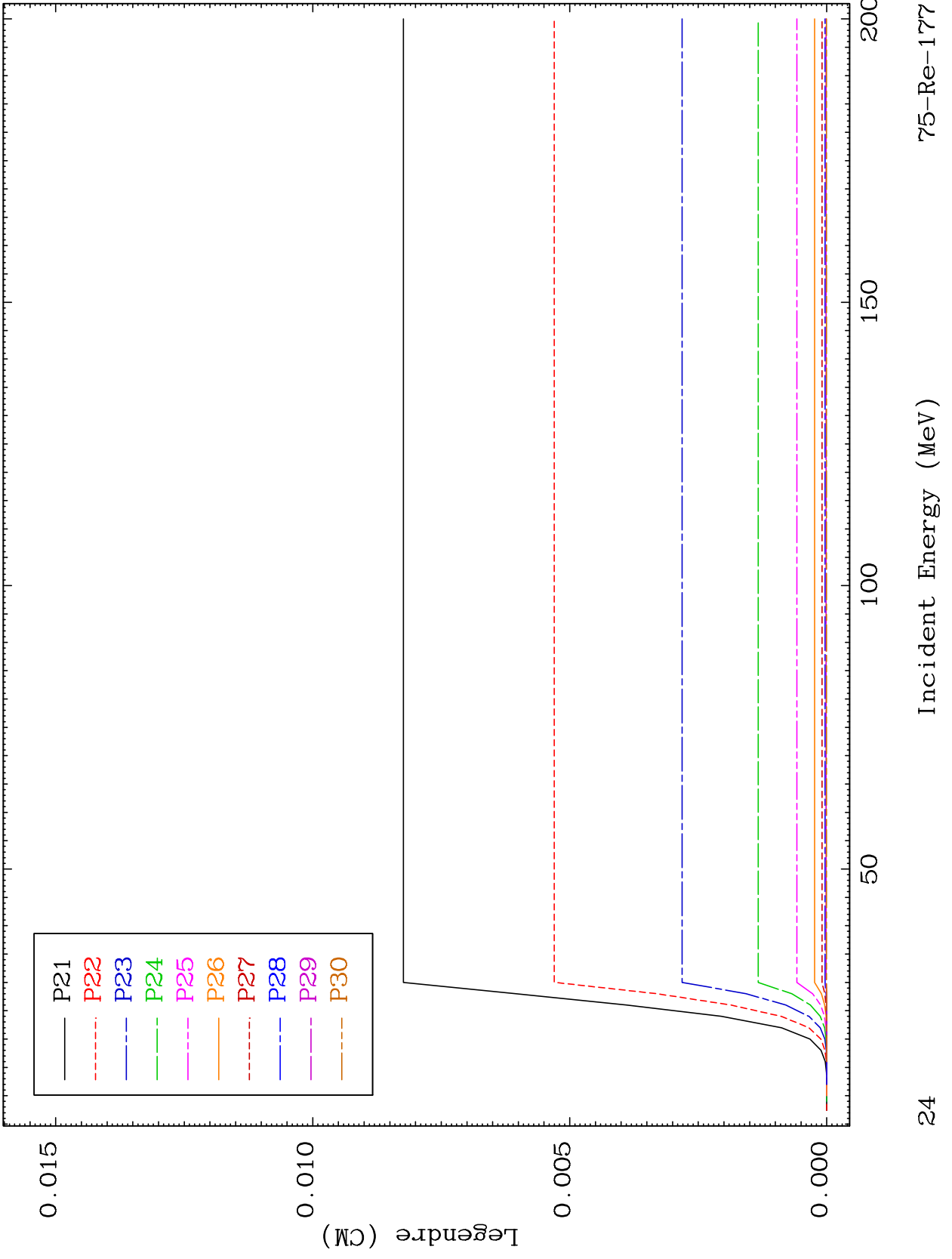
75-Re-177



MAT 7501

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

75-Re-177



24

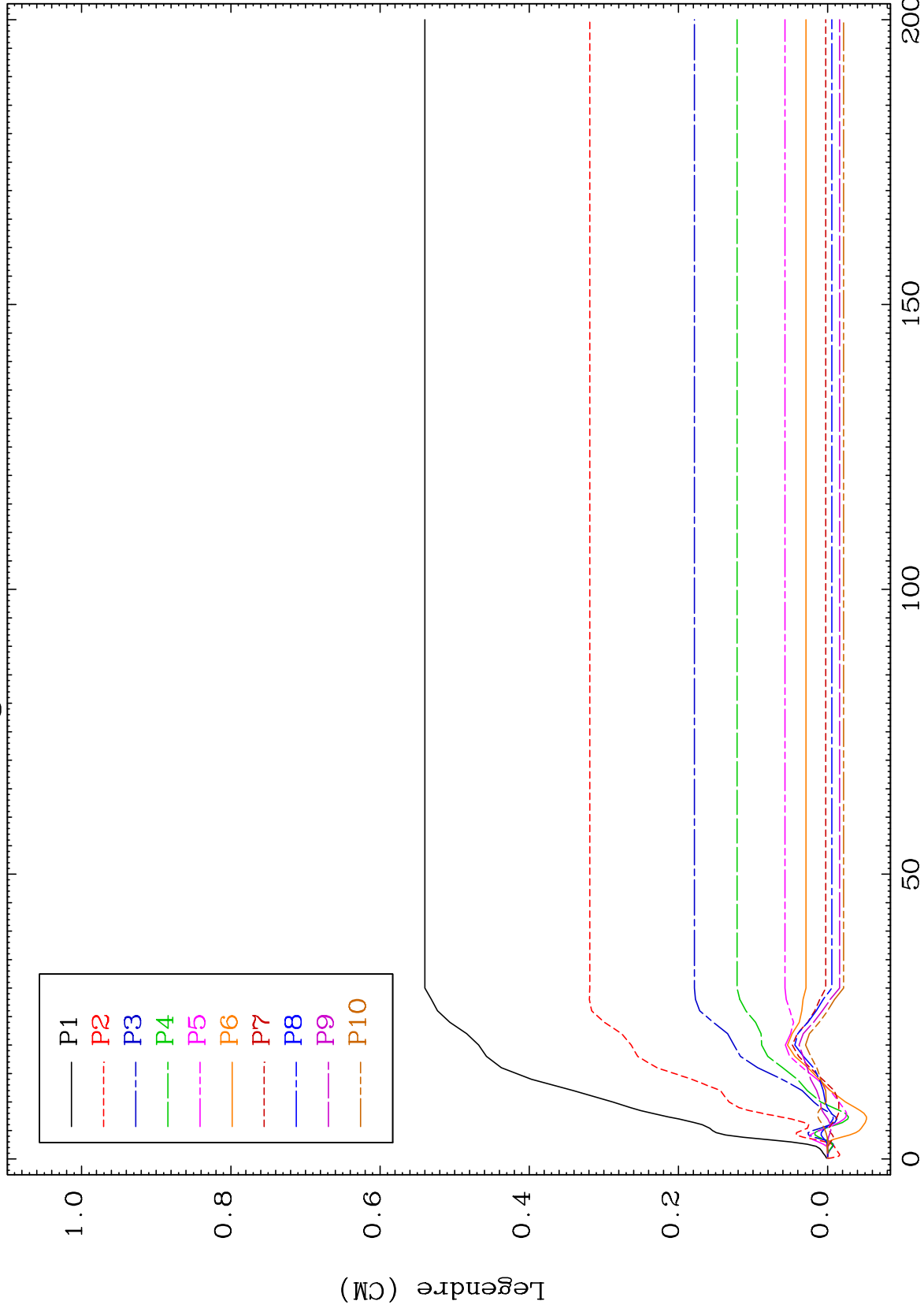
Incident Energy (MeV)

75-Re-177

MAT 7501

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

75-Re-177



Incident Energy (MeV)

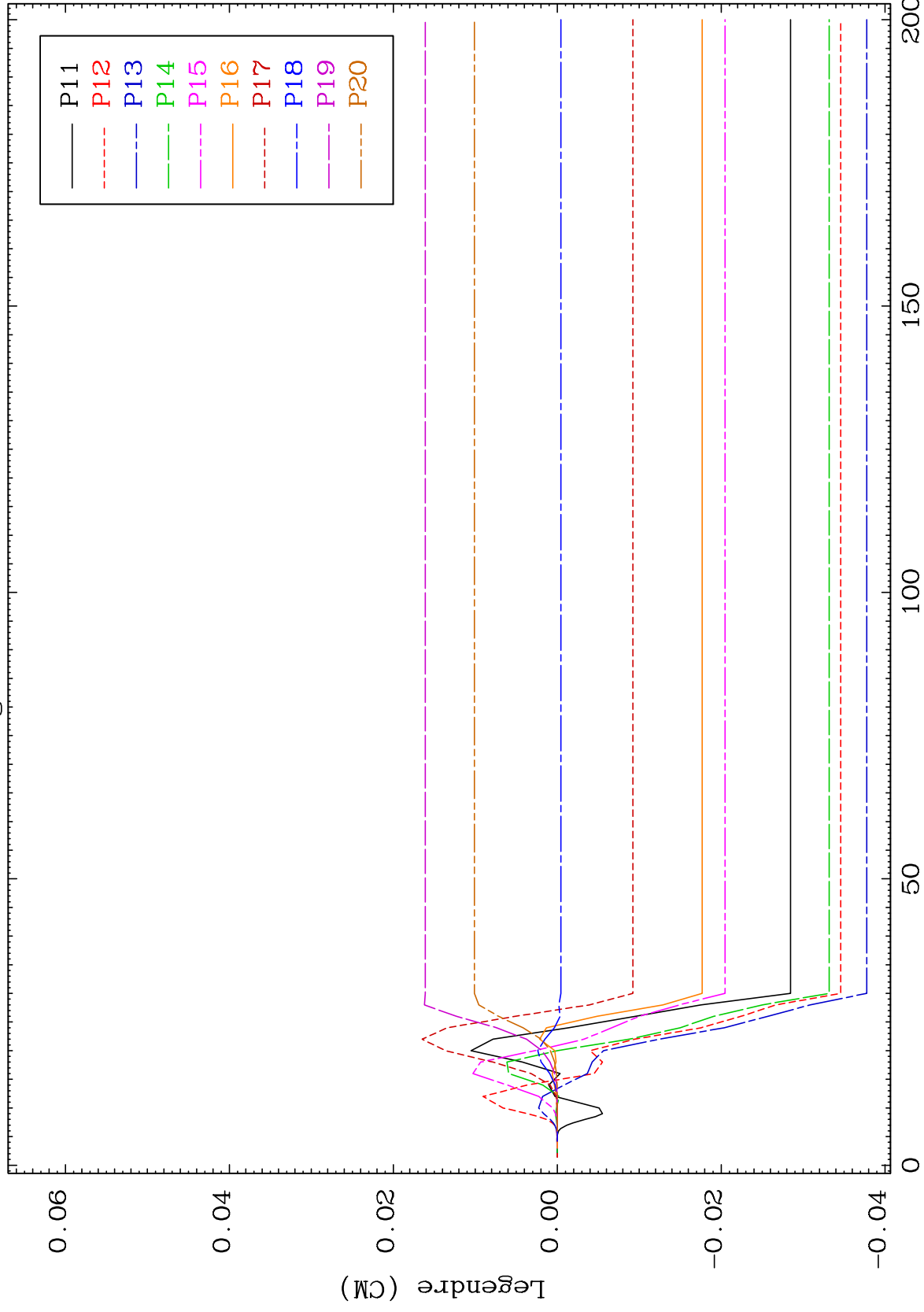
75-Re-177

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MAT 7501

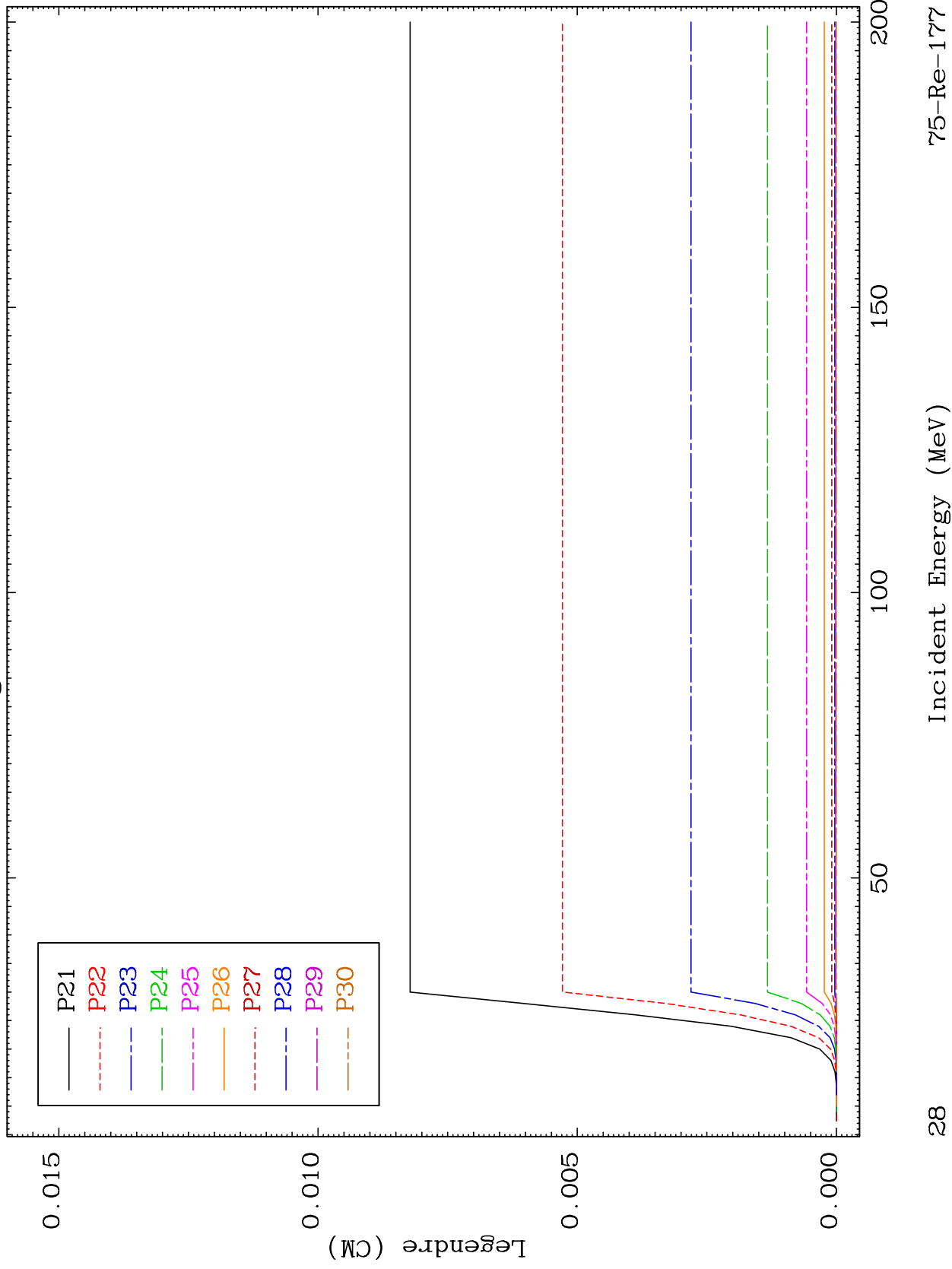
MT= 52 (n,n') Level
Legendre Coefficients

75-Re-177



27

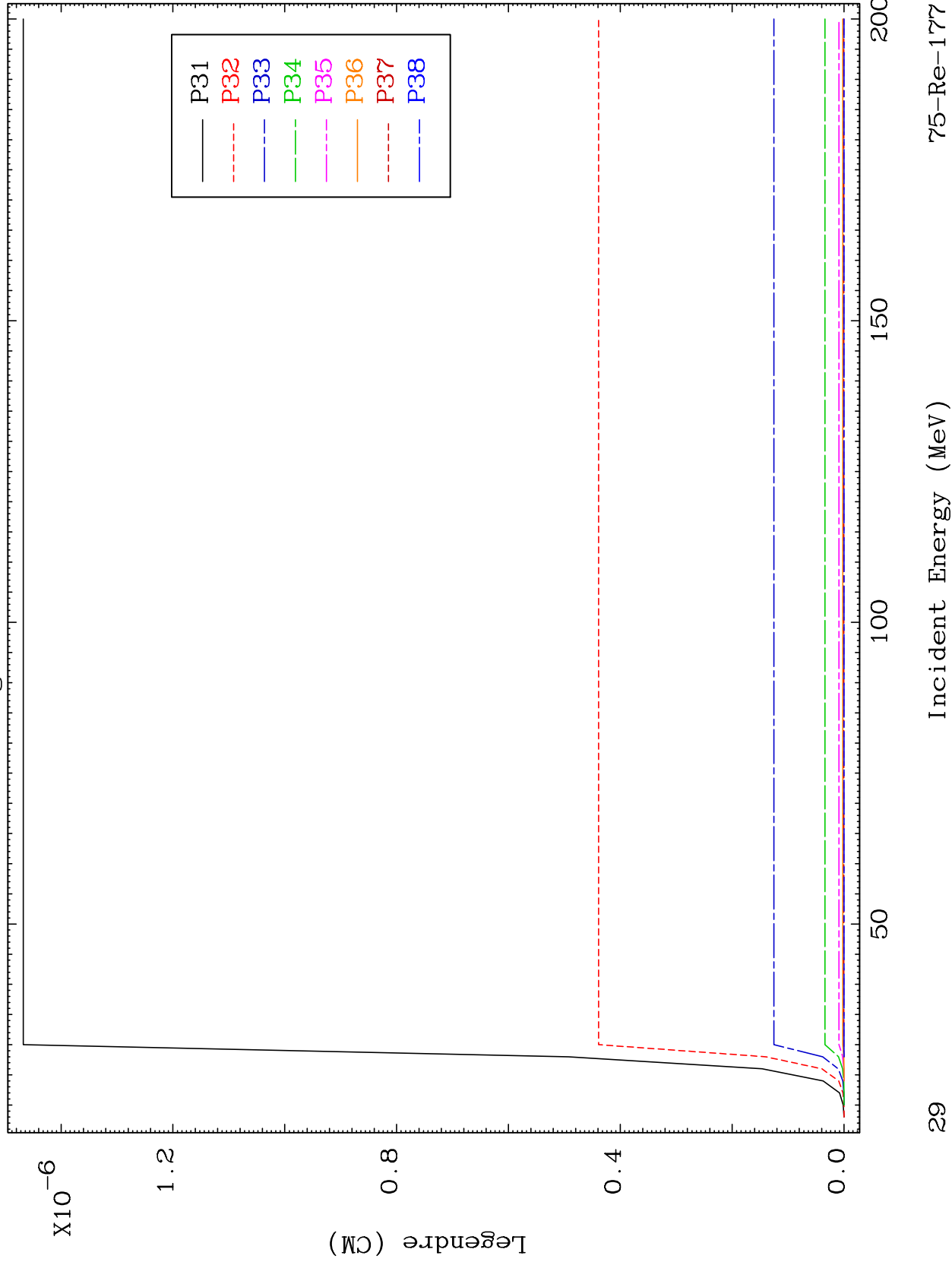
75-Re-177



MAT 7501

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

75-Re-177



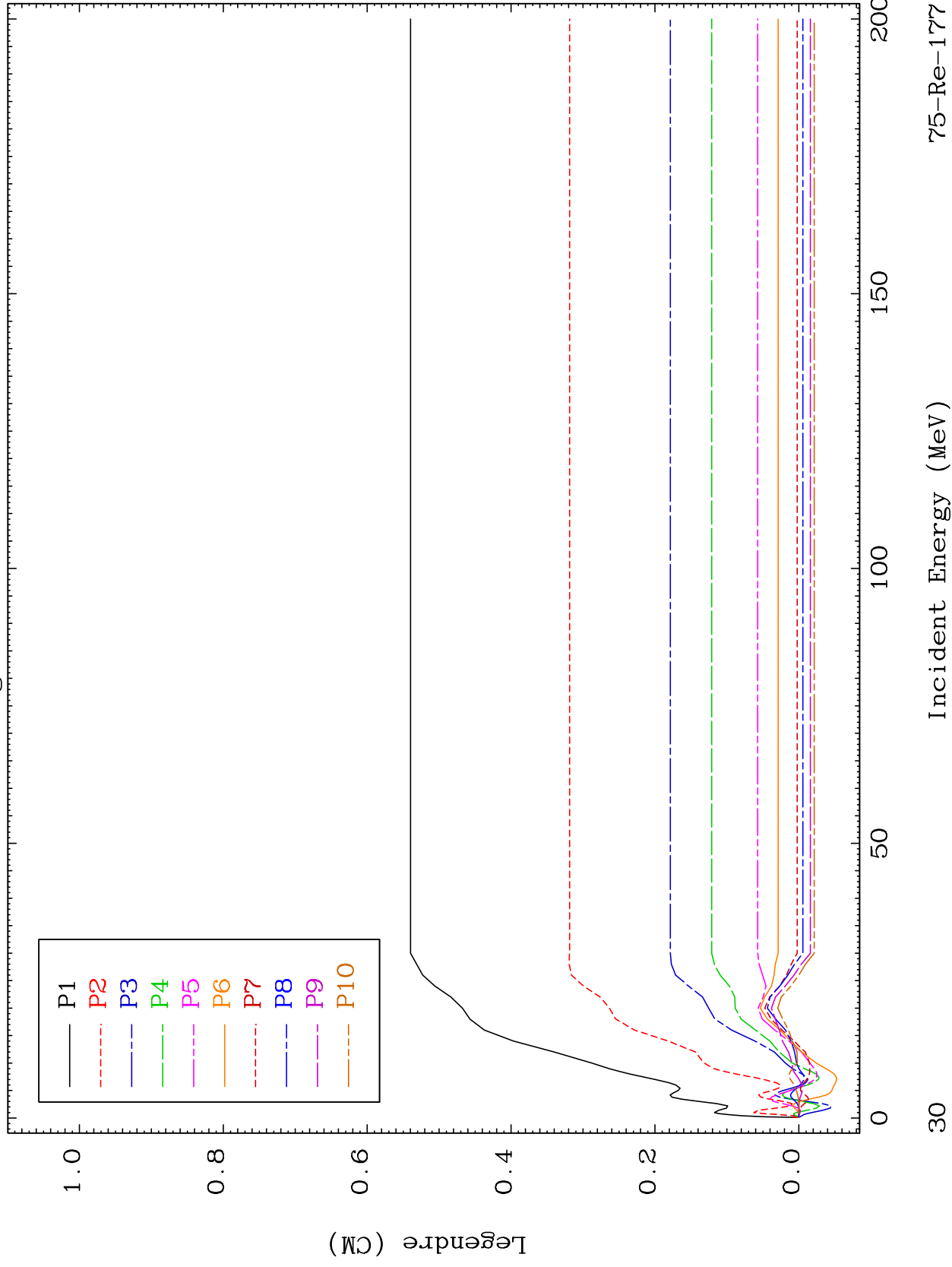
29

75-Re-177

MAT 7501

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

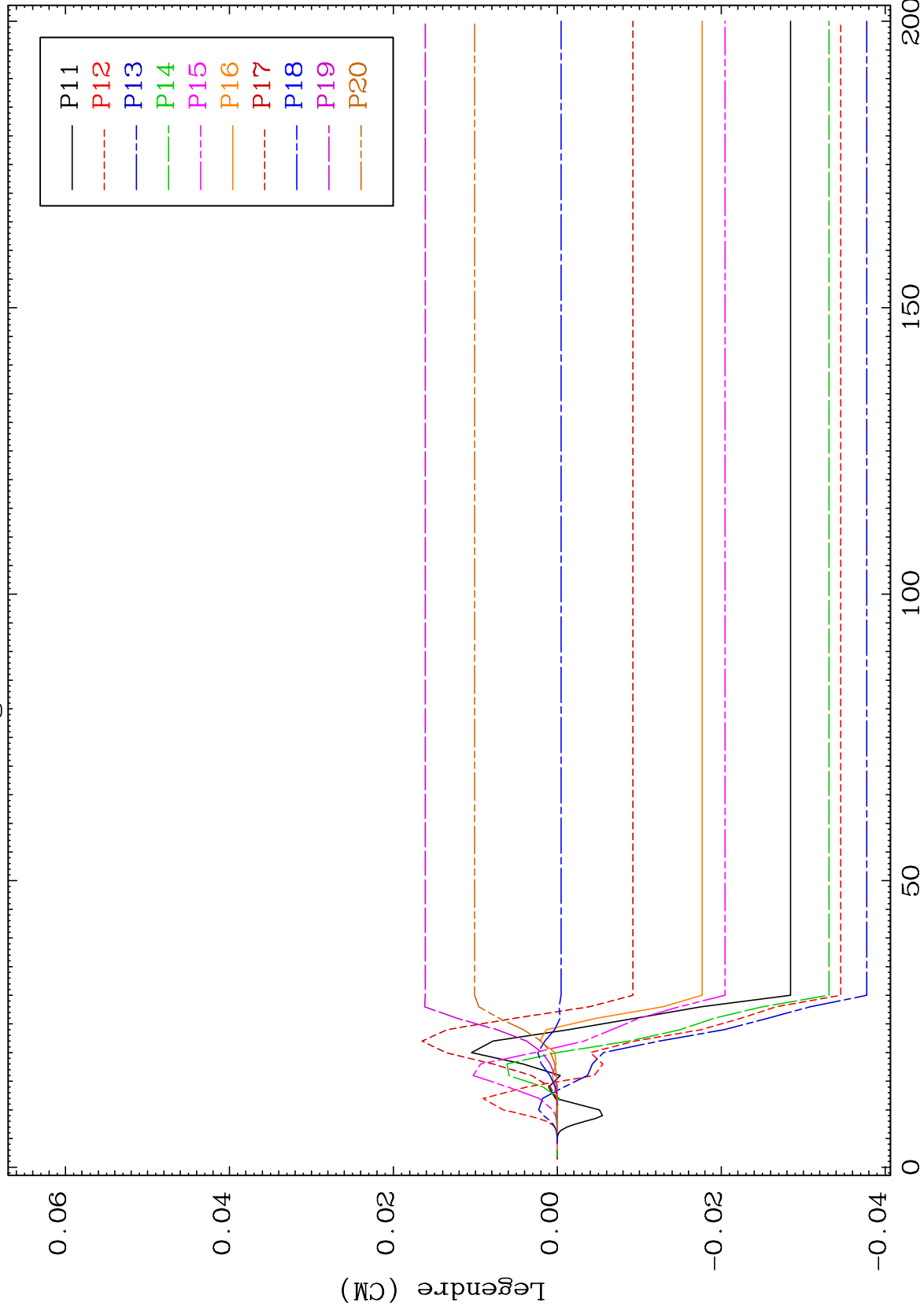
75-Re-177



MAT 7501

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

75-Re-177



31

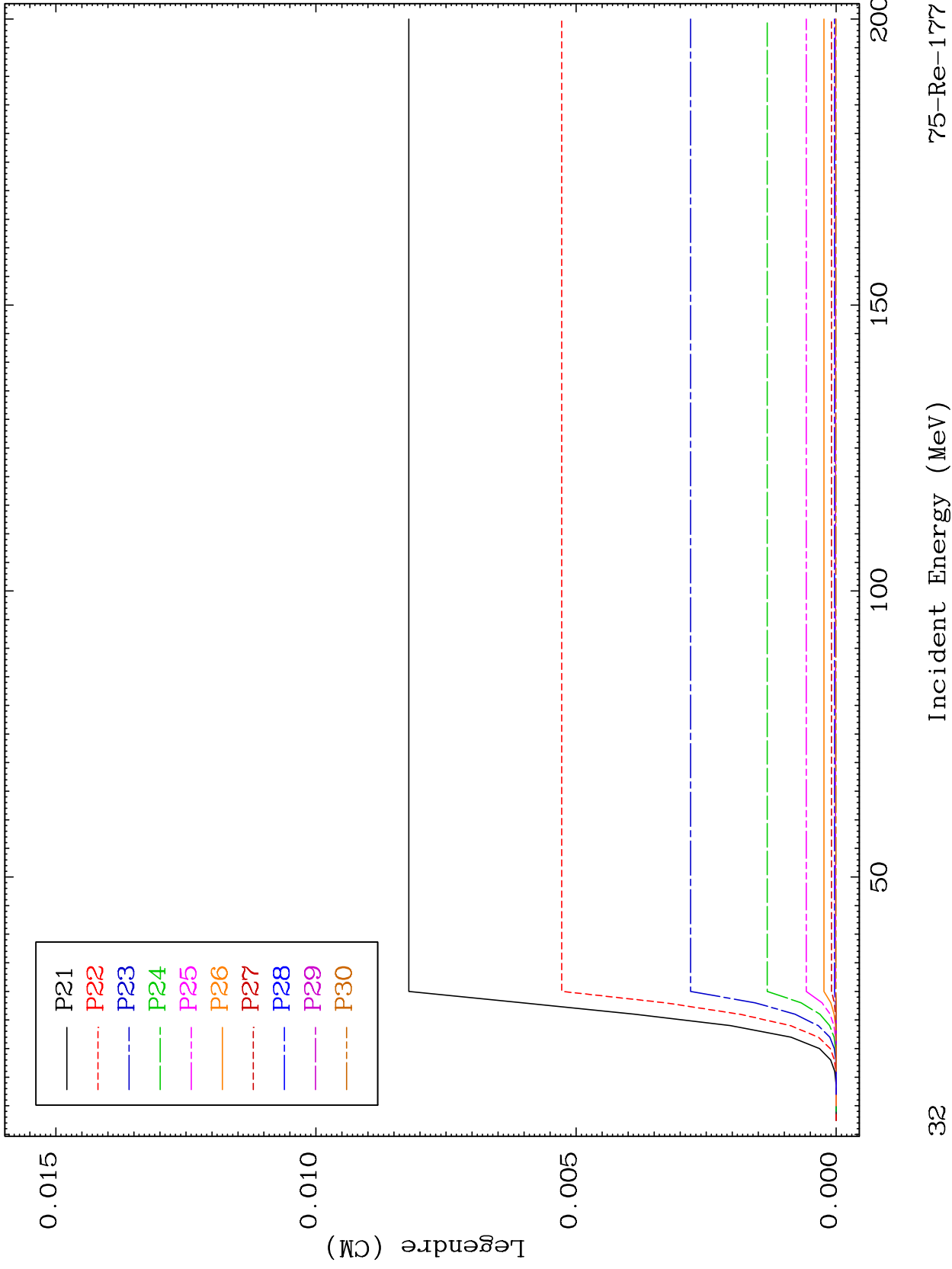
Incident Energy (MeV)

75-Re-177

MAT 7501

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

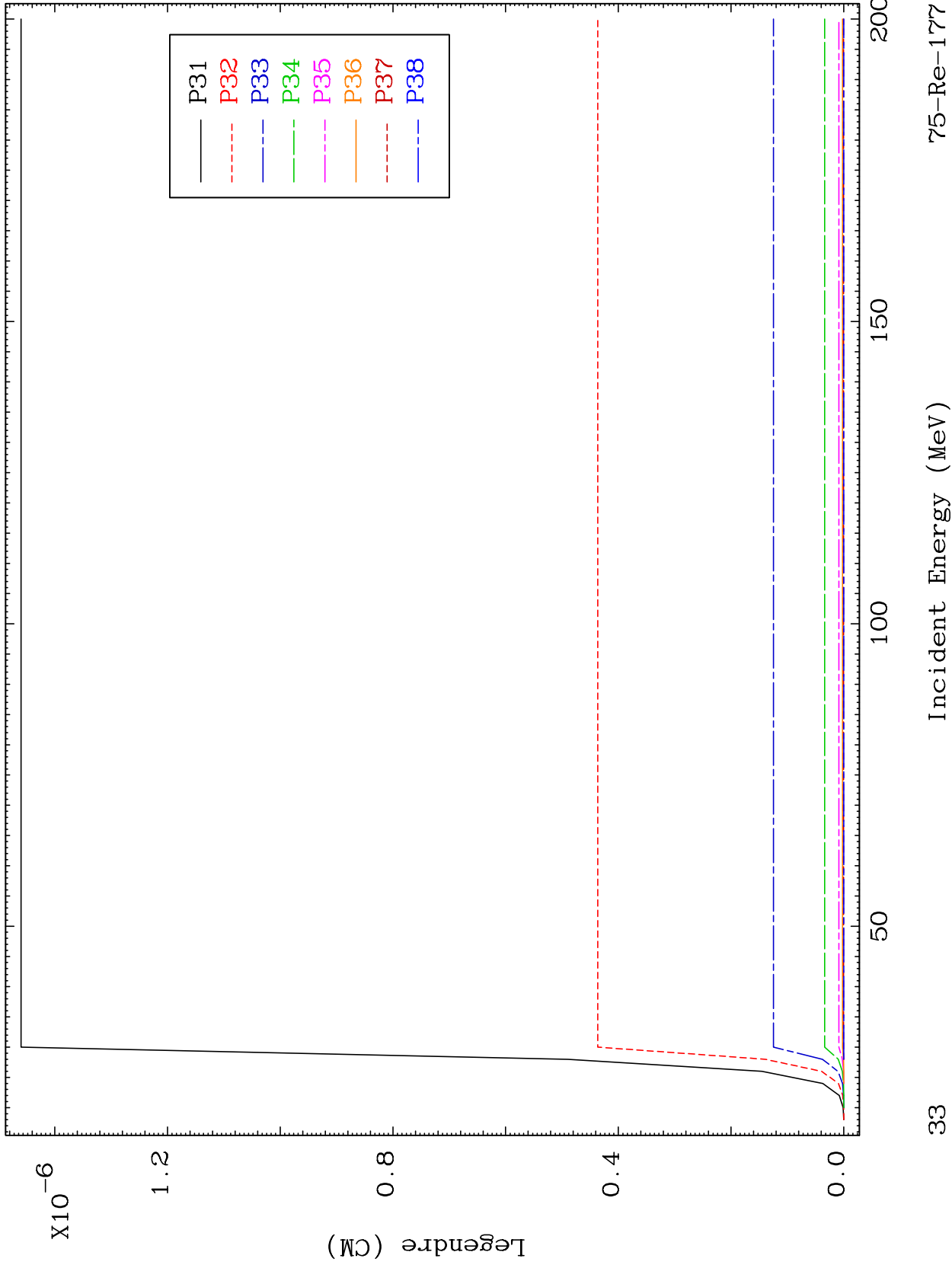
75-Re-177



MAT 7501

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

75-Re-177



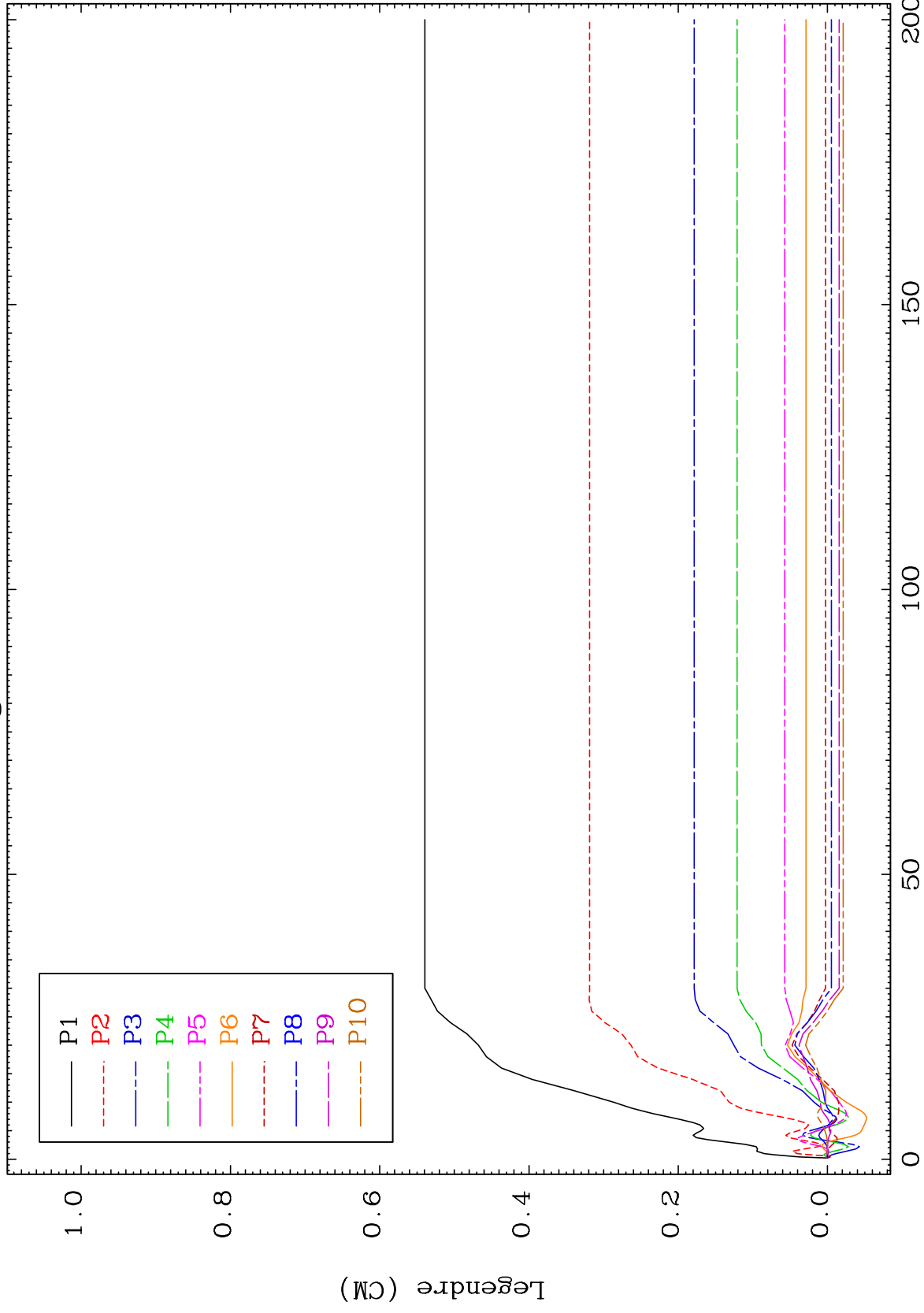
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75-Re-177

MAT 7501

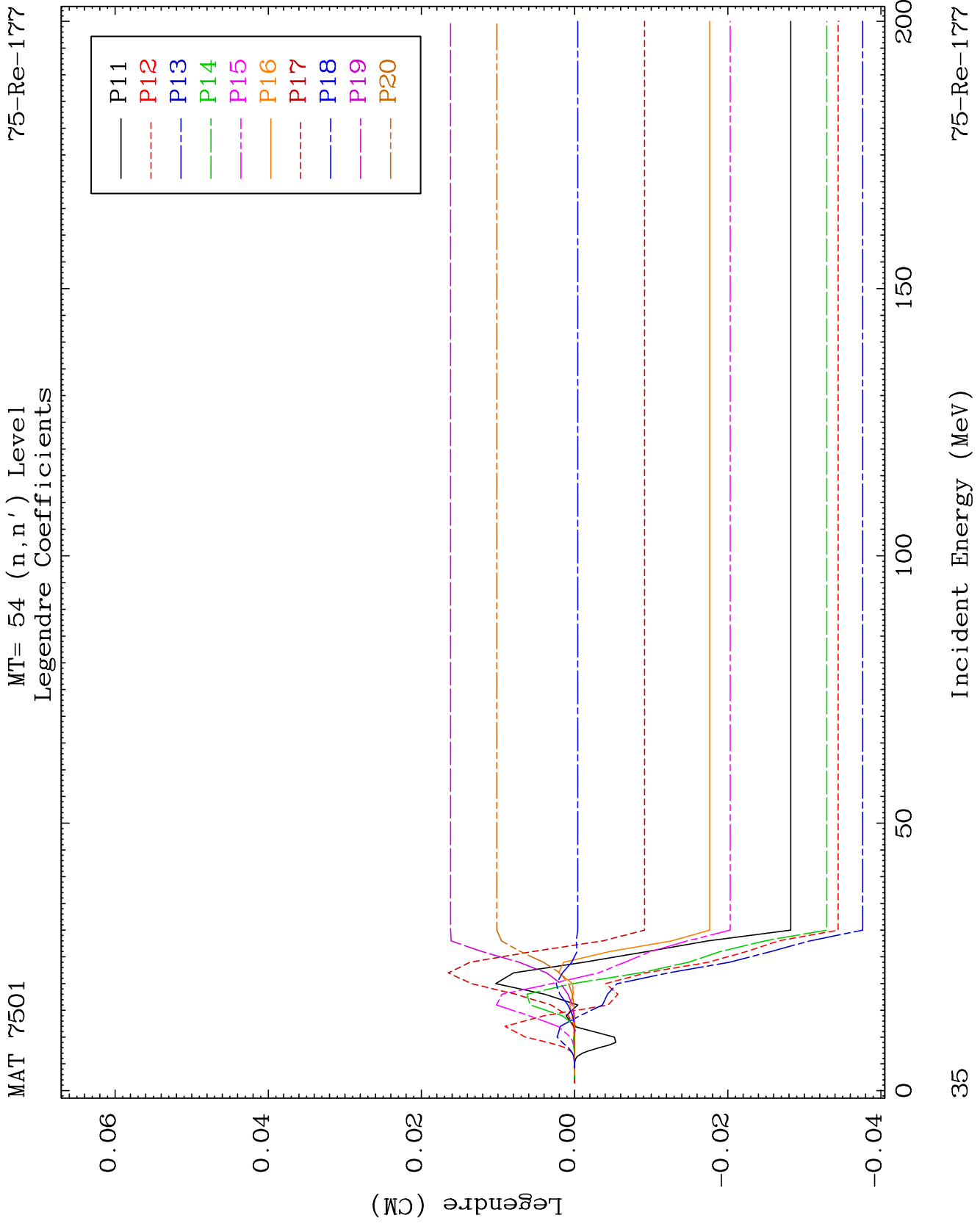
MT= 54 (n,n') Level
Legendre Coefficients

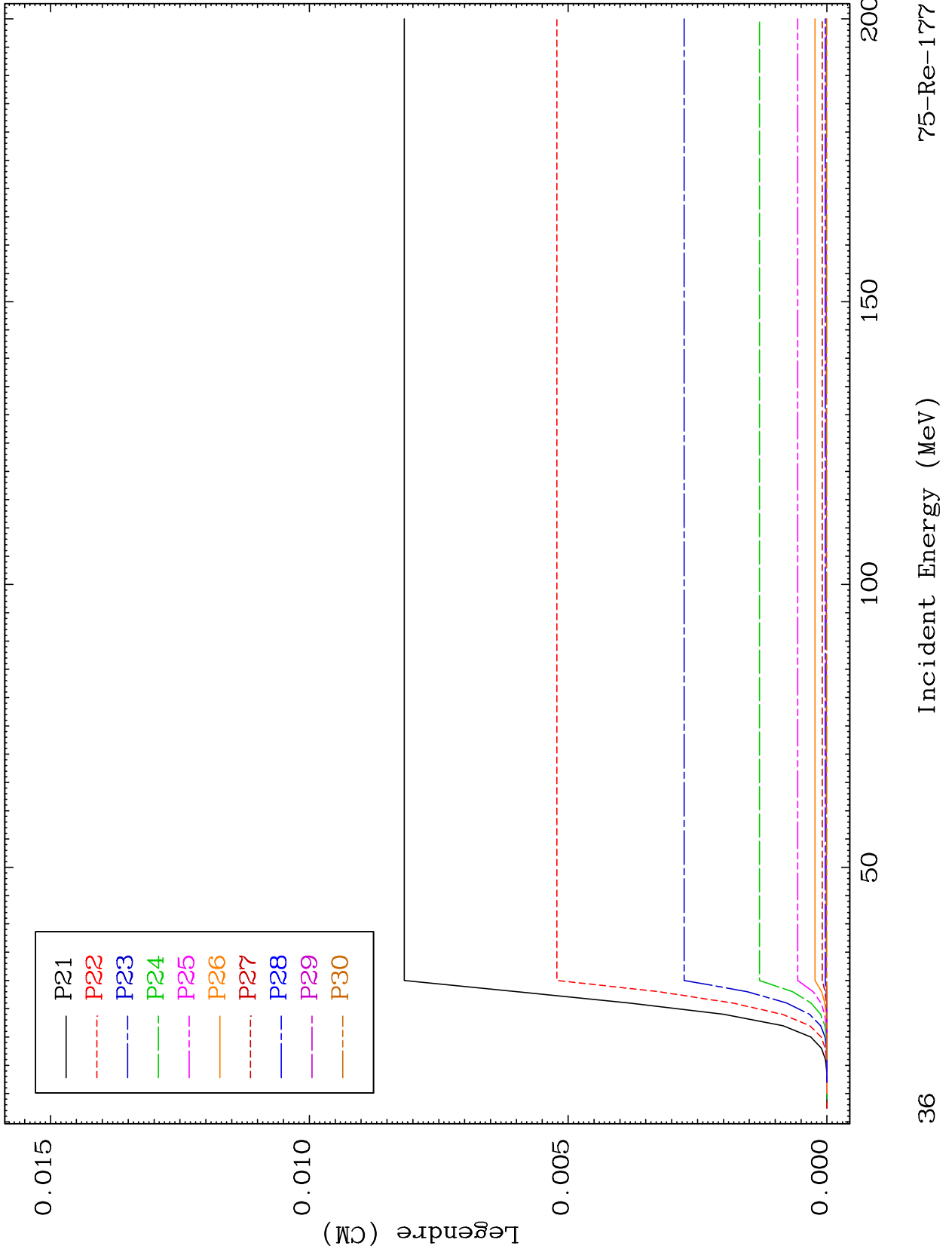
75-Re-177



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75-Re-177

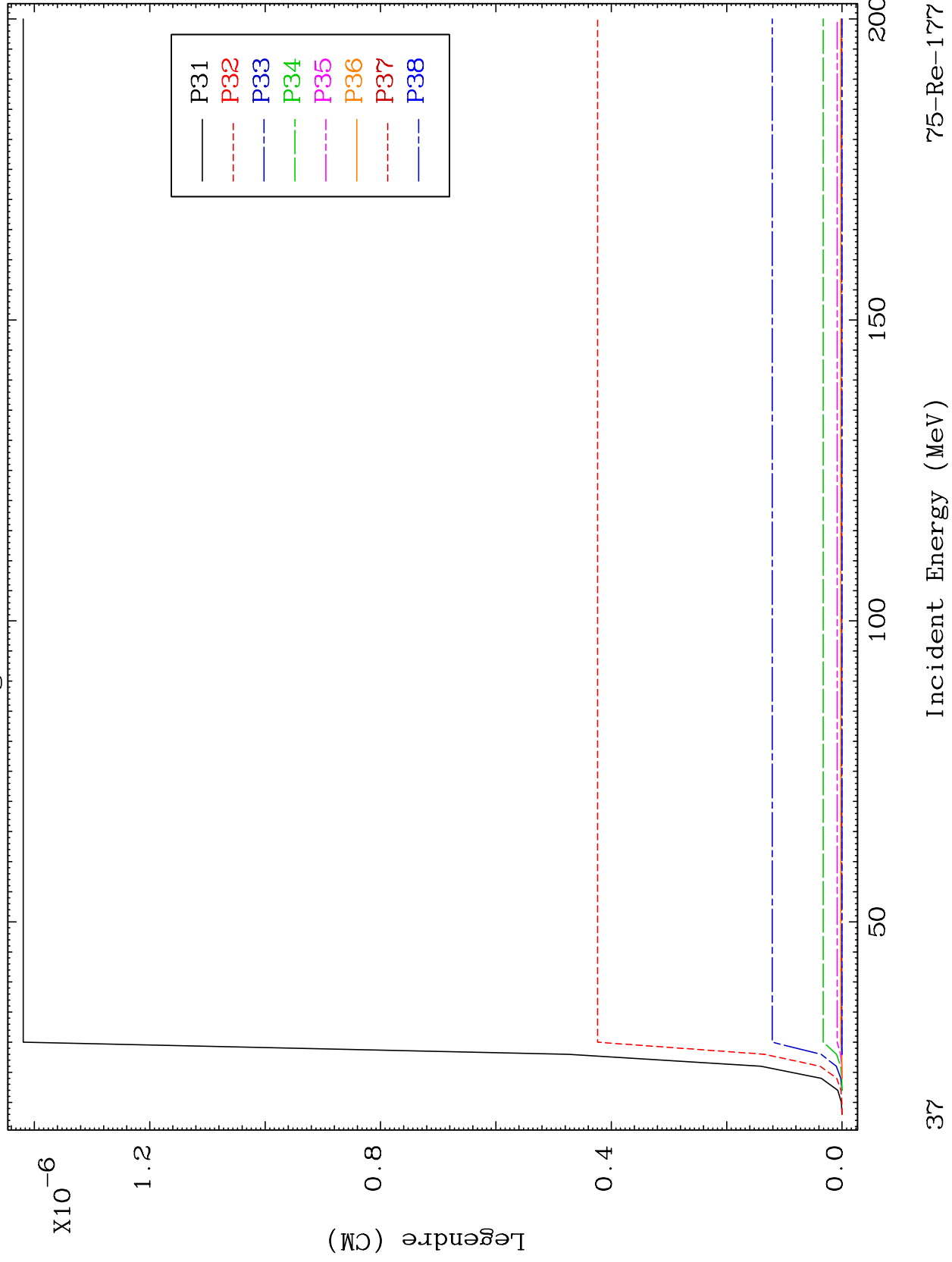


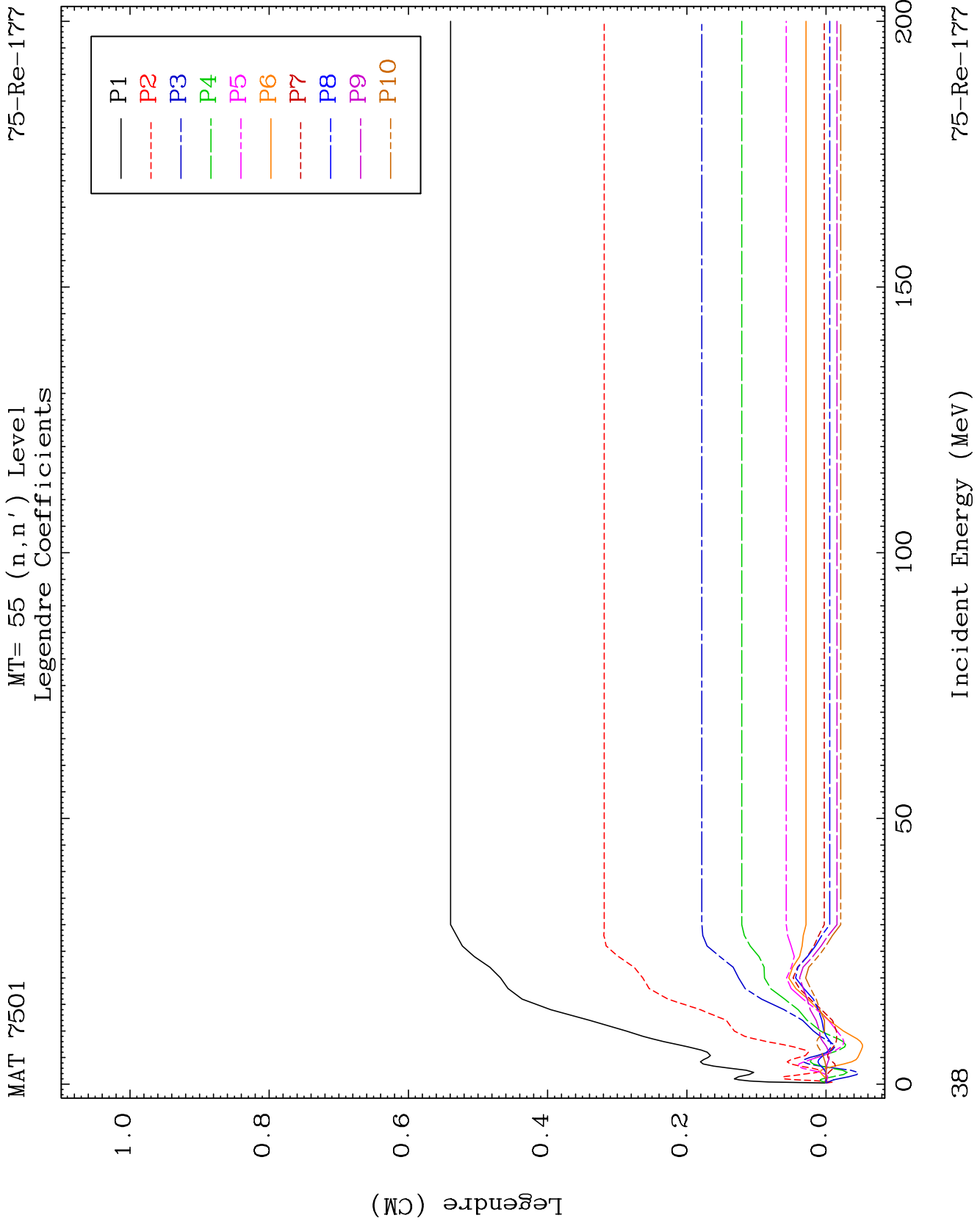


MAT 7501

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

75-Re-177

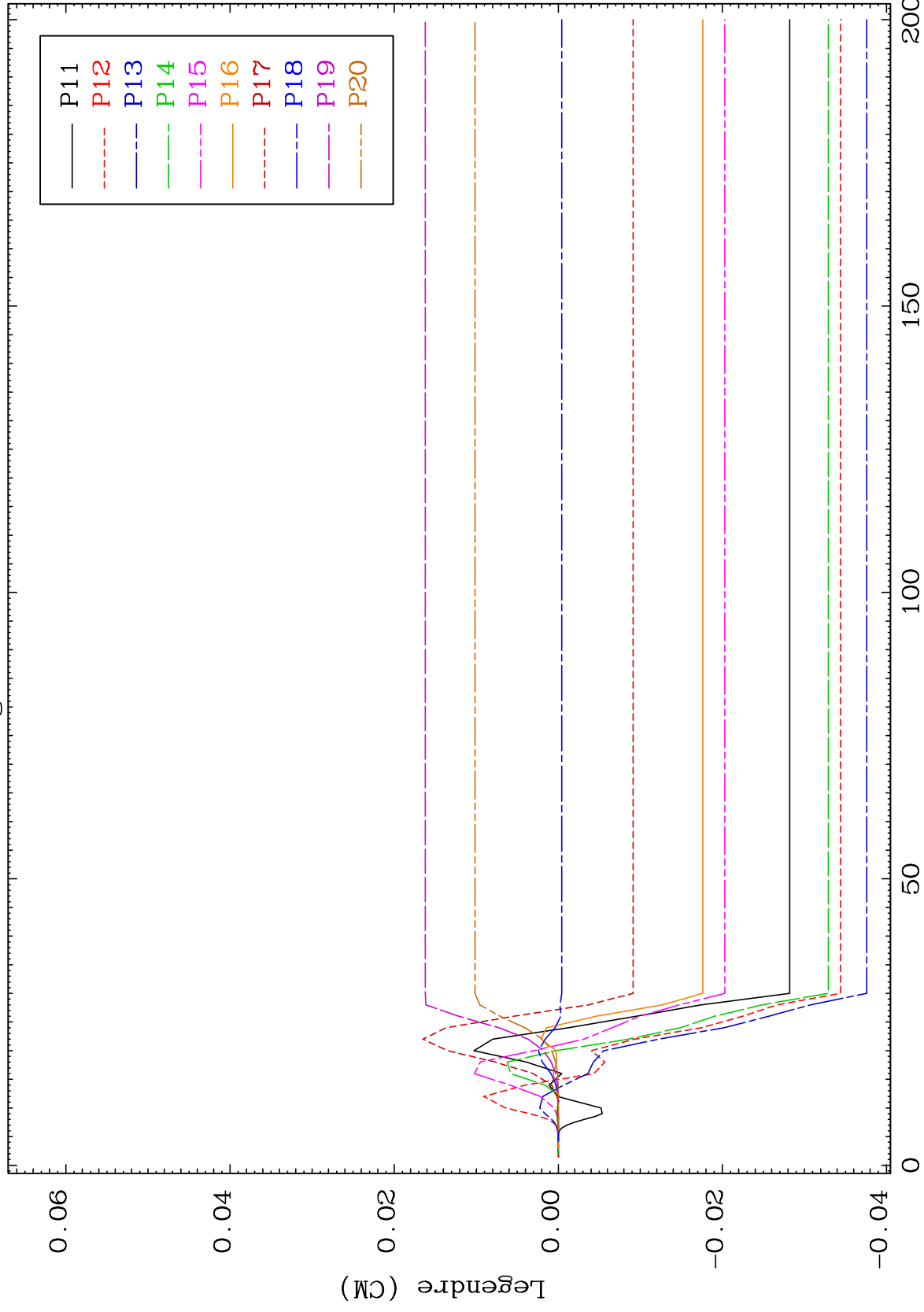




MAT 7501

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

75-Re-177



39

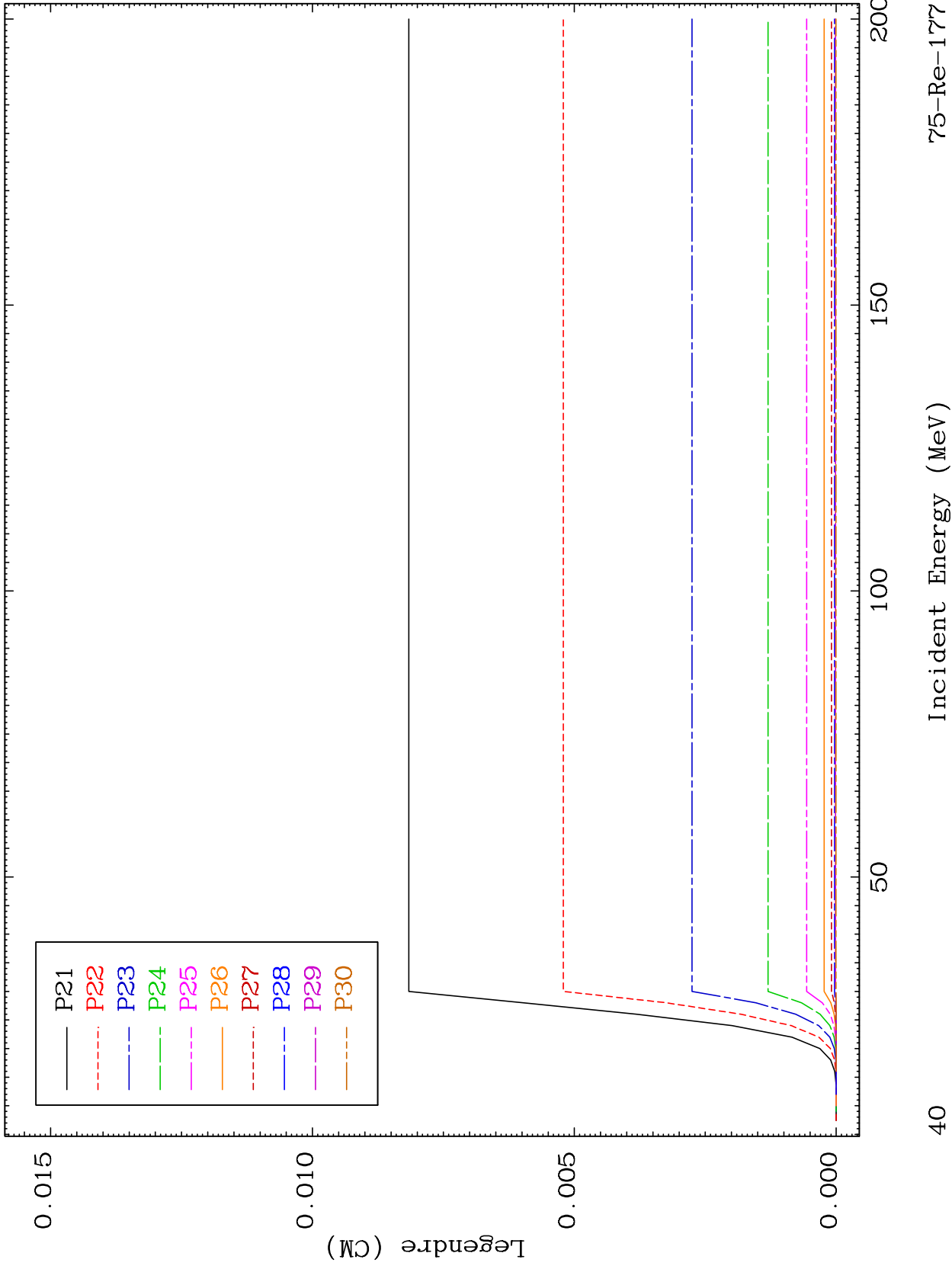
Incident Energy (MeV)

75-Re-177

MAT 7501

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

75-Re-177



40

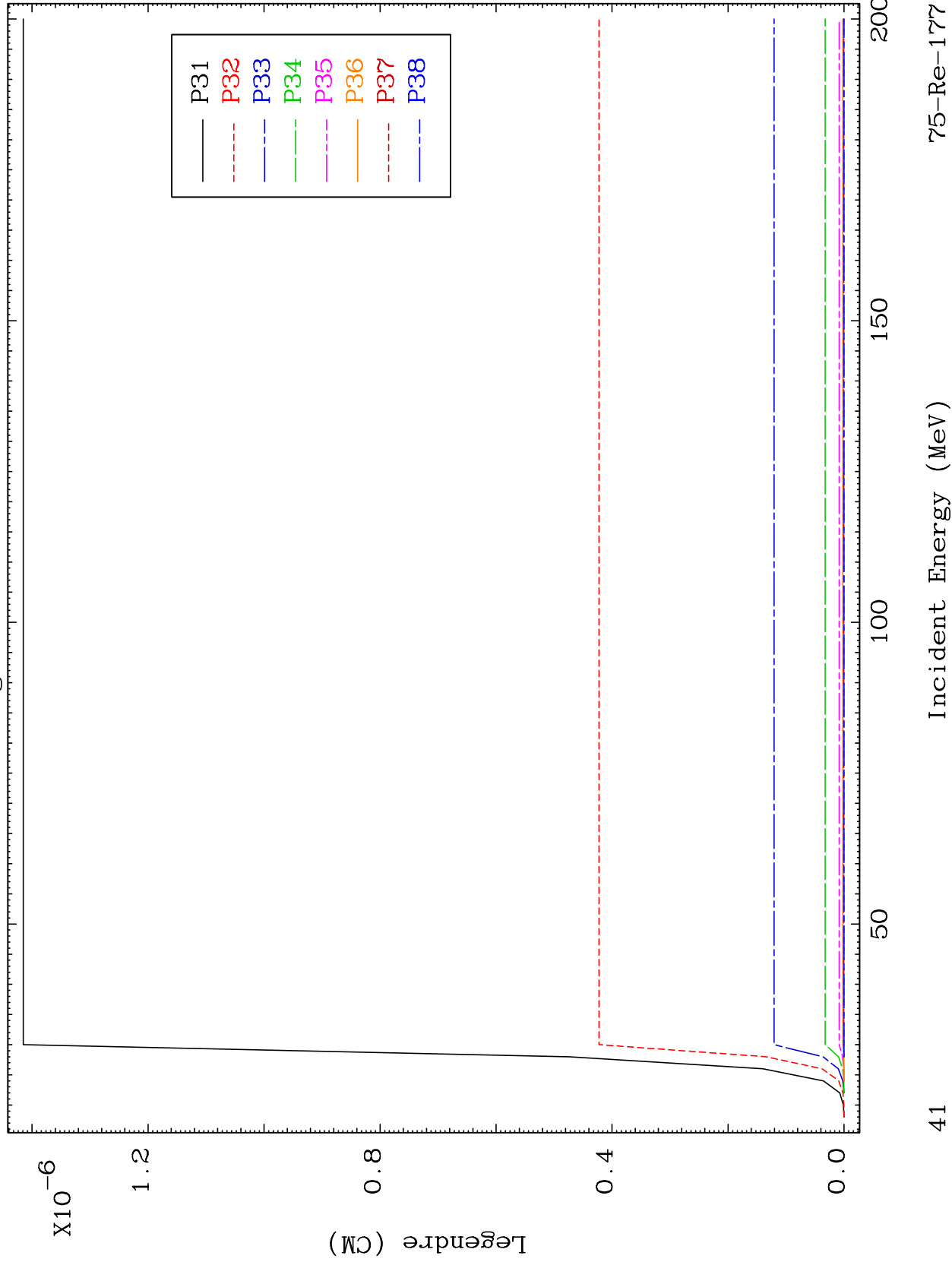
Incident Energy (MeV)

75-Re-177

MAT 7501

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

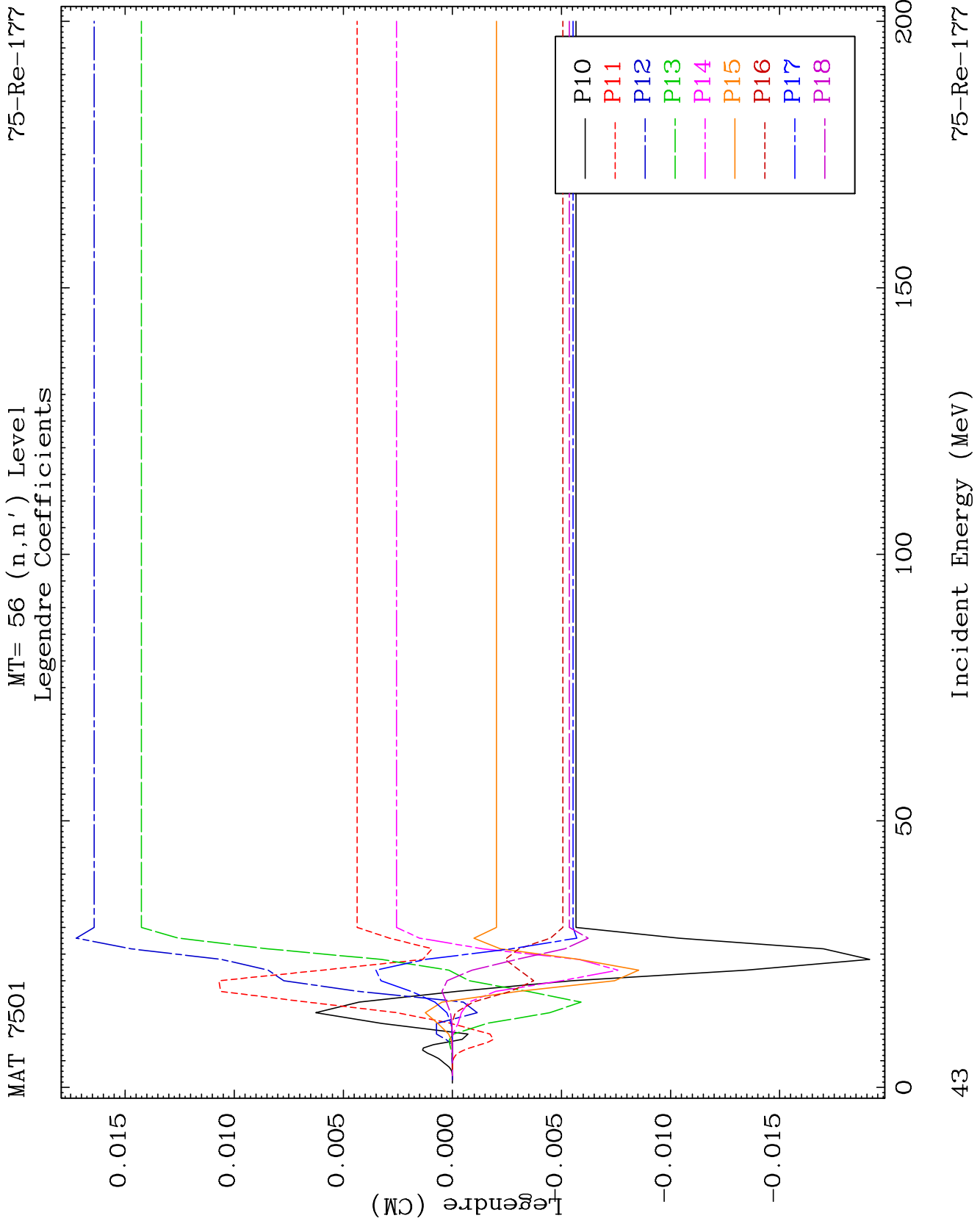
75-Re-177



41

Incident Energy (MeV)

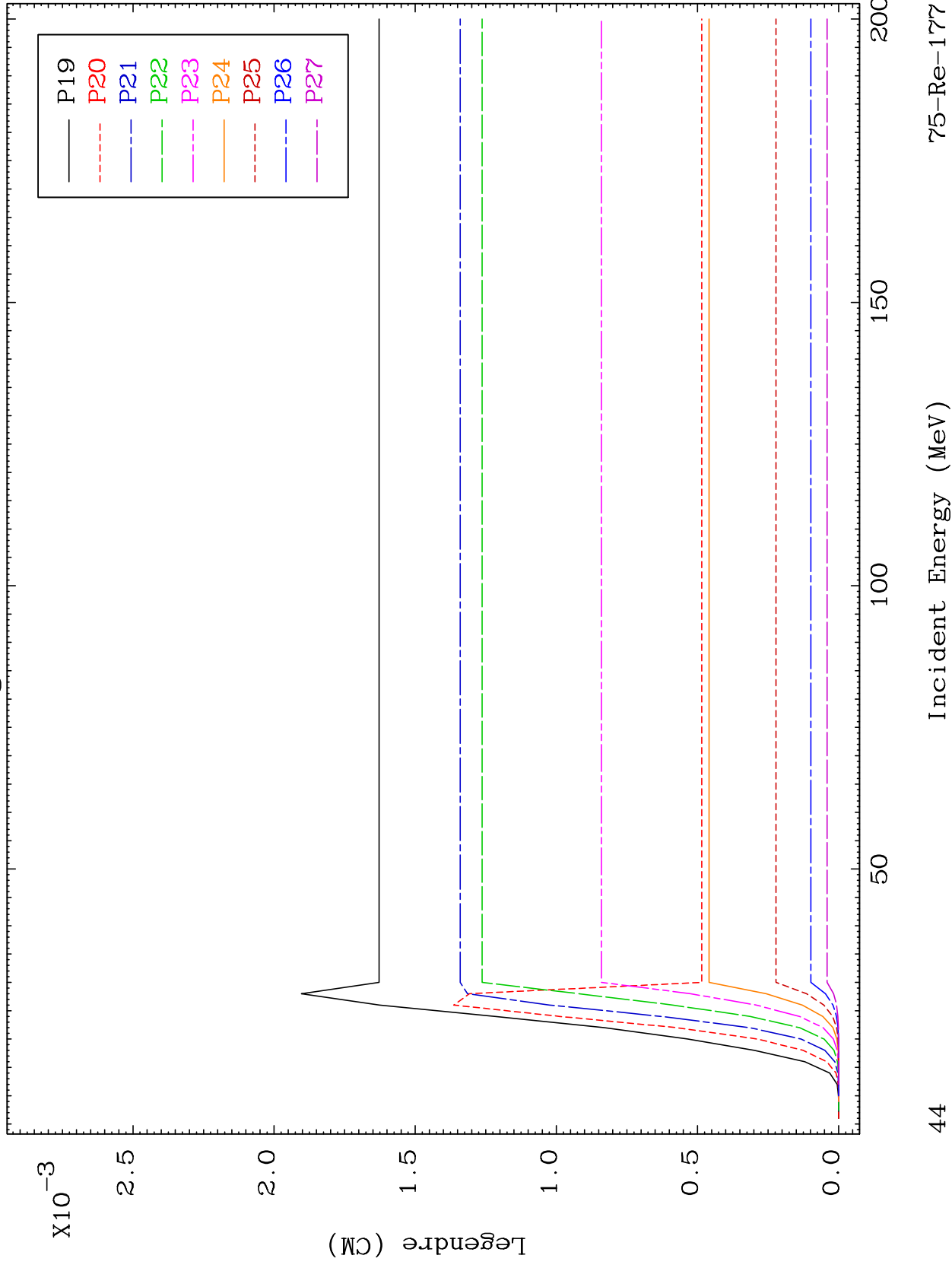
75-Re-177



MAT 7501

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

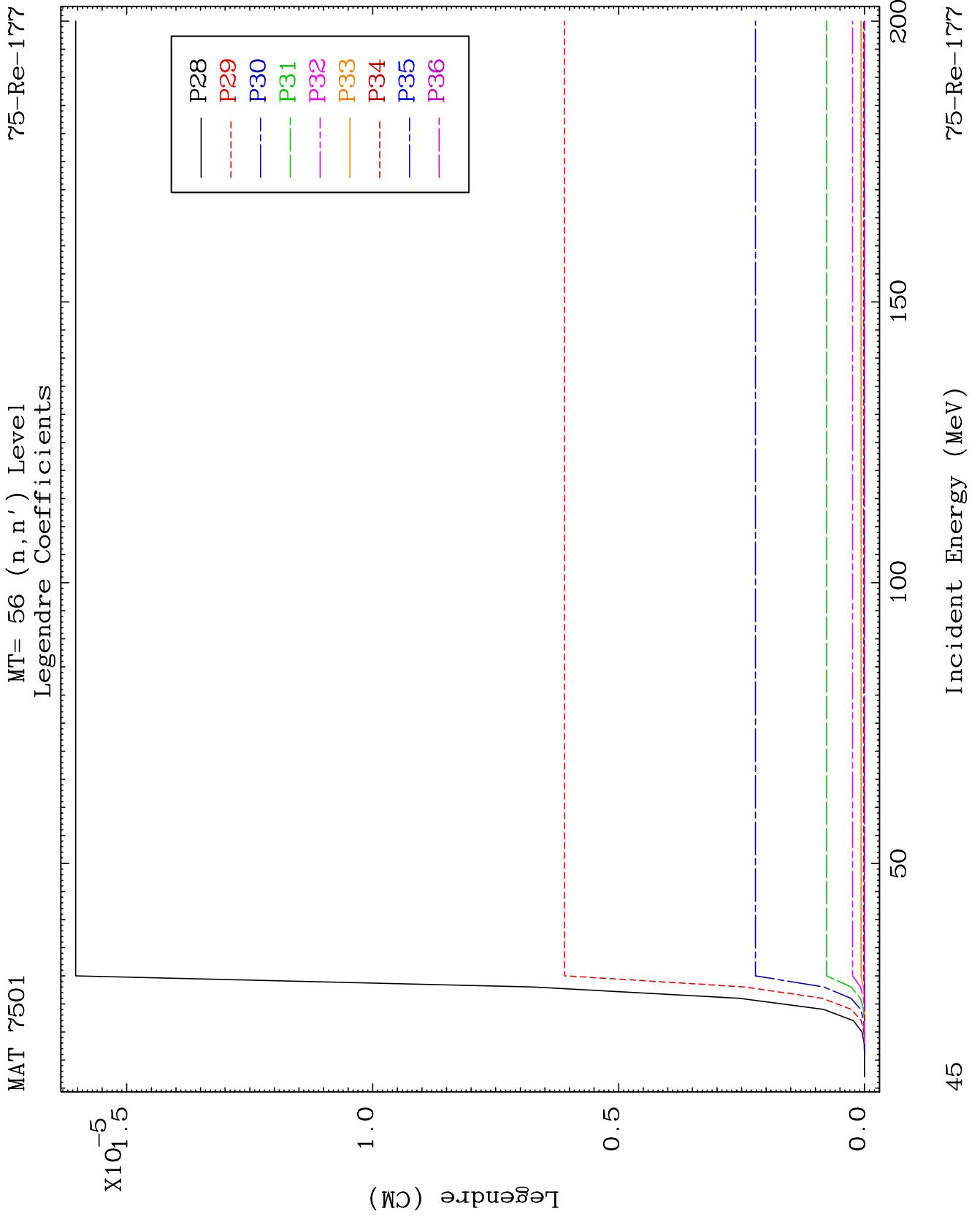
75-Re-177



44

Incident Energy (MeV)

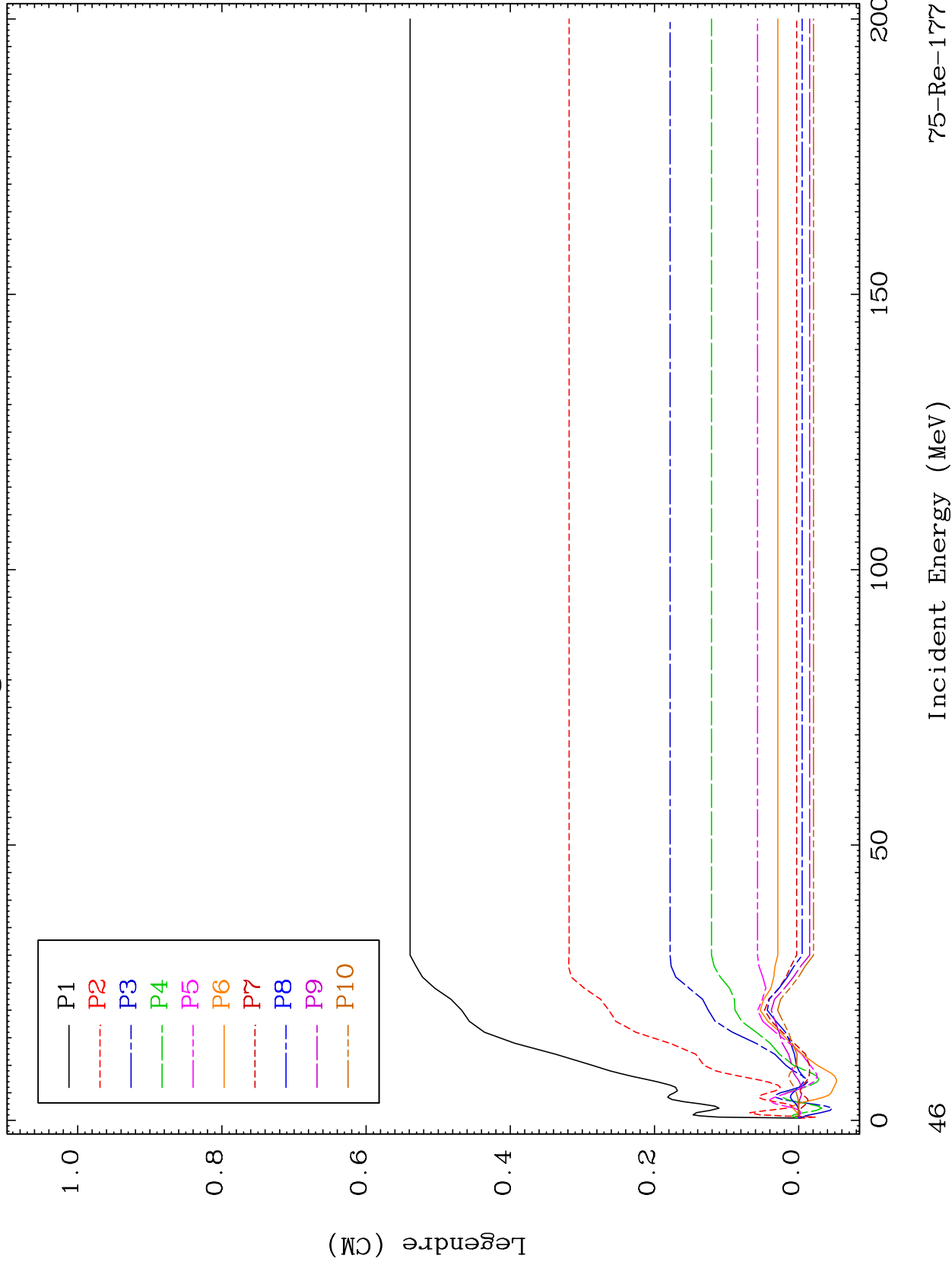
75-Re-177



MAT 7501

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

75-Re-177



46

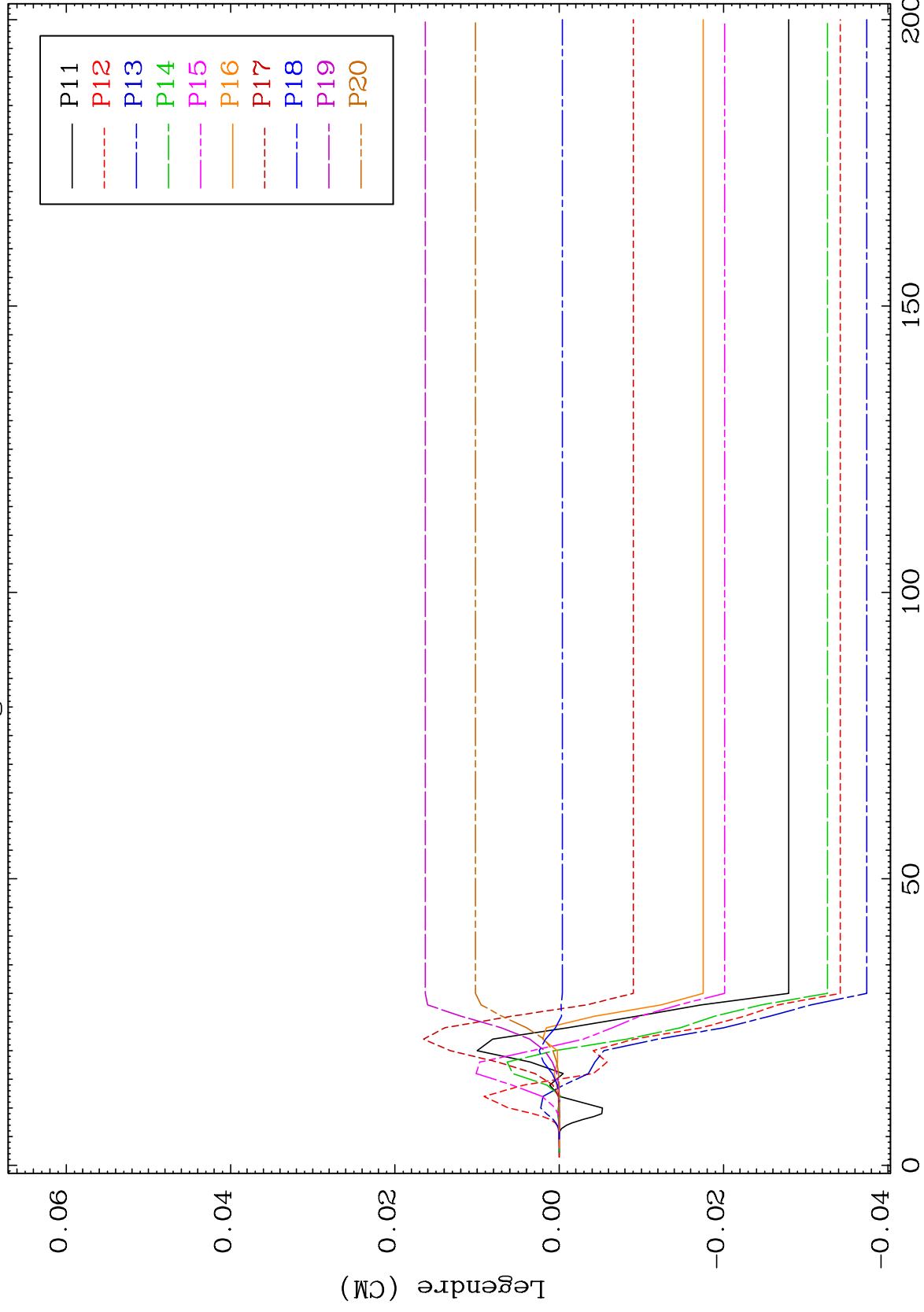
Incident Energy (MeV)

75-Re-177

MAT 7501

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

75-Re-177



47

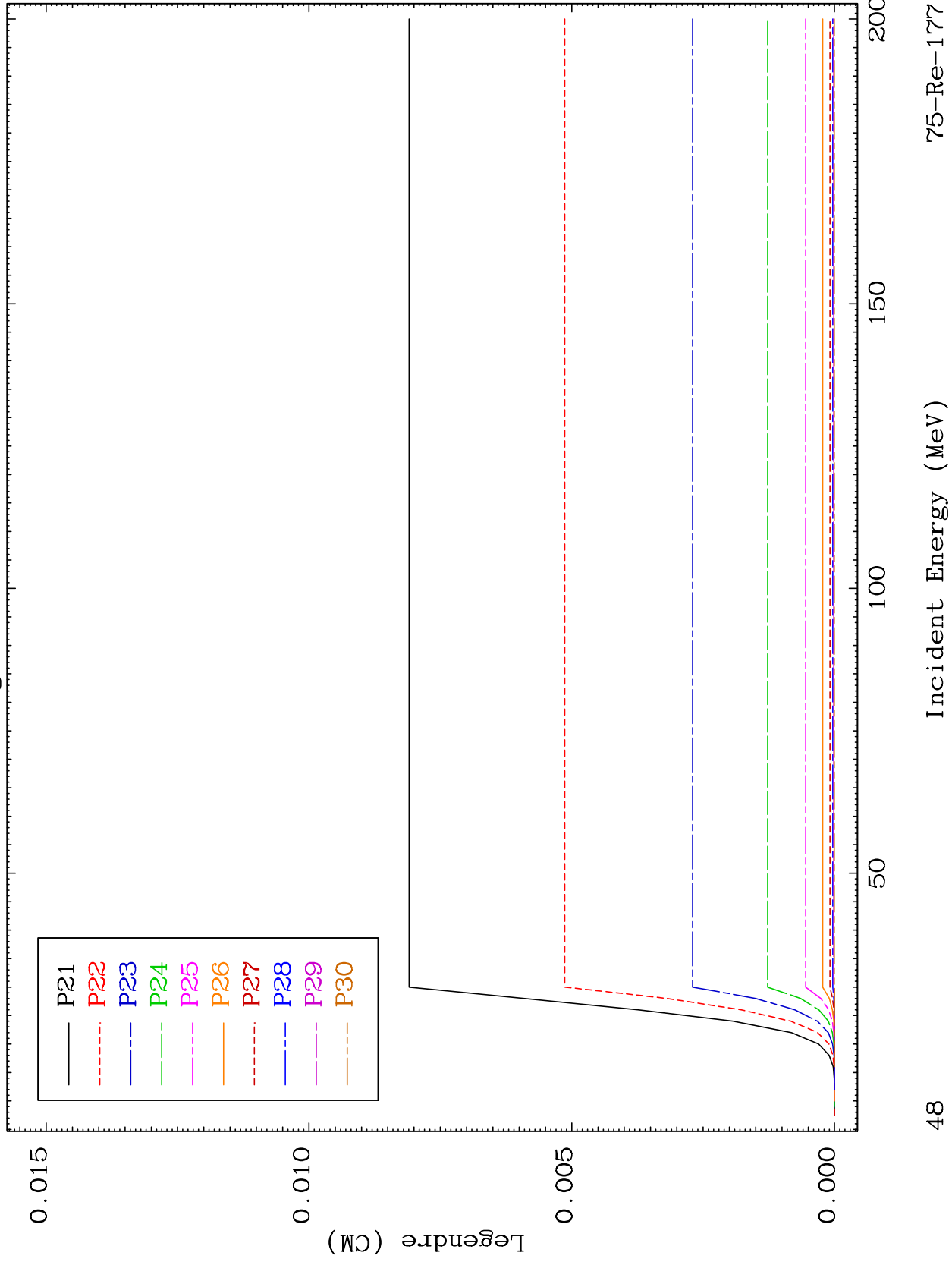
Incident Energy (MeV)

75-Re-177

MAT 7501

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

75-Re-177



48

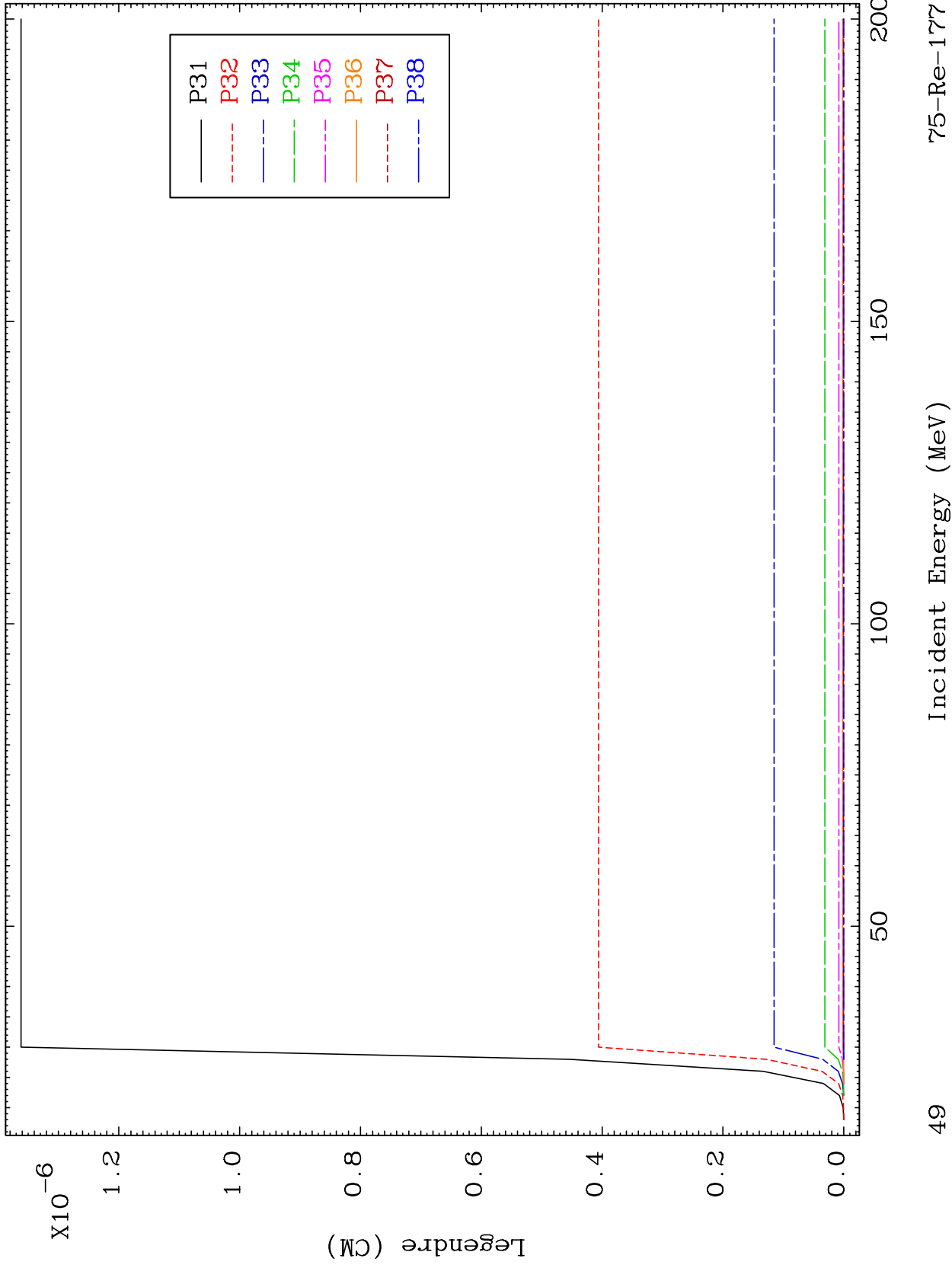
Incident Energy (MeV)

75-Re-177

MAT 7501

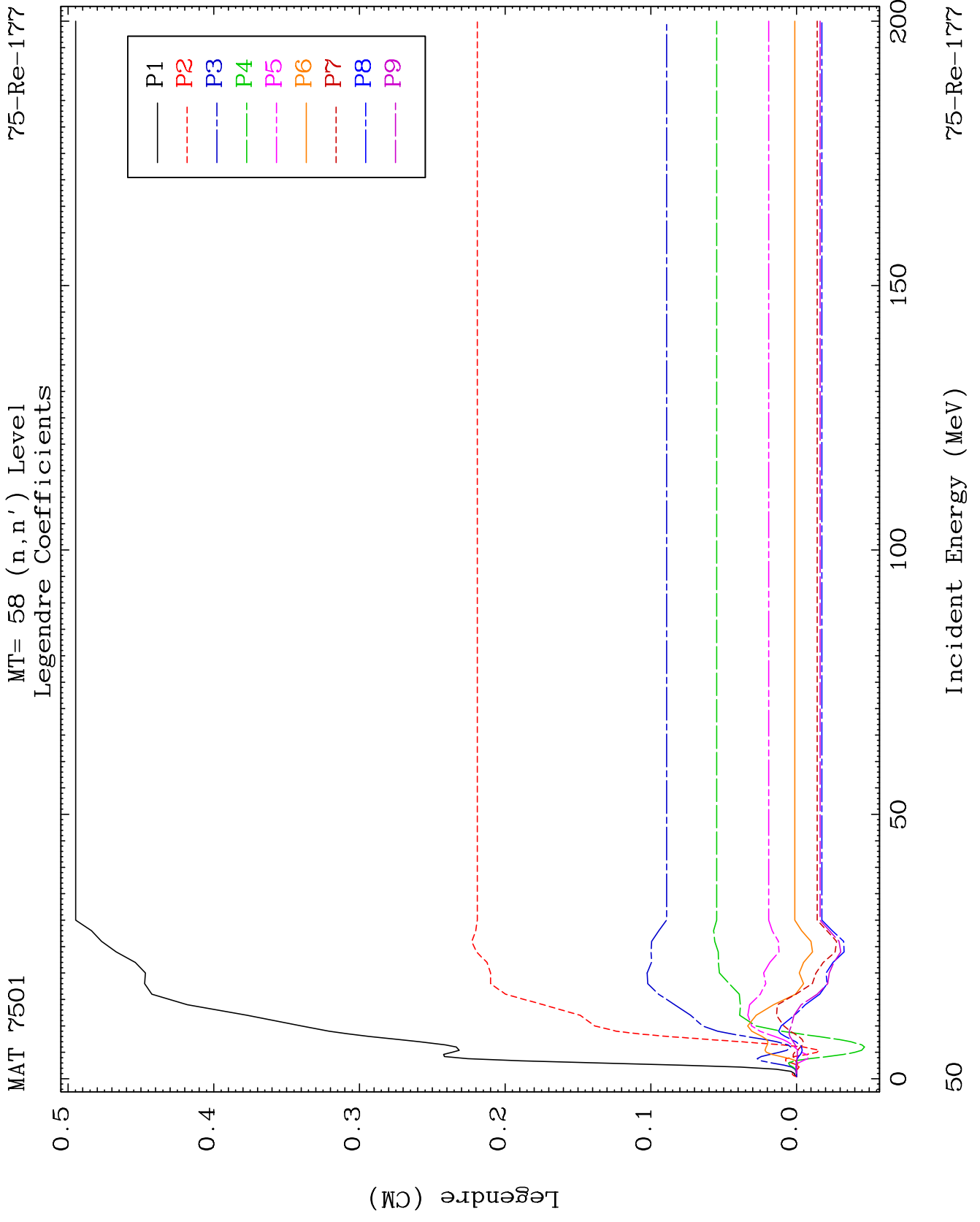
MT= 57 (n,n') Level
Legendre Coefficients

75-Re-177



49

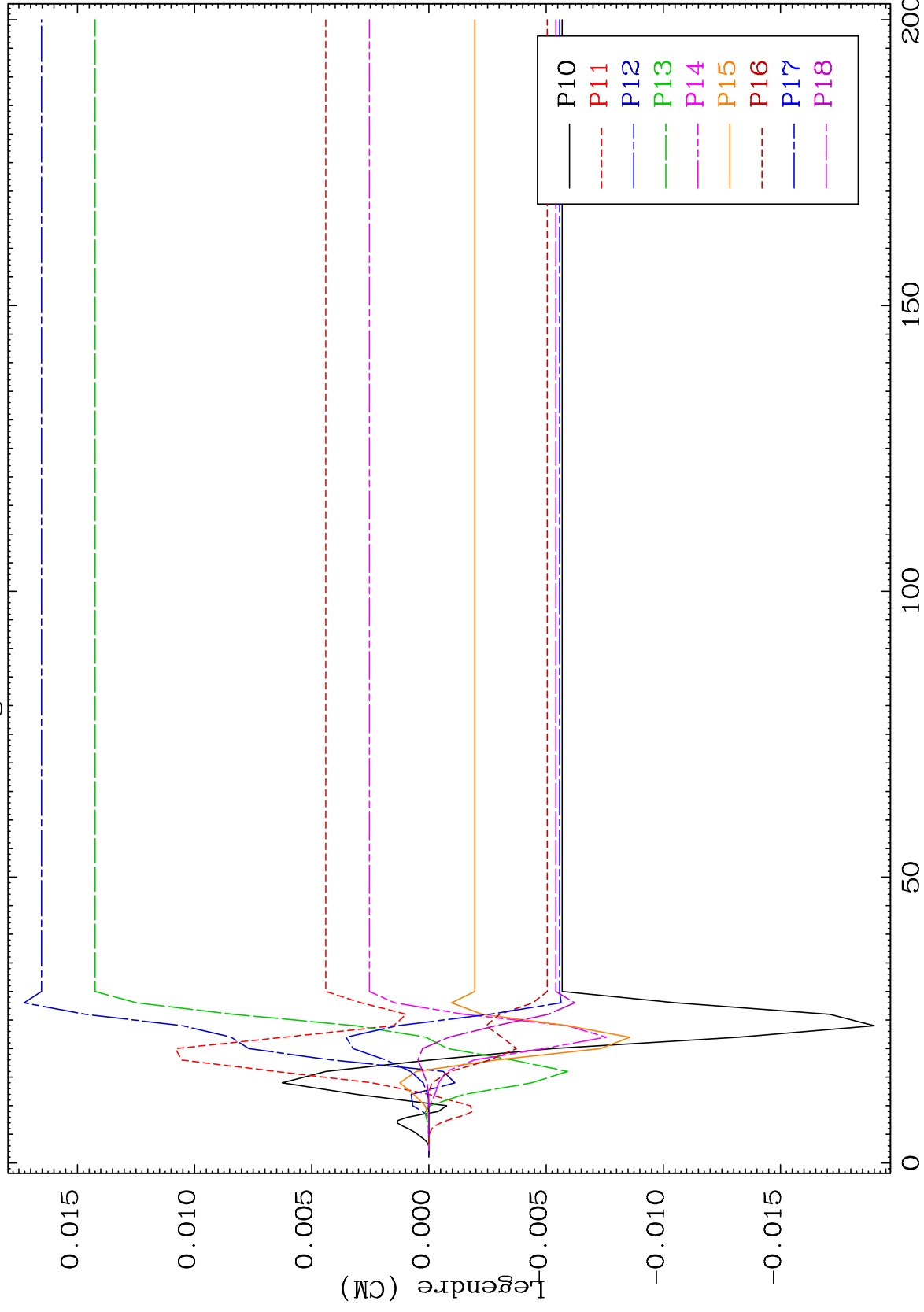
75-Re-177



MAT 7501

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

75-Re-177



51

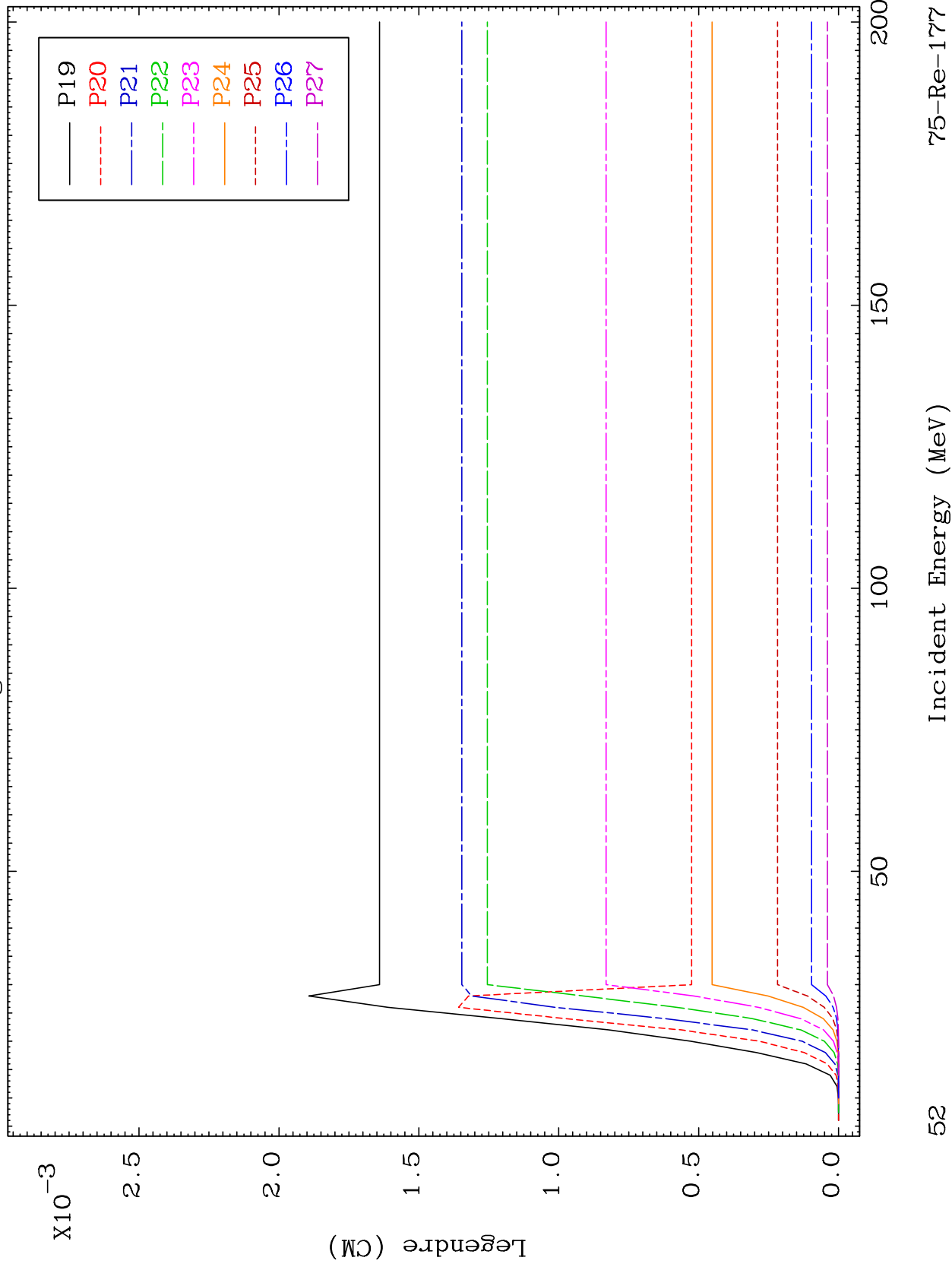
Incident Energy (MeV)

75-Re-177

MAT 7501

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

75-Re-177



52

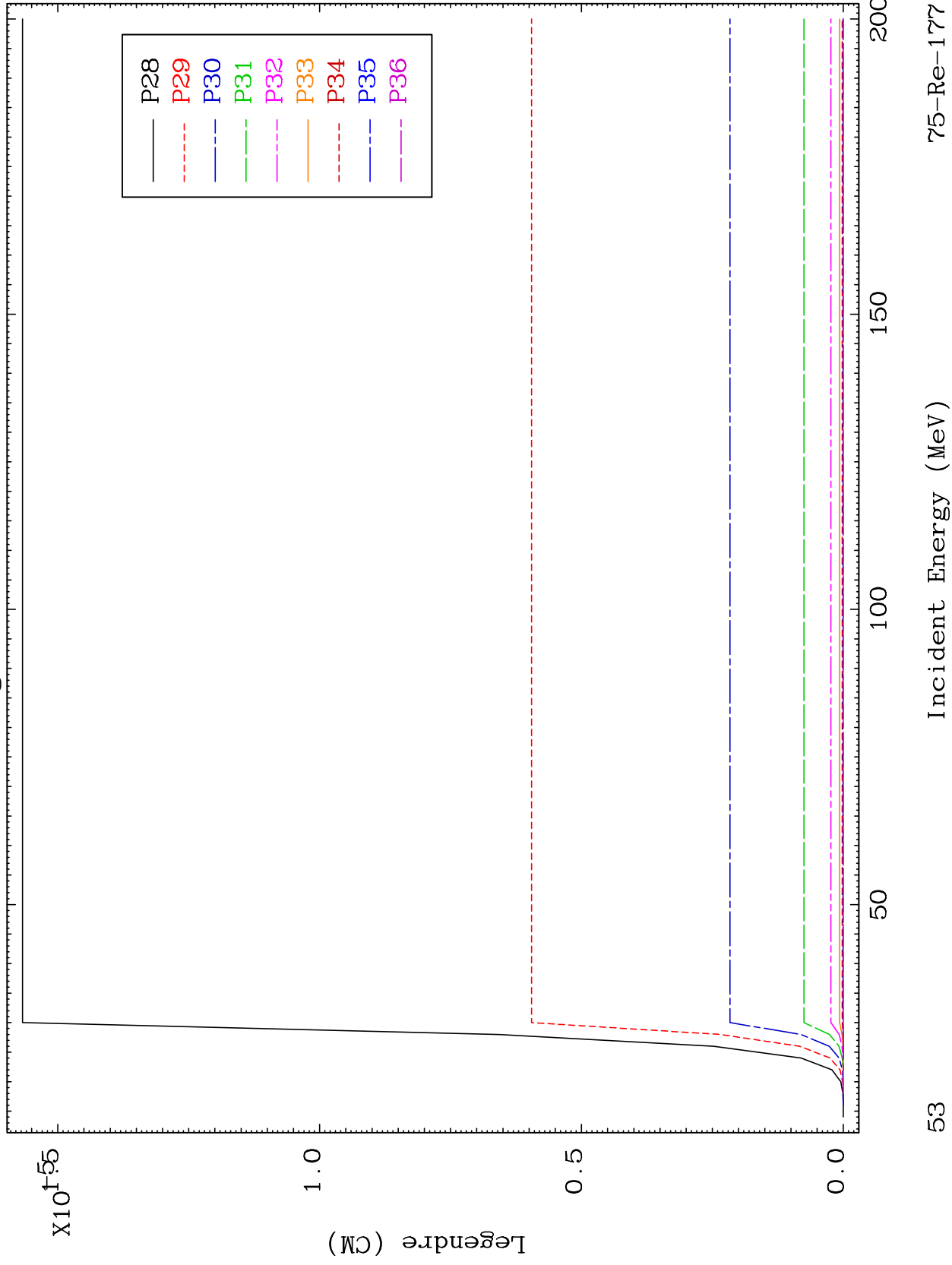
Incident Energy (MeV)

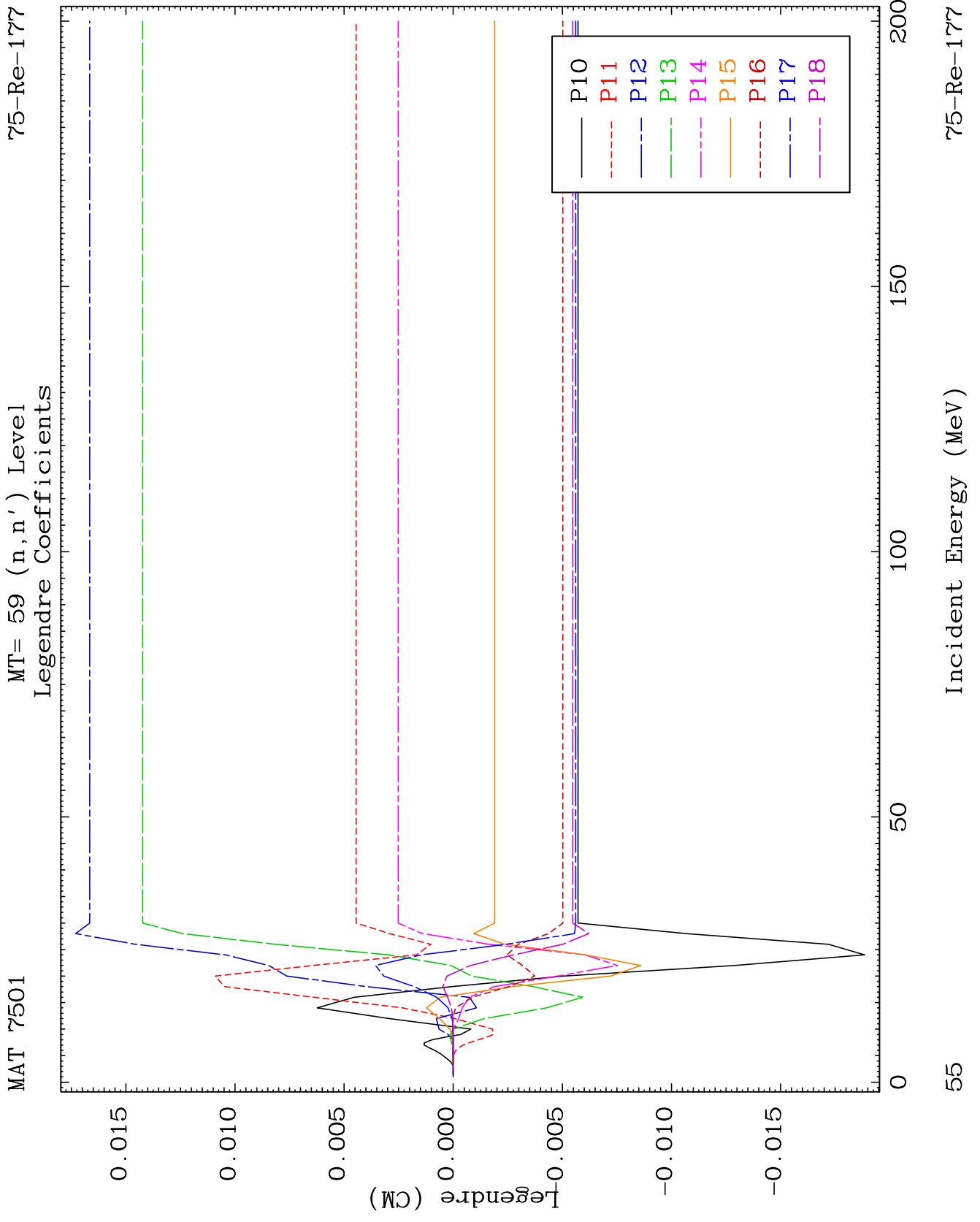
75-Re-177

MAT 7501

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

75-Re-177

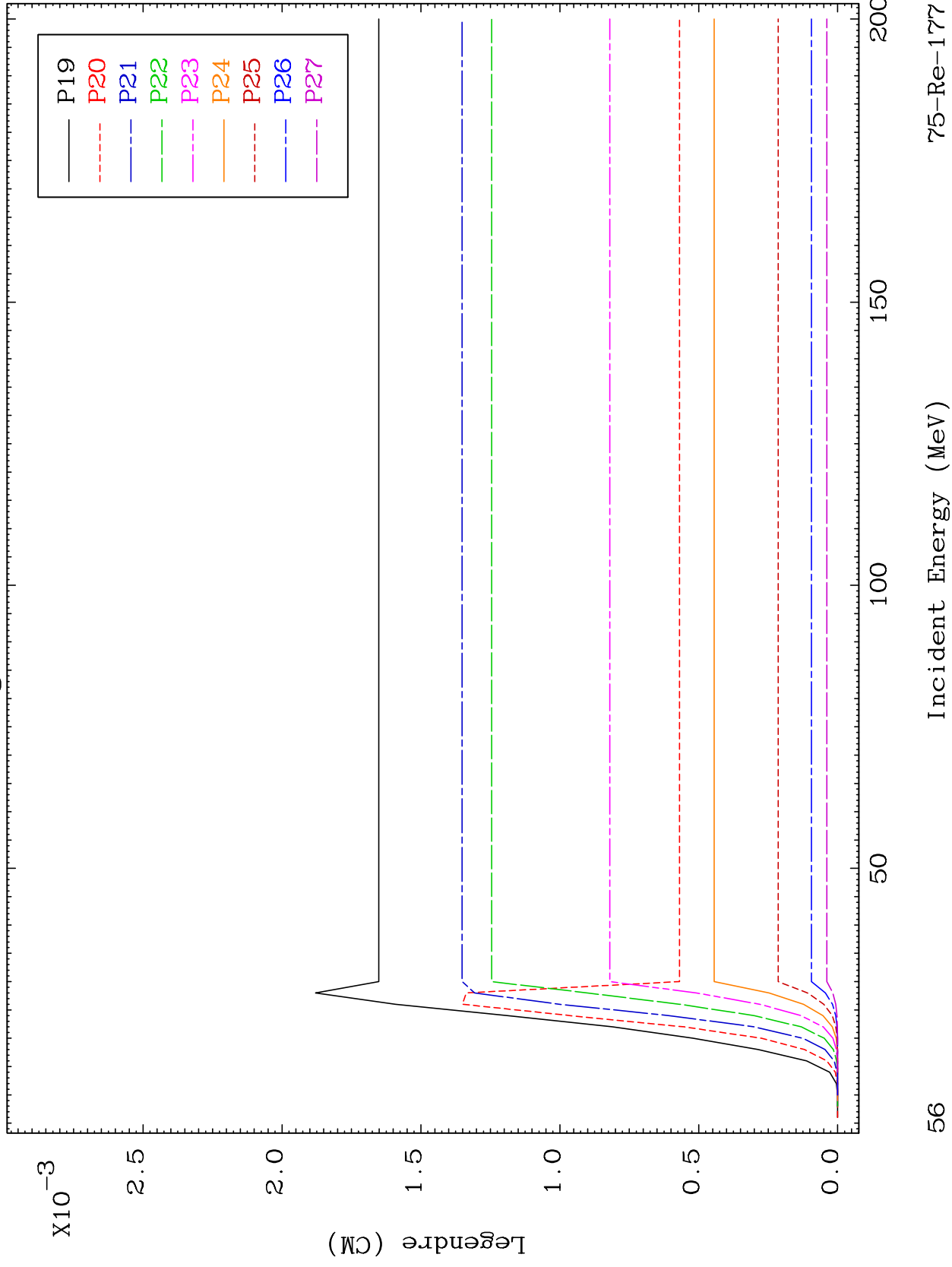




MAT 7501

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

75-Re-177



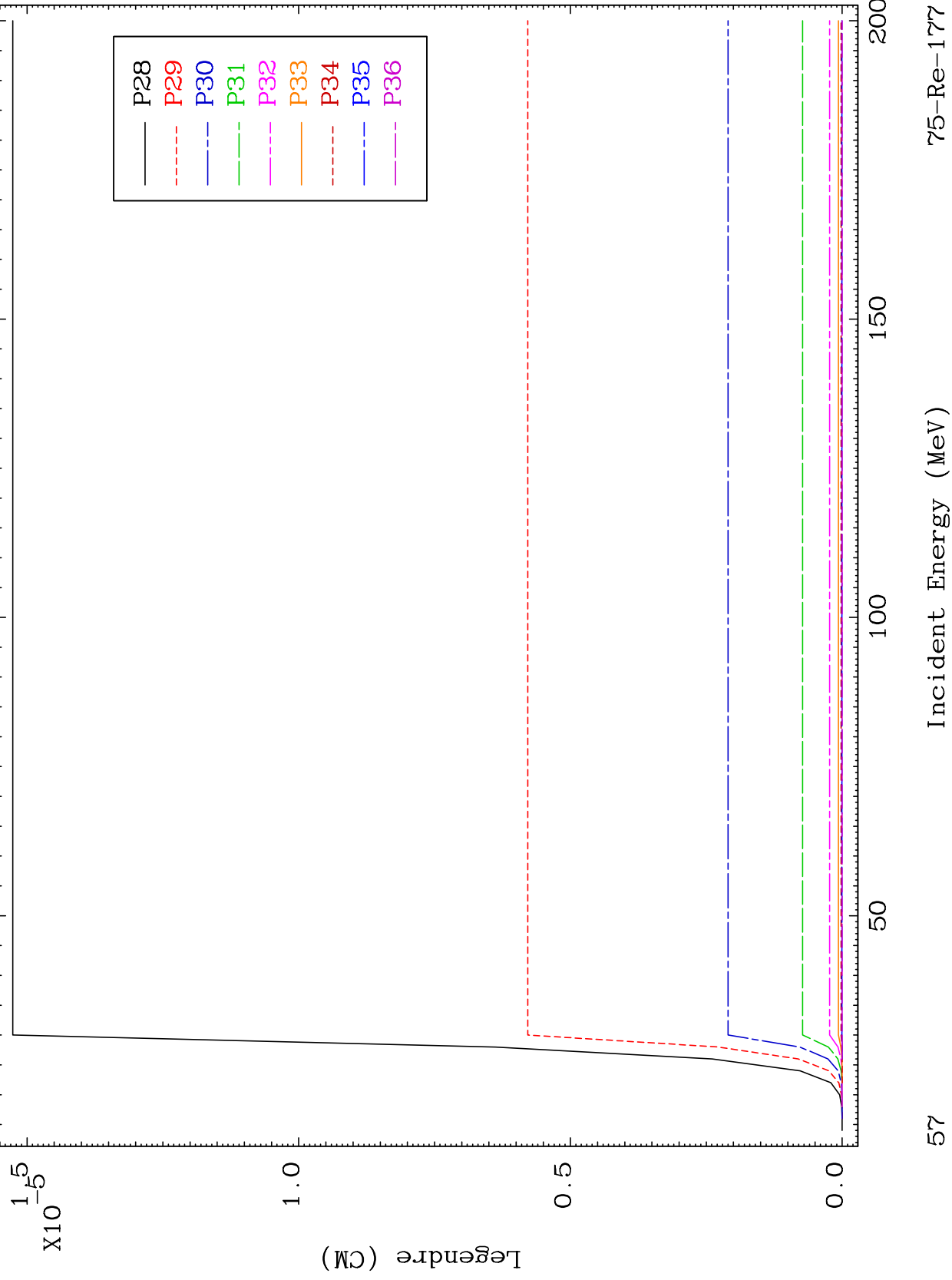
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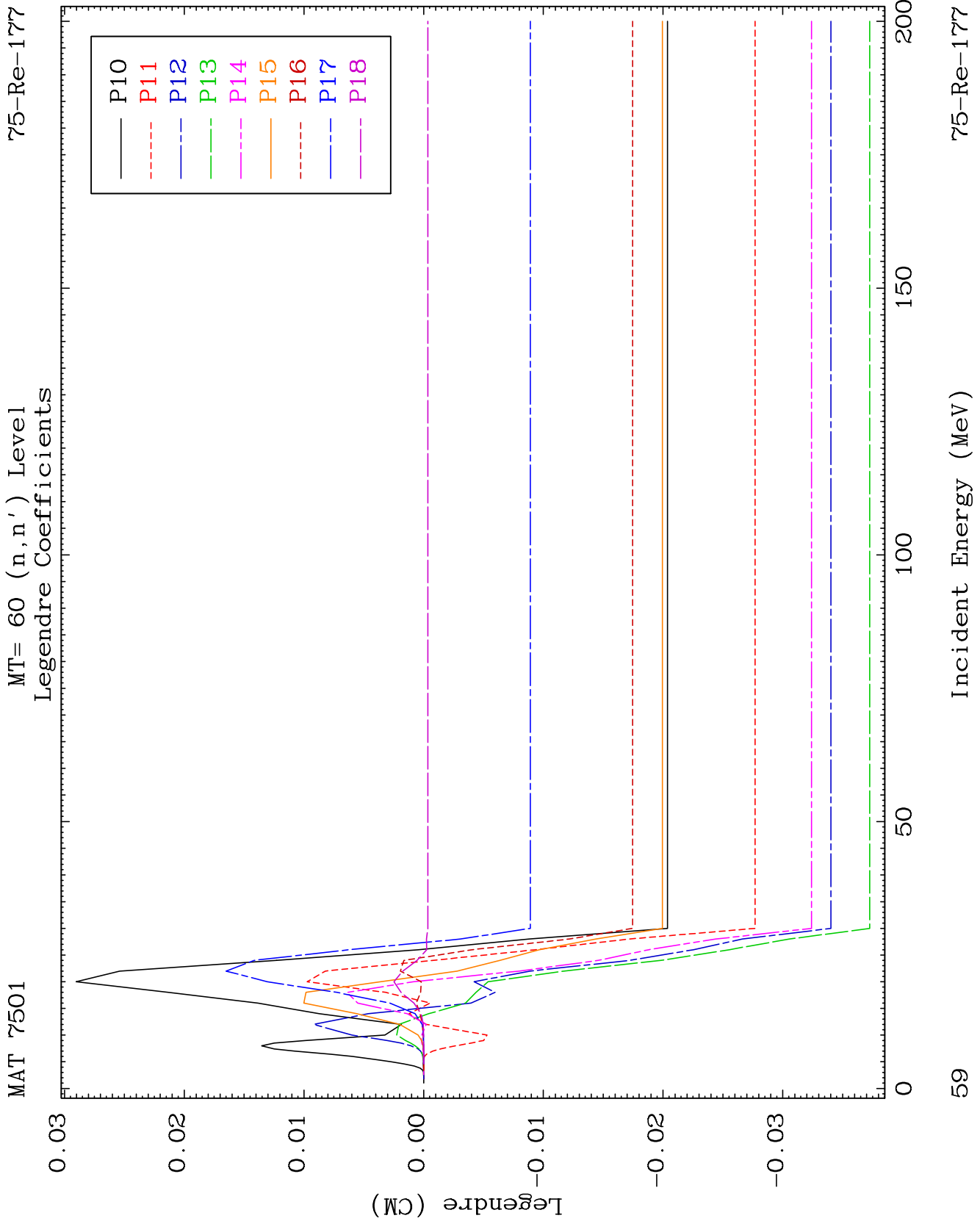
75-Re-177

MAT 7501

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

75-Re-177

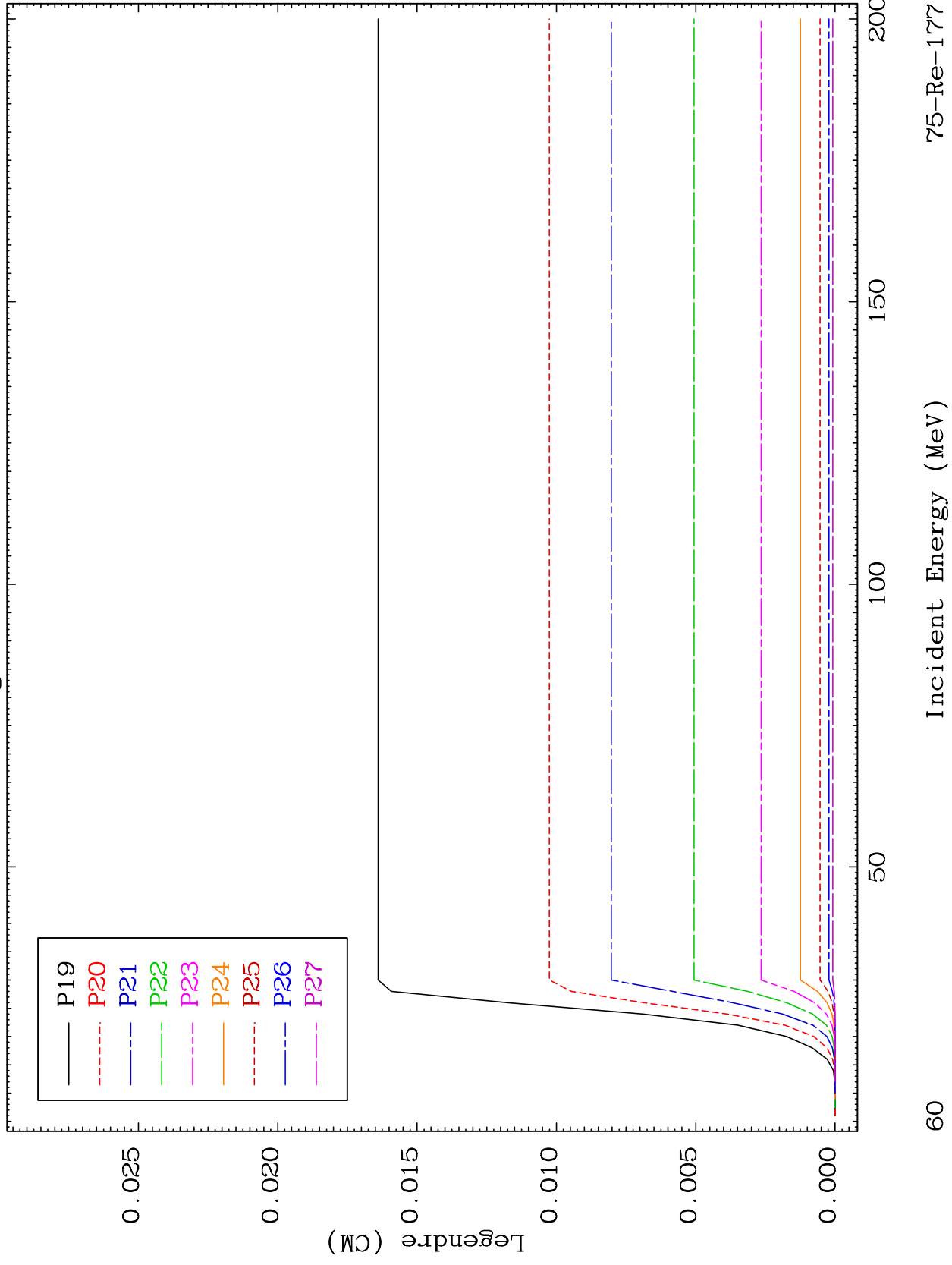




MAT 7501

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

75-Re-177



75-Re-177

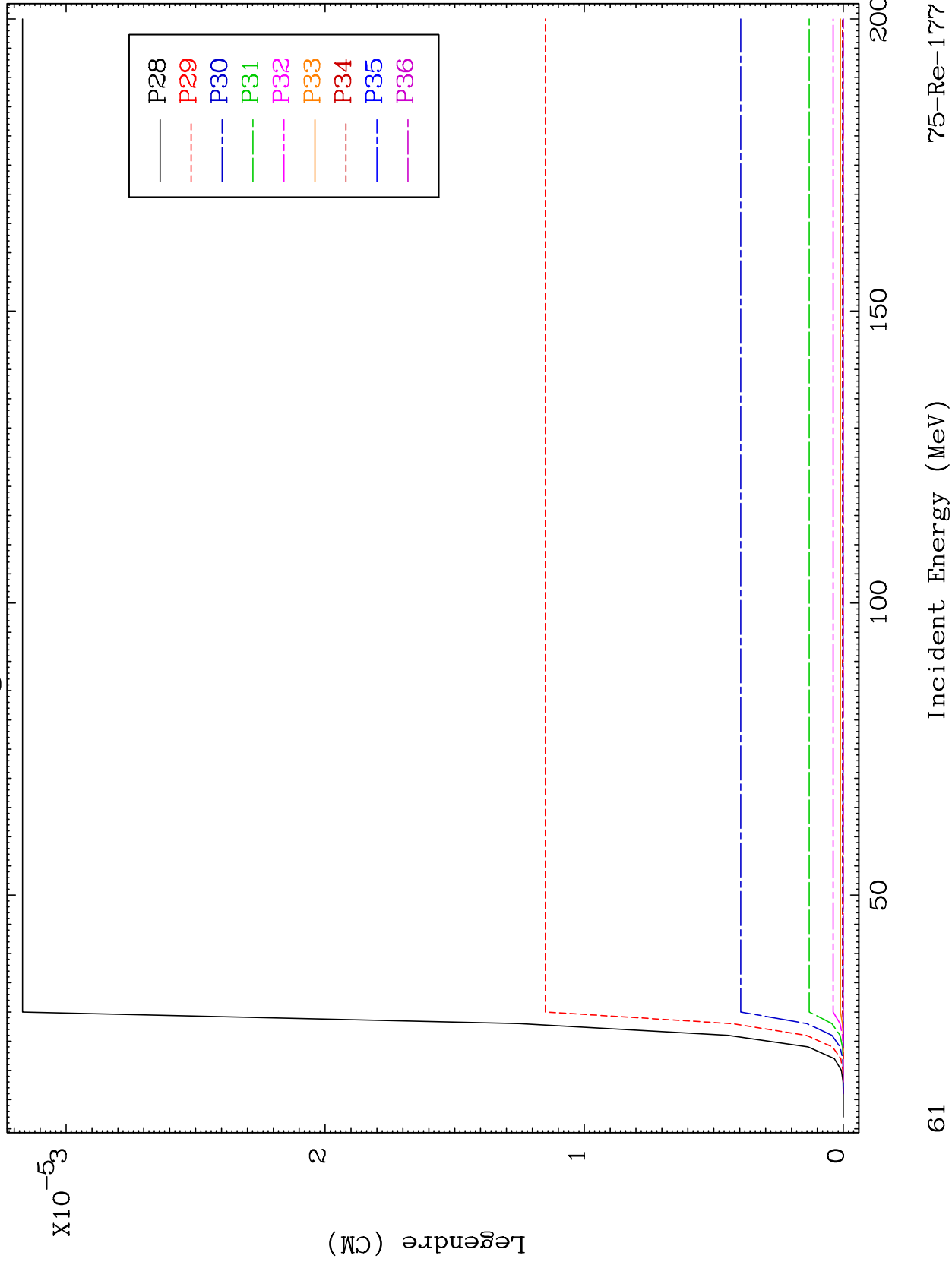
Incident Energy (MeV)

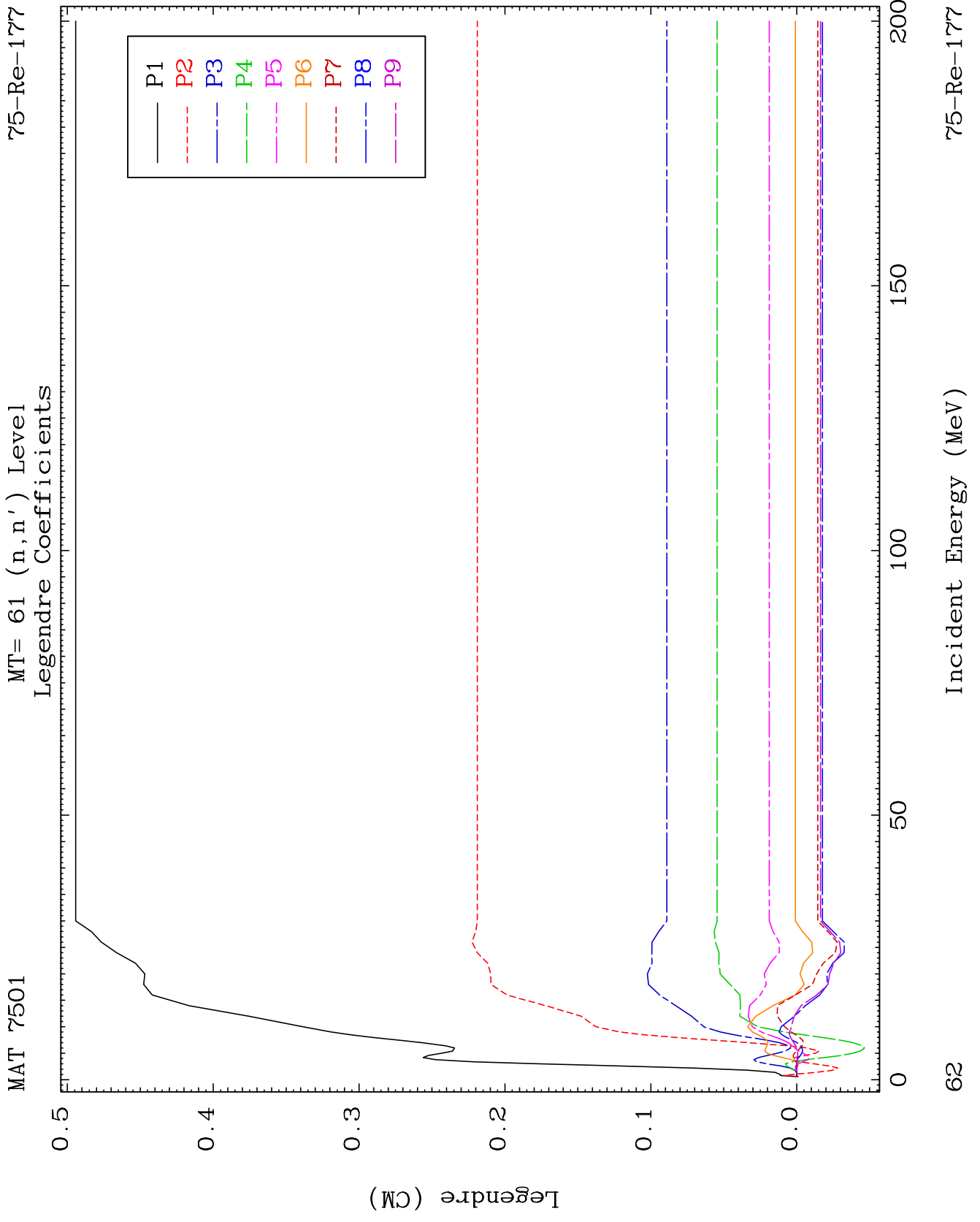
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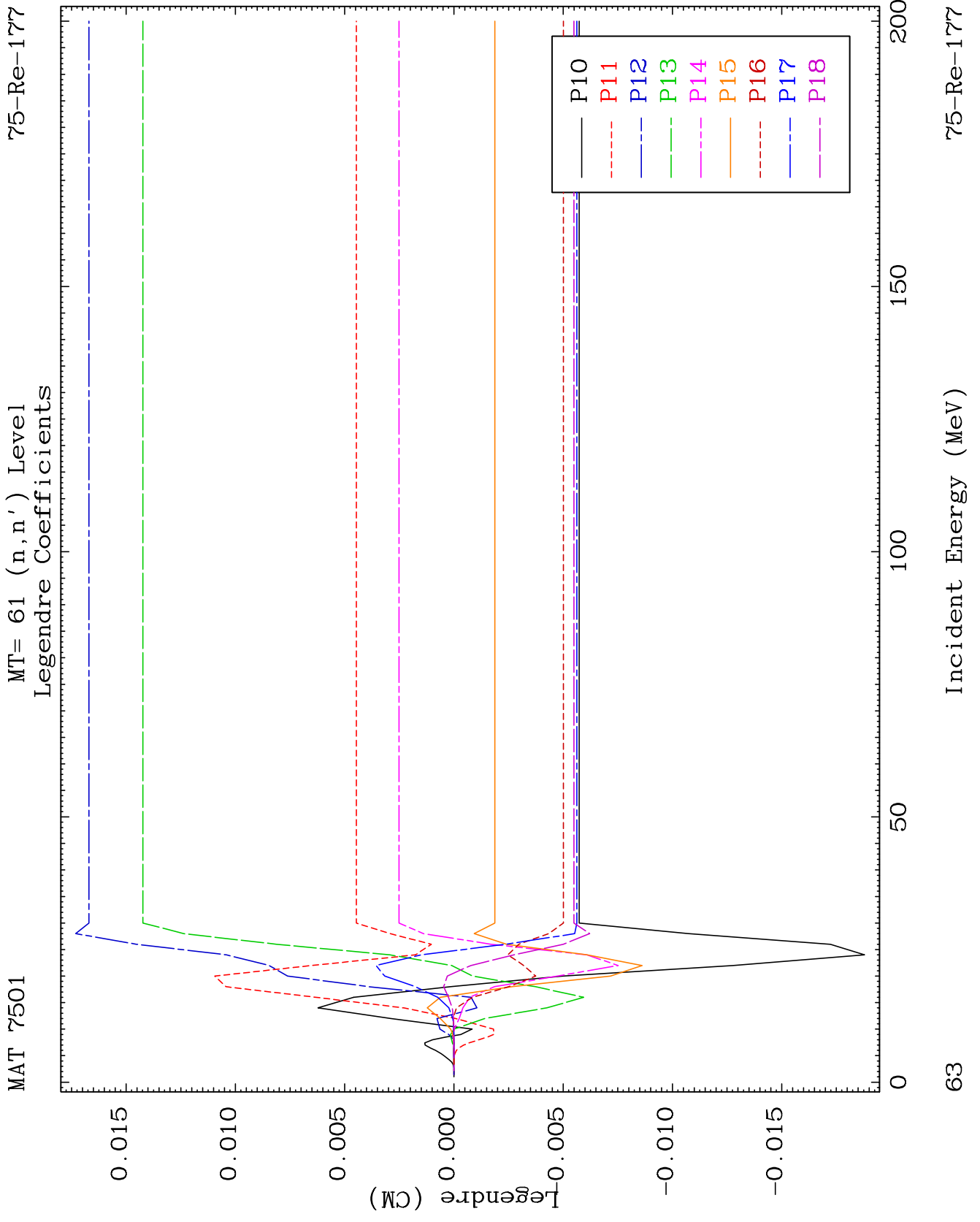
MAT 7501

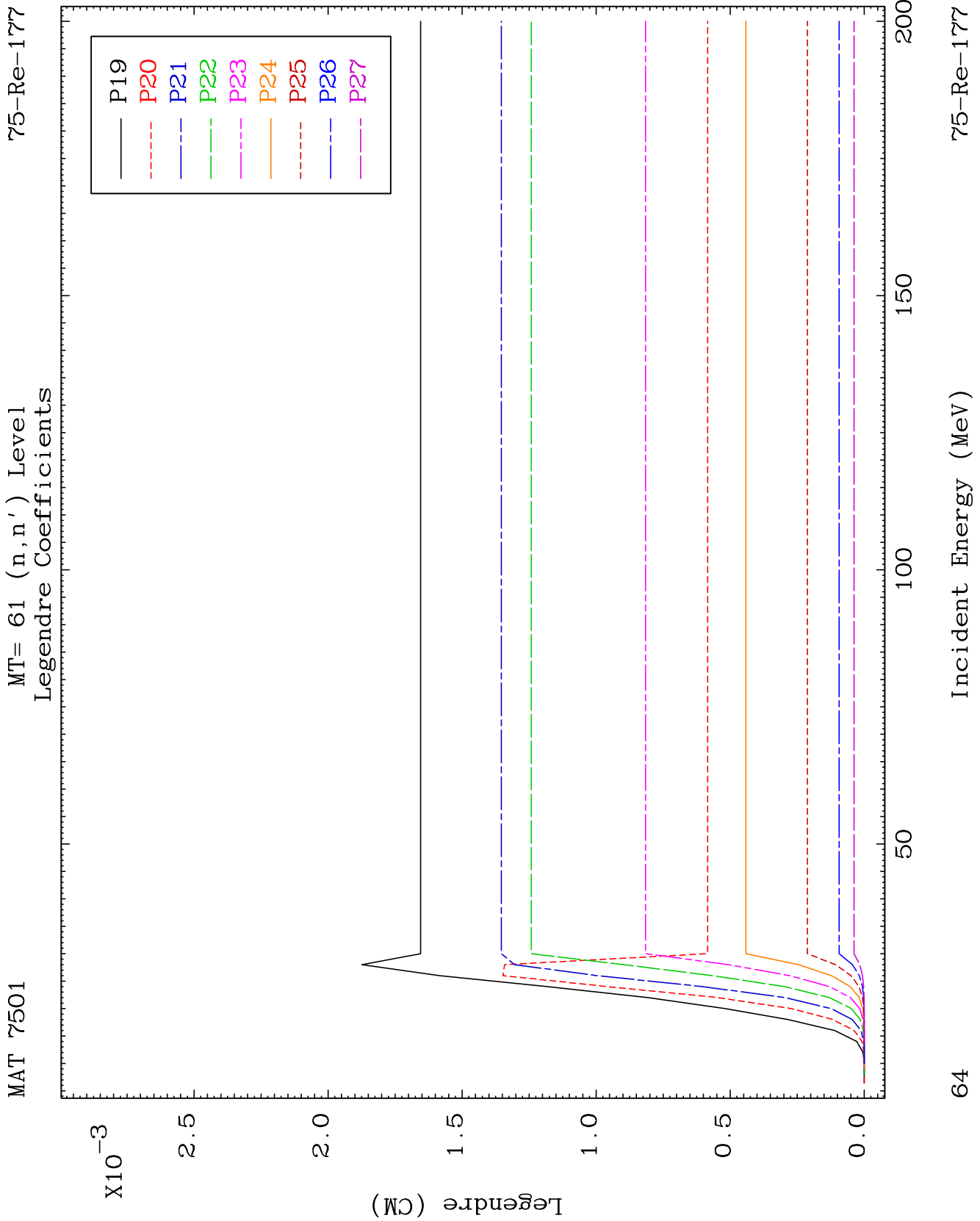
MT= 60 (n,n') Level
Legendre Coefficients

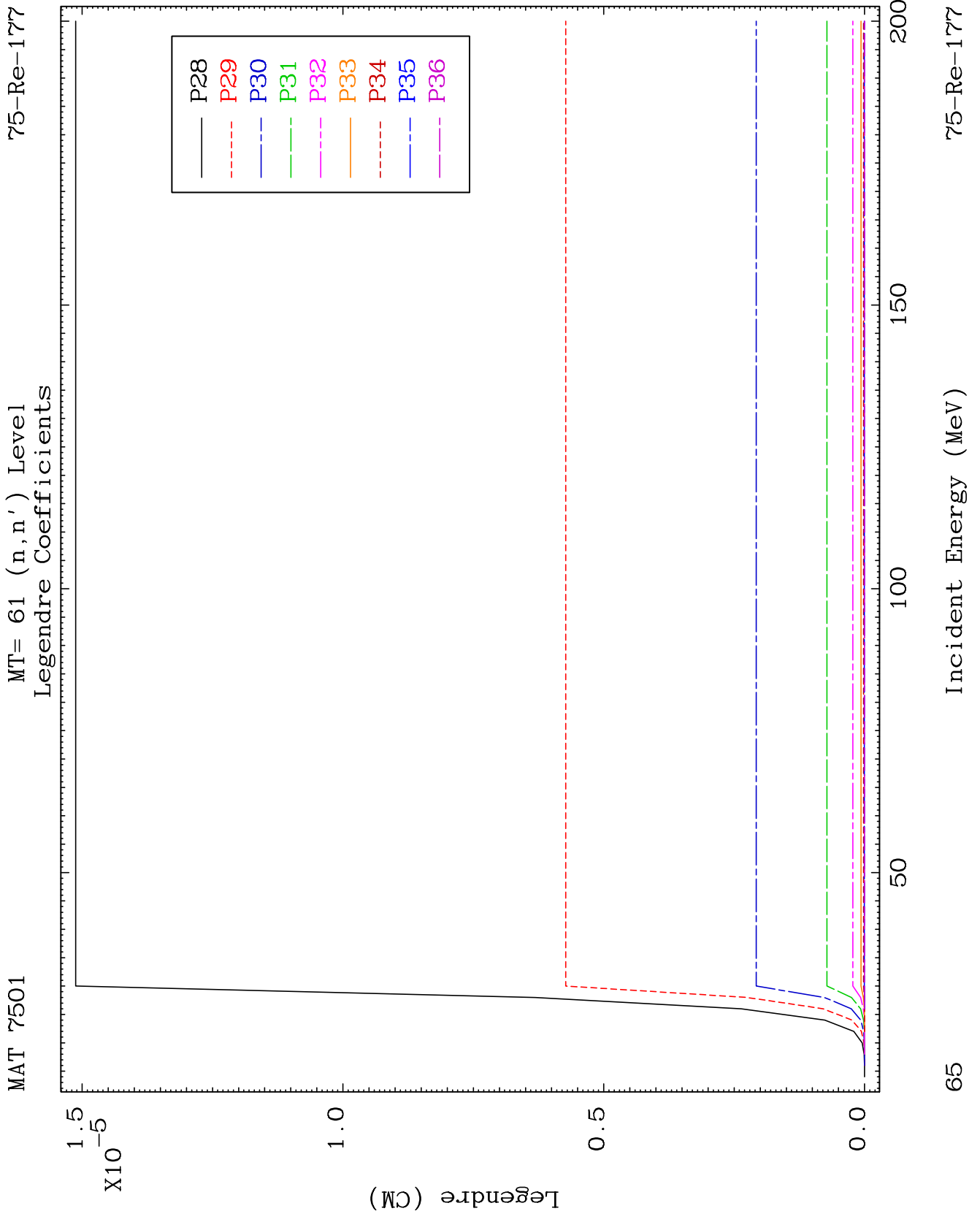
75-Re-177







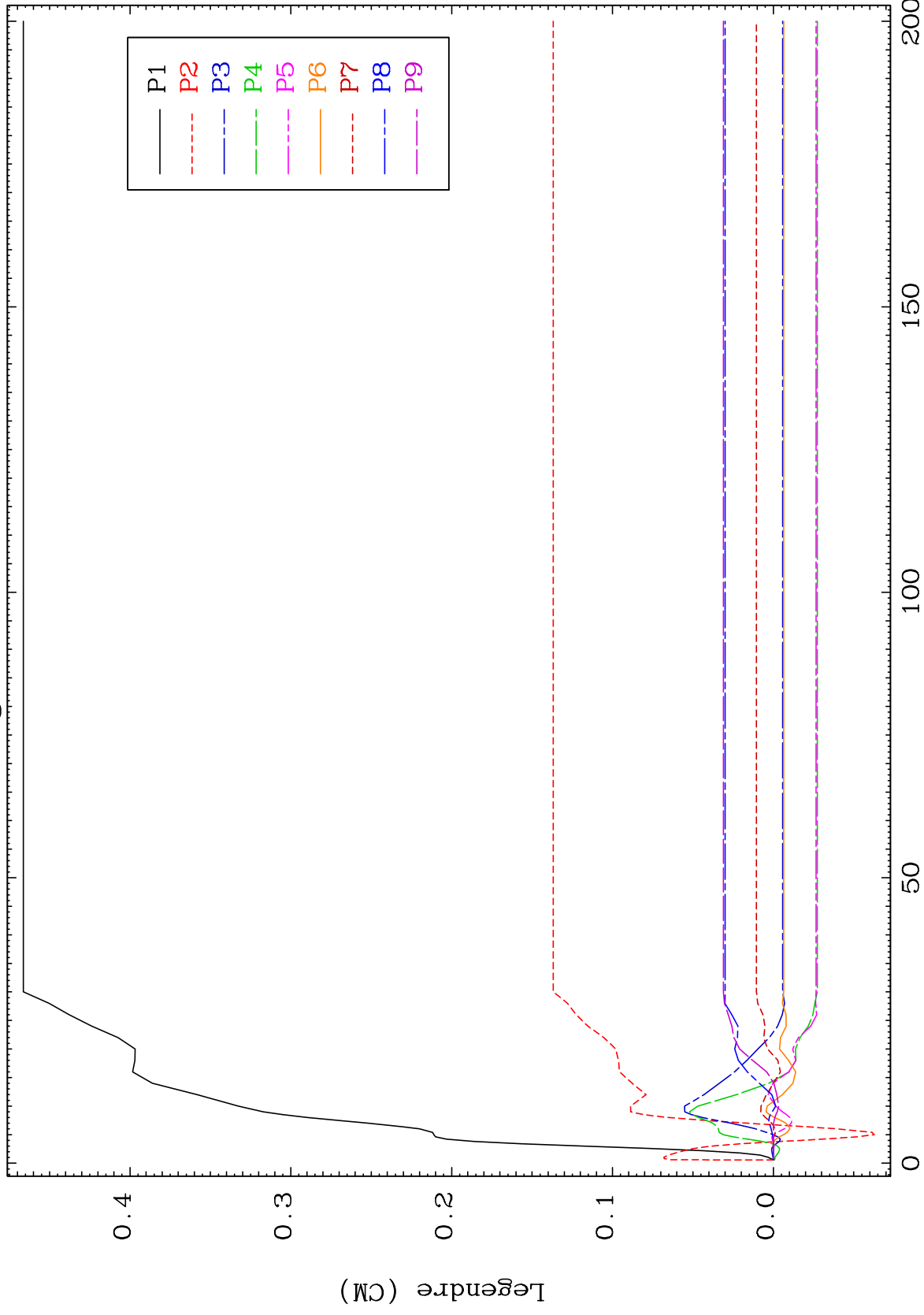




MAT 7501

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

75-Re-177



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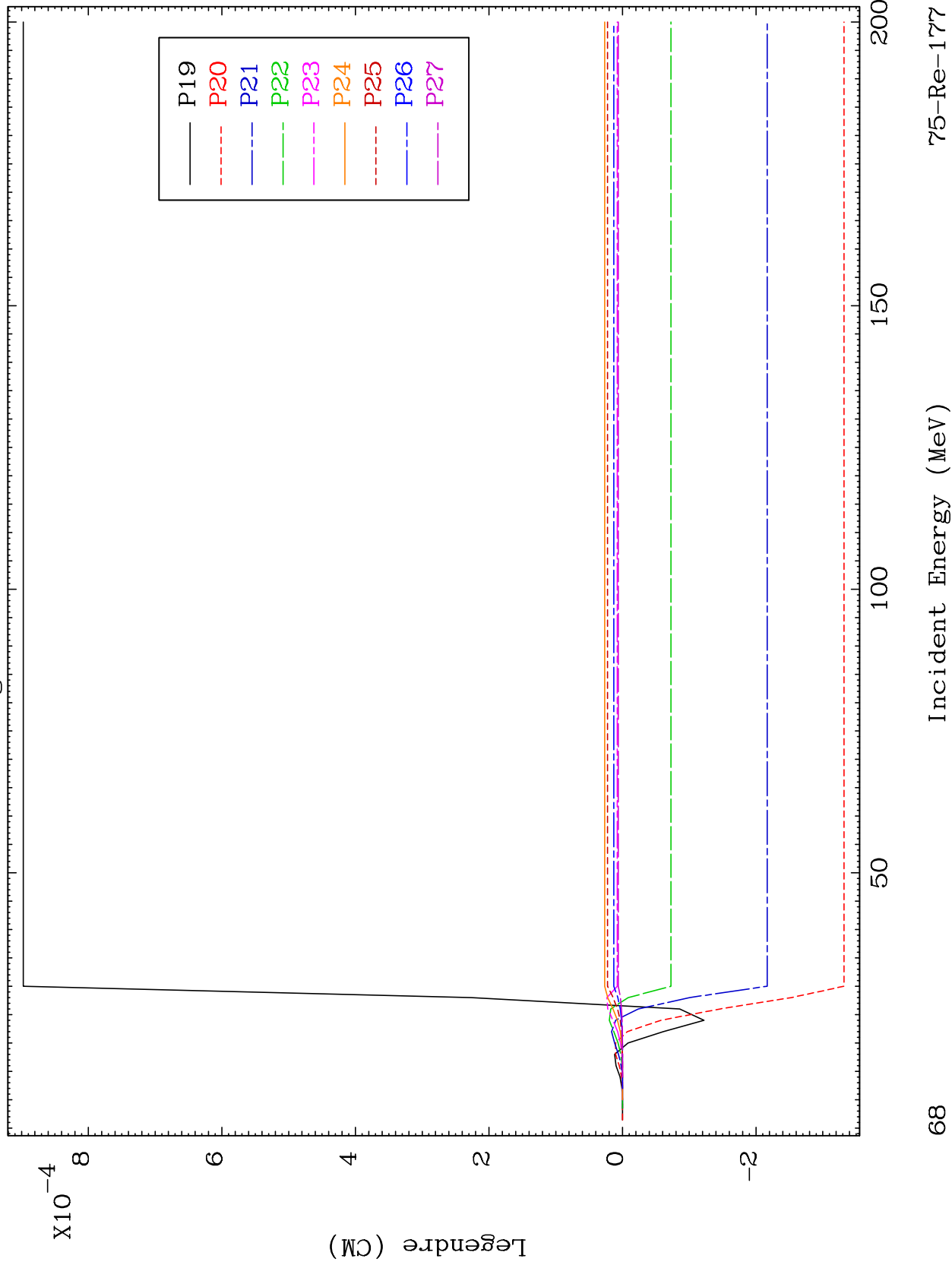
Incident Energy (MeV)

75-Re-177

MAT 7501

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

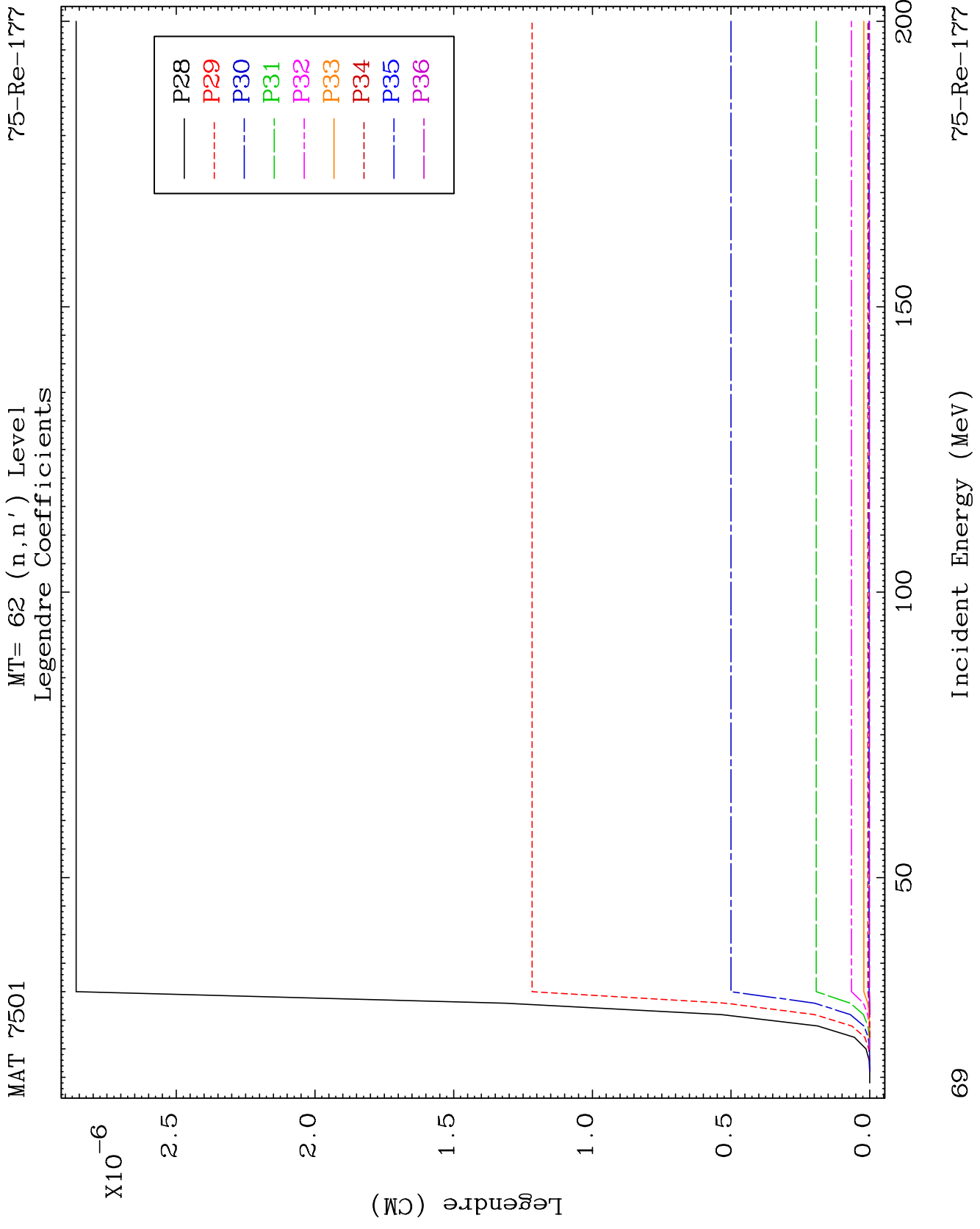
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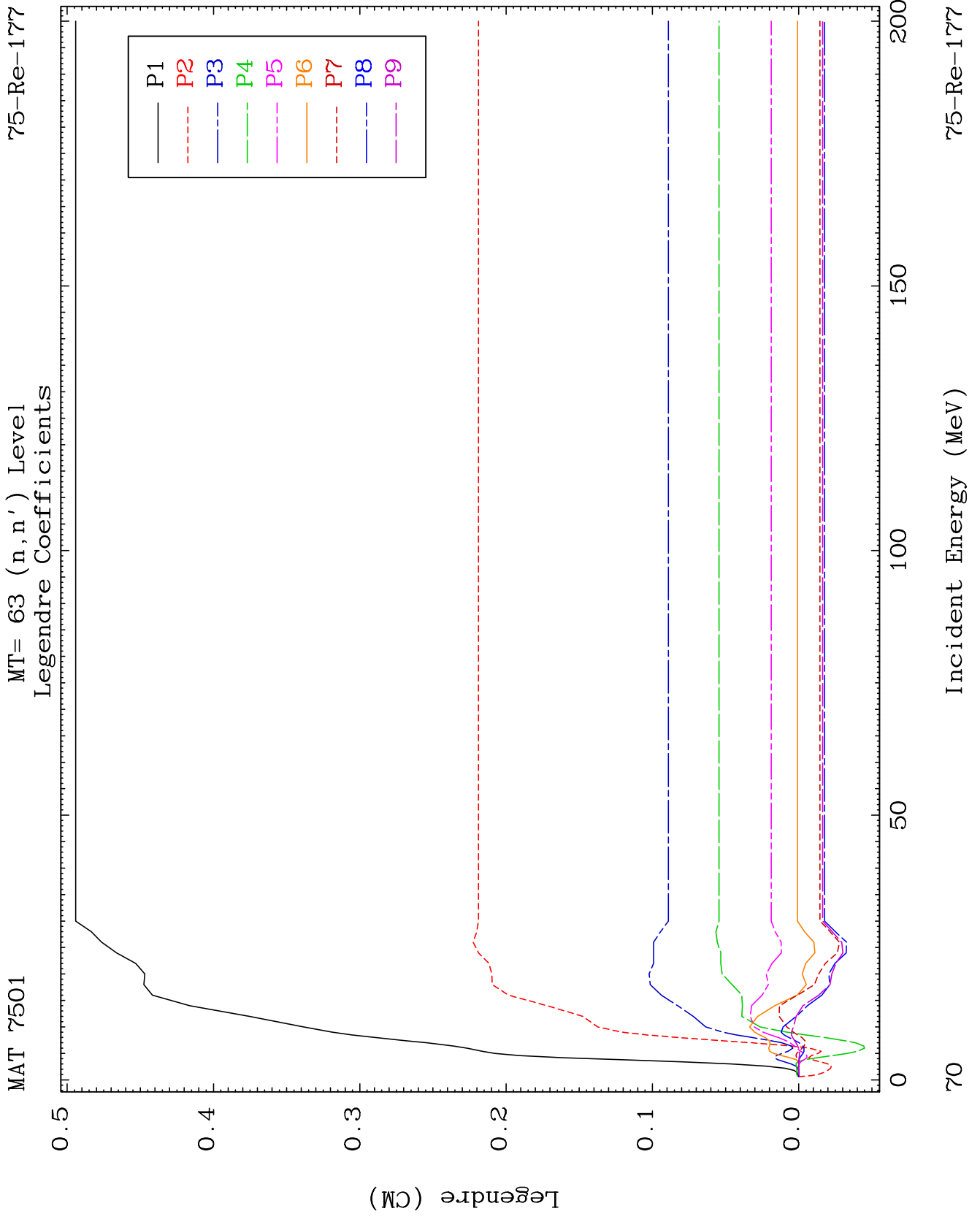


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Incident Energy (MeV)

75-Re-177

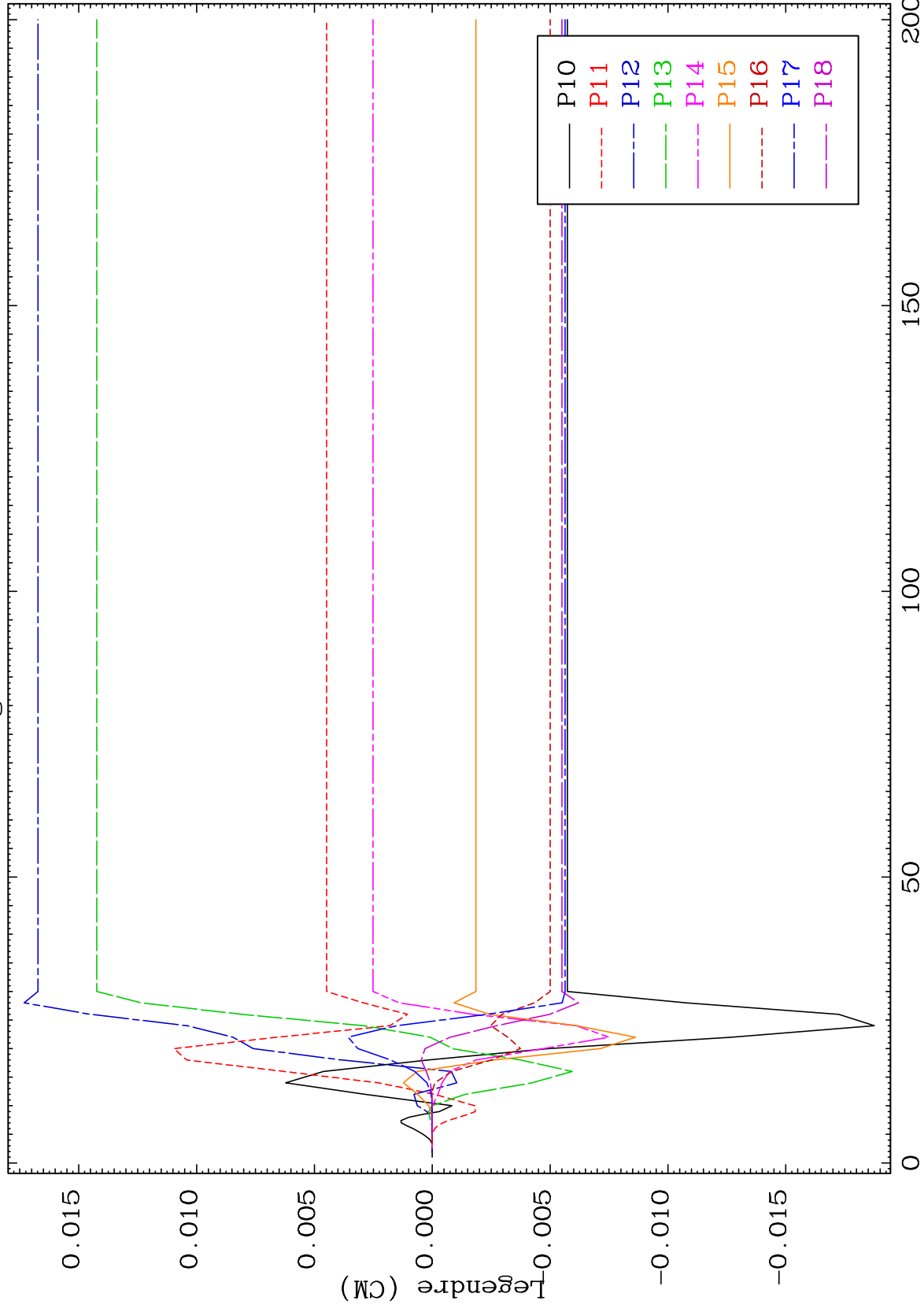




MAT 7501

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

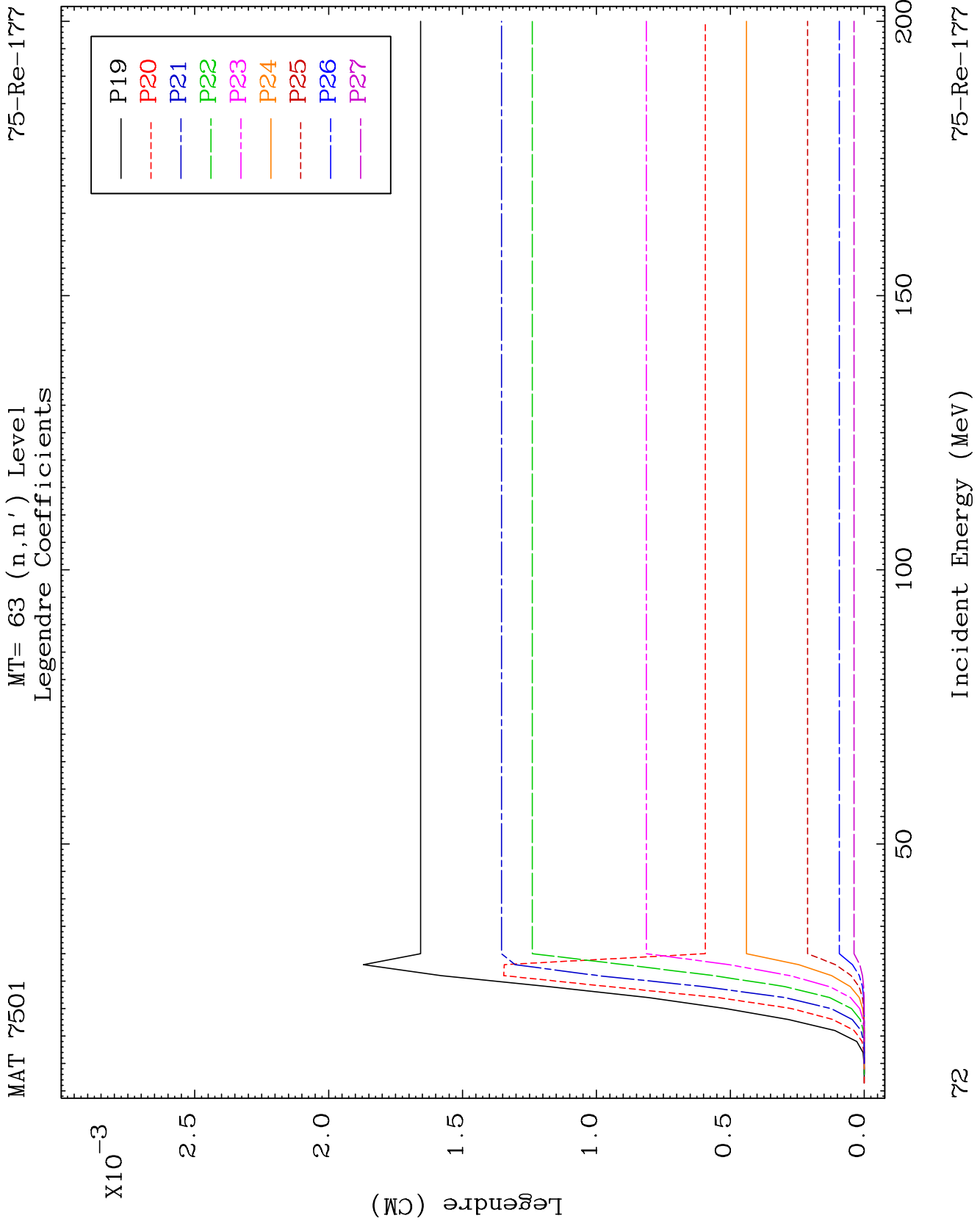
75-Re-177



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Incident Energy (MeV)

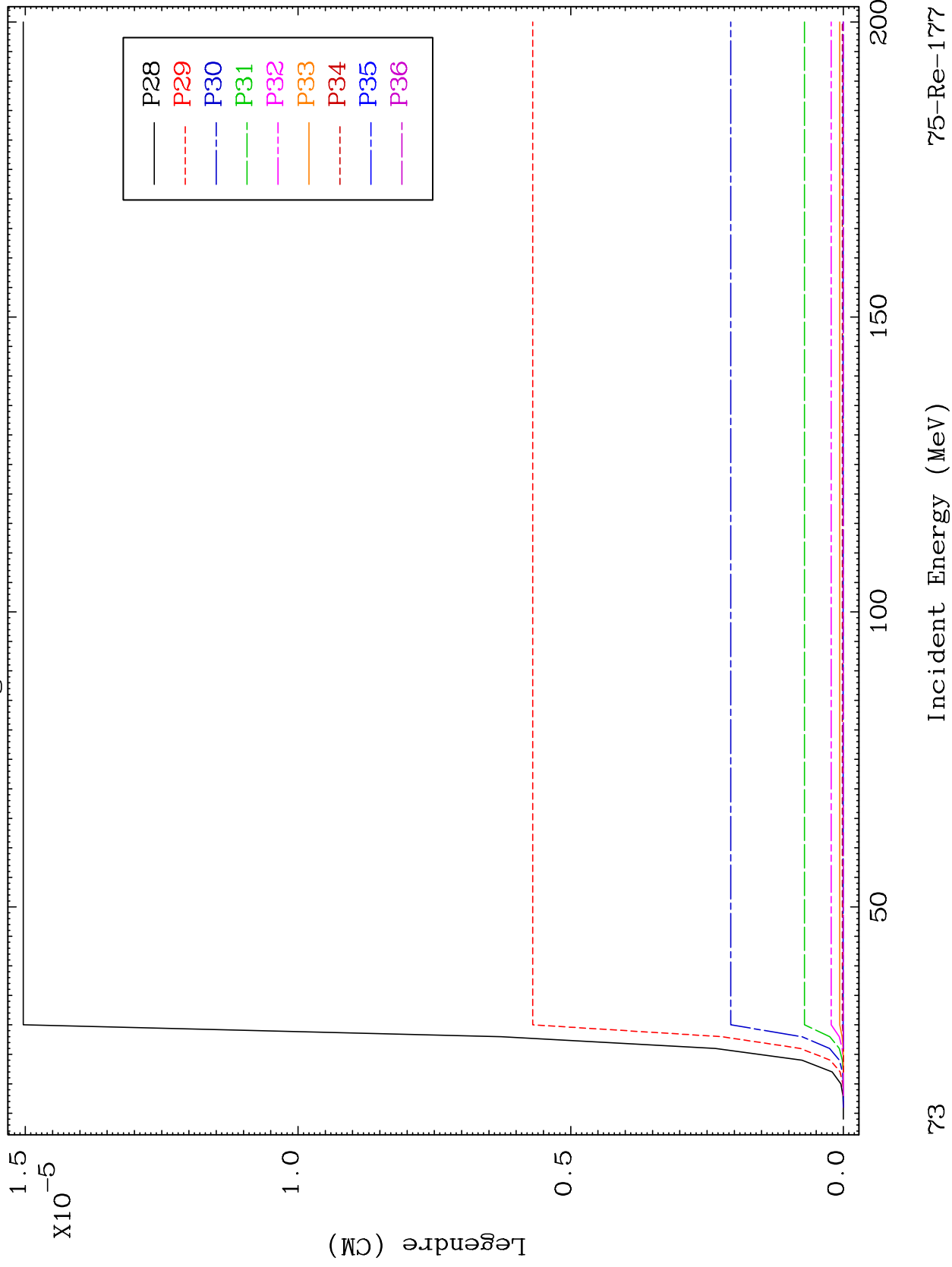
75-Re-177



MAT 7501

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

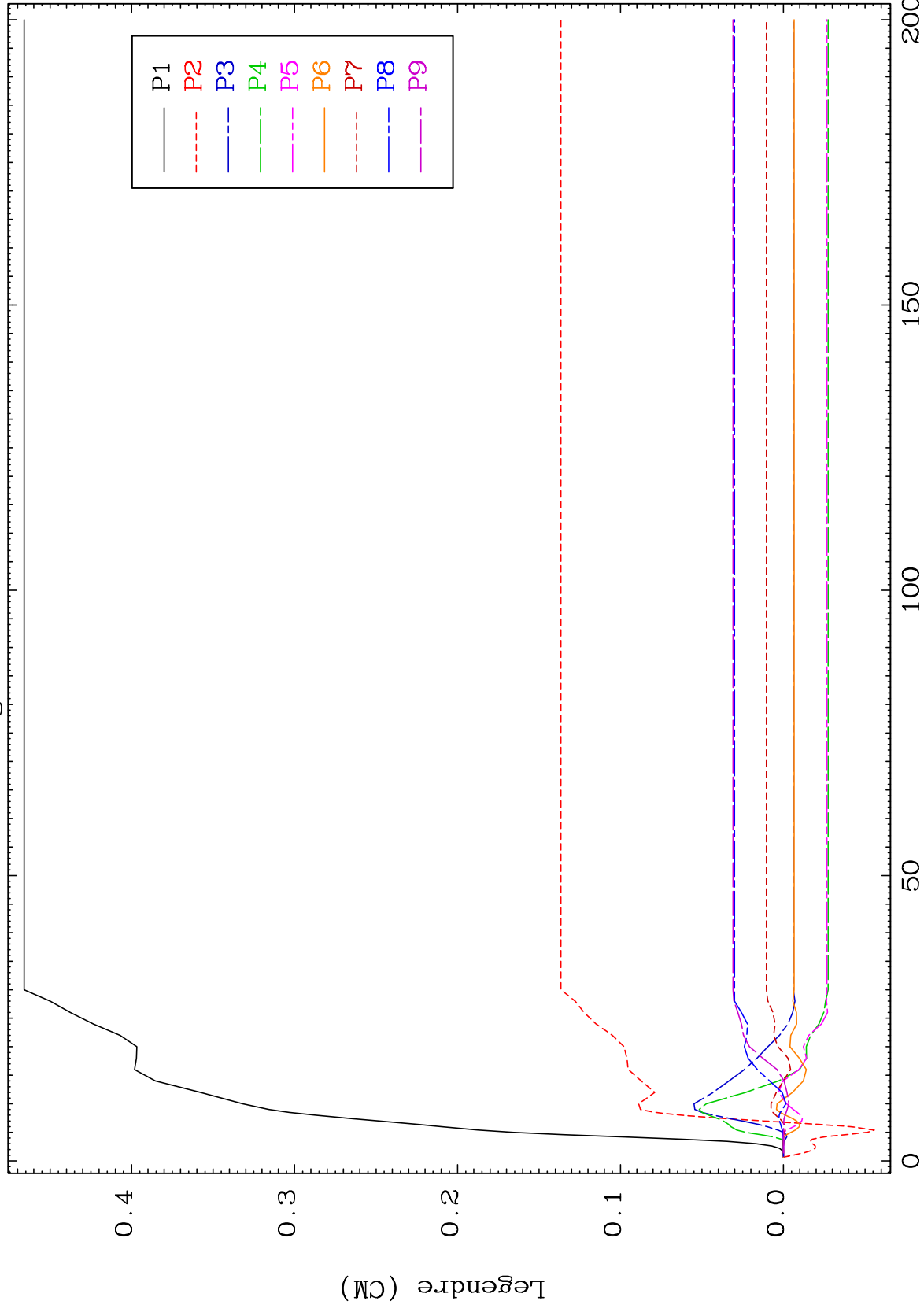
75-Re-177



MAT 7501

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

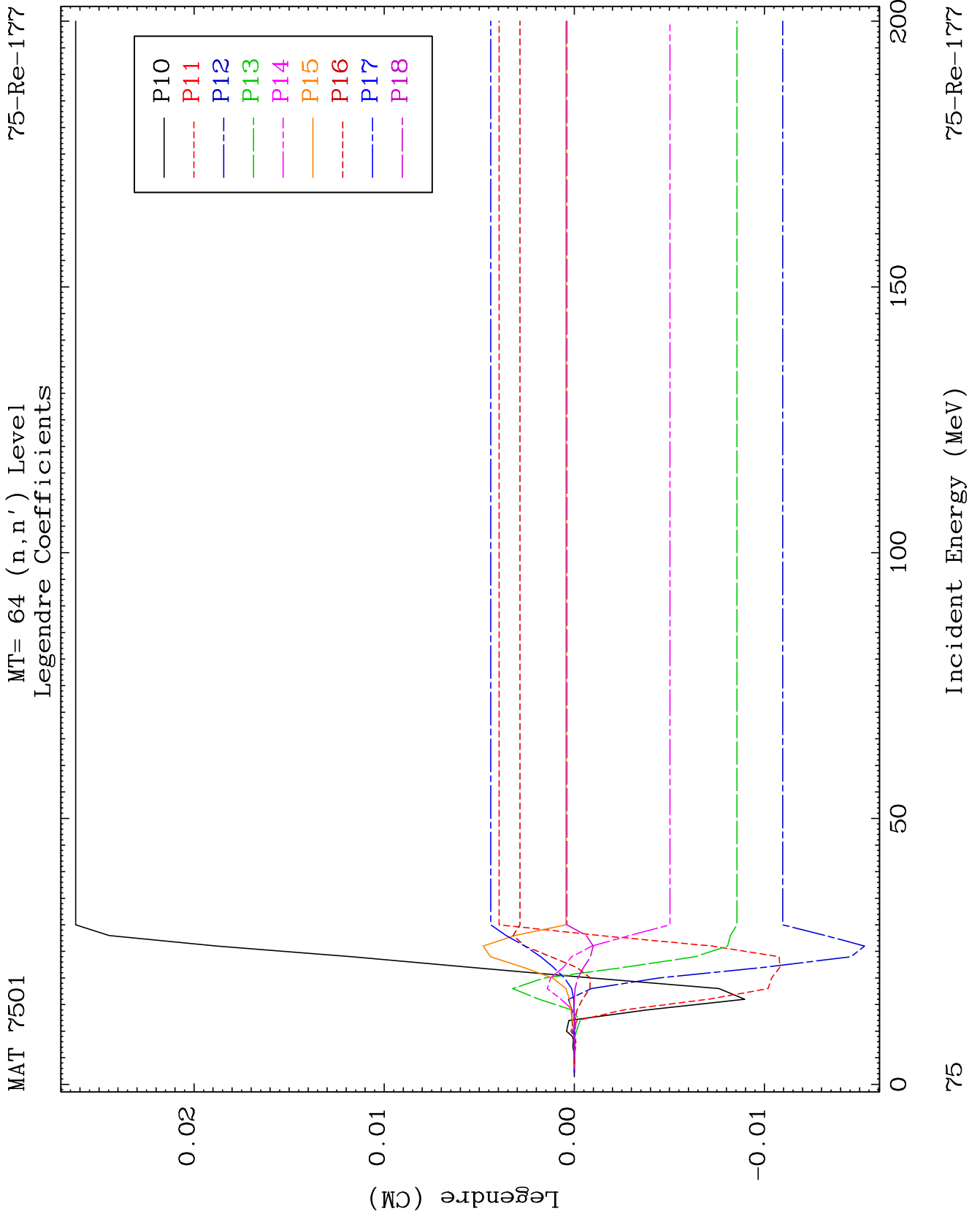
75-Re-177



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Incident Energy (MeV)

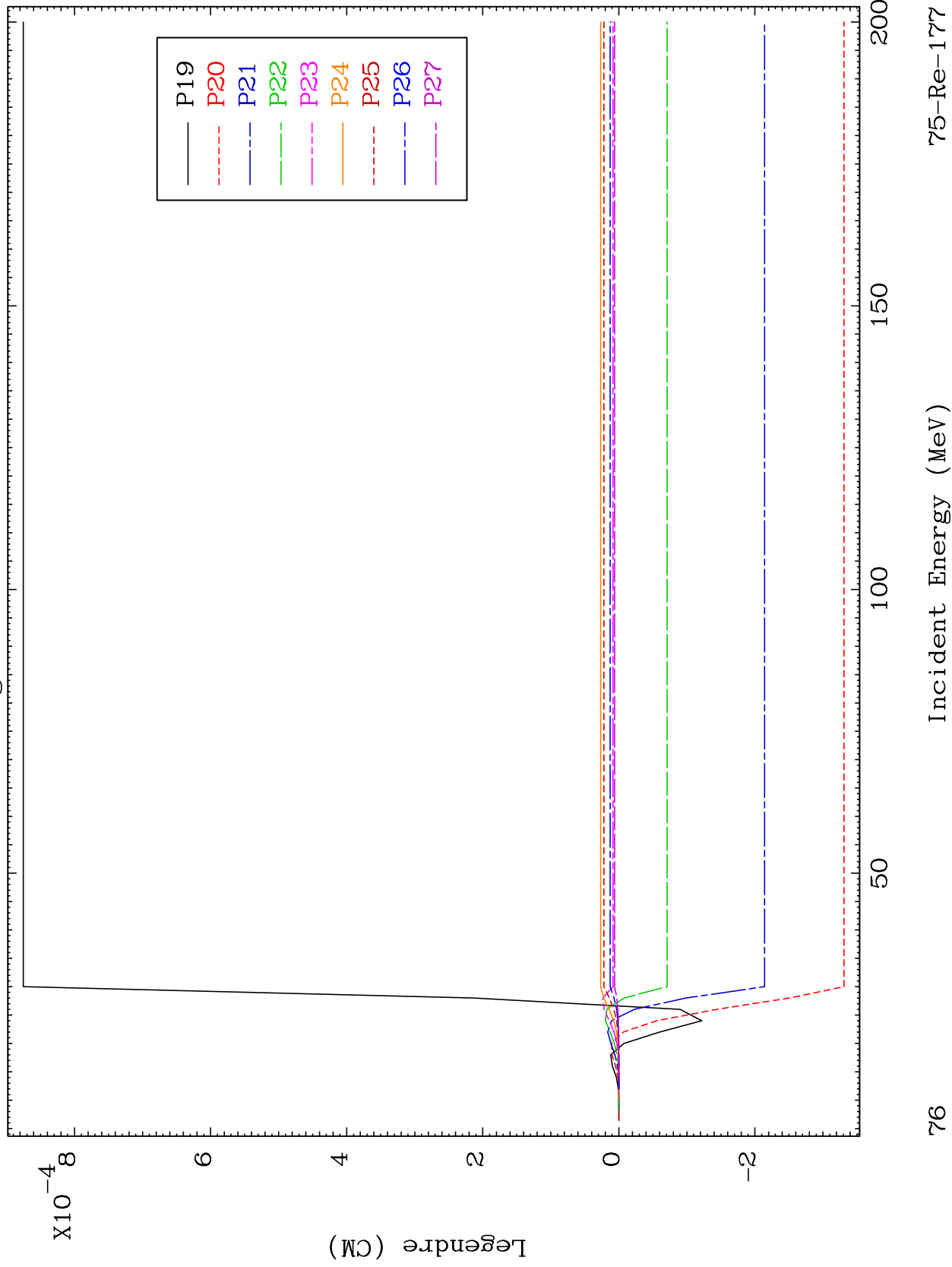
75-Re-177



MAT 7501

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

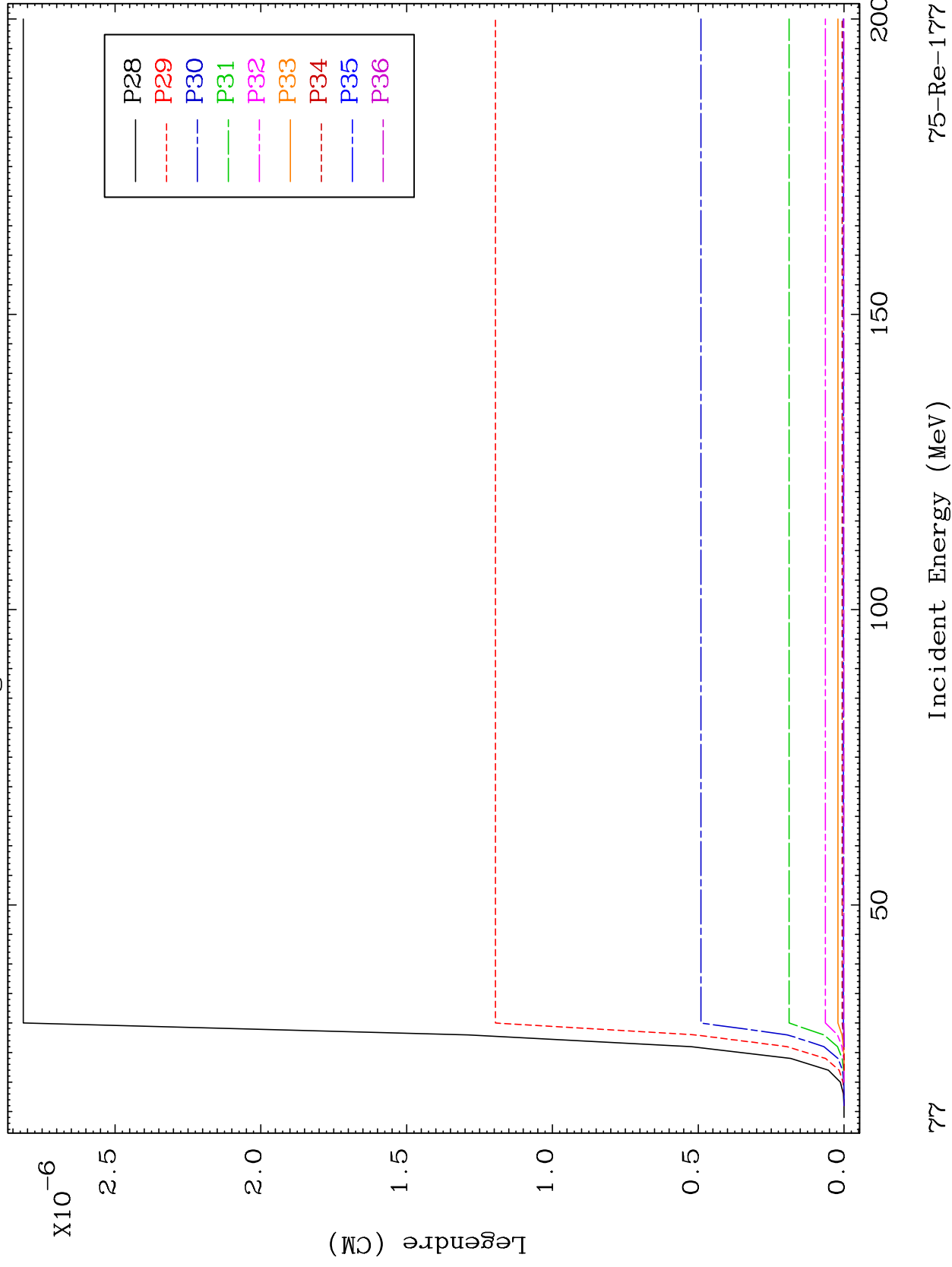
75-Re-177



MAT 7501

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

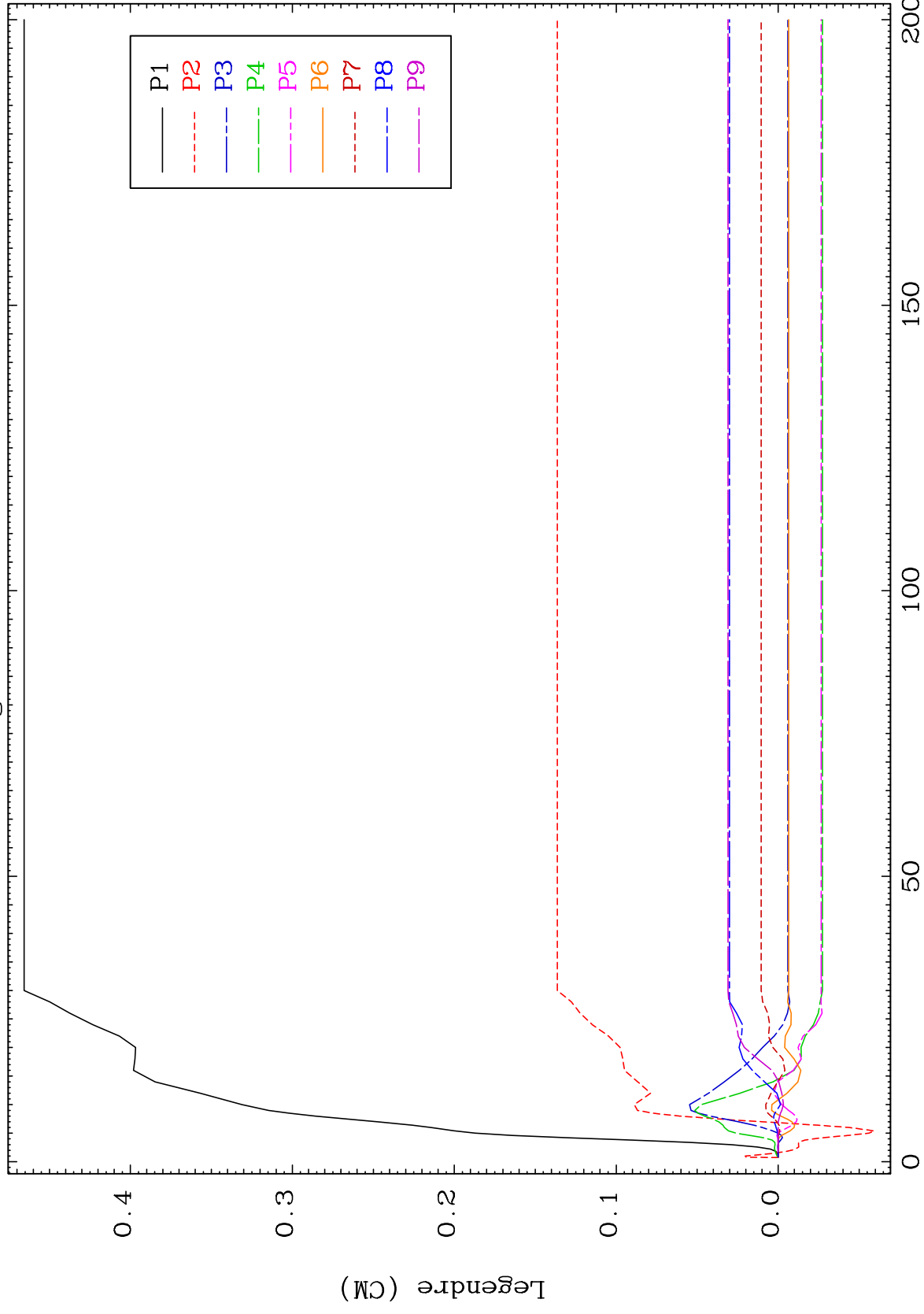
75-Re-177



MAT 7501

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

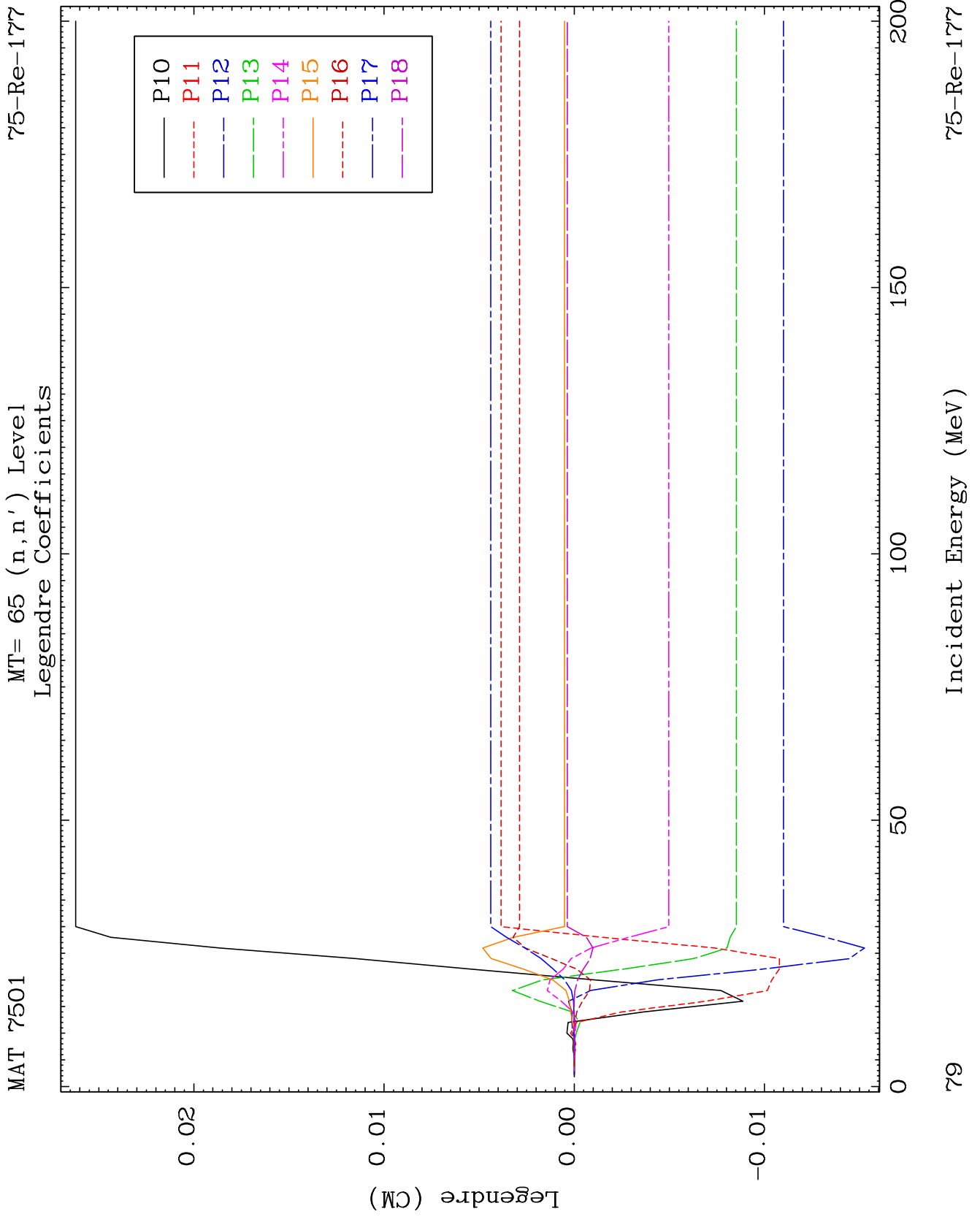
75-Re-177

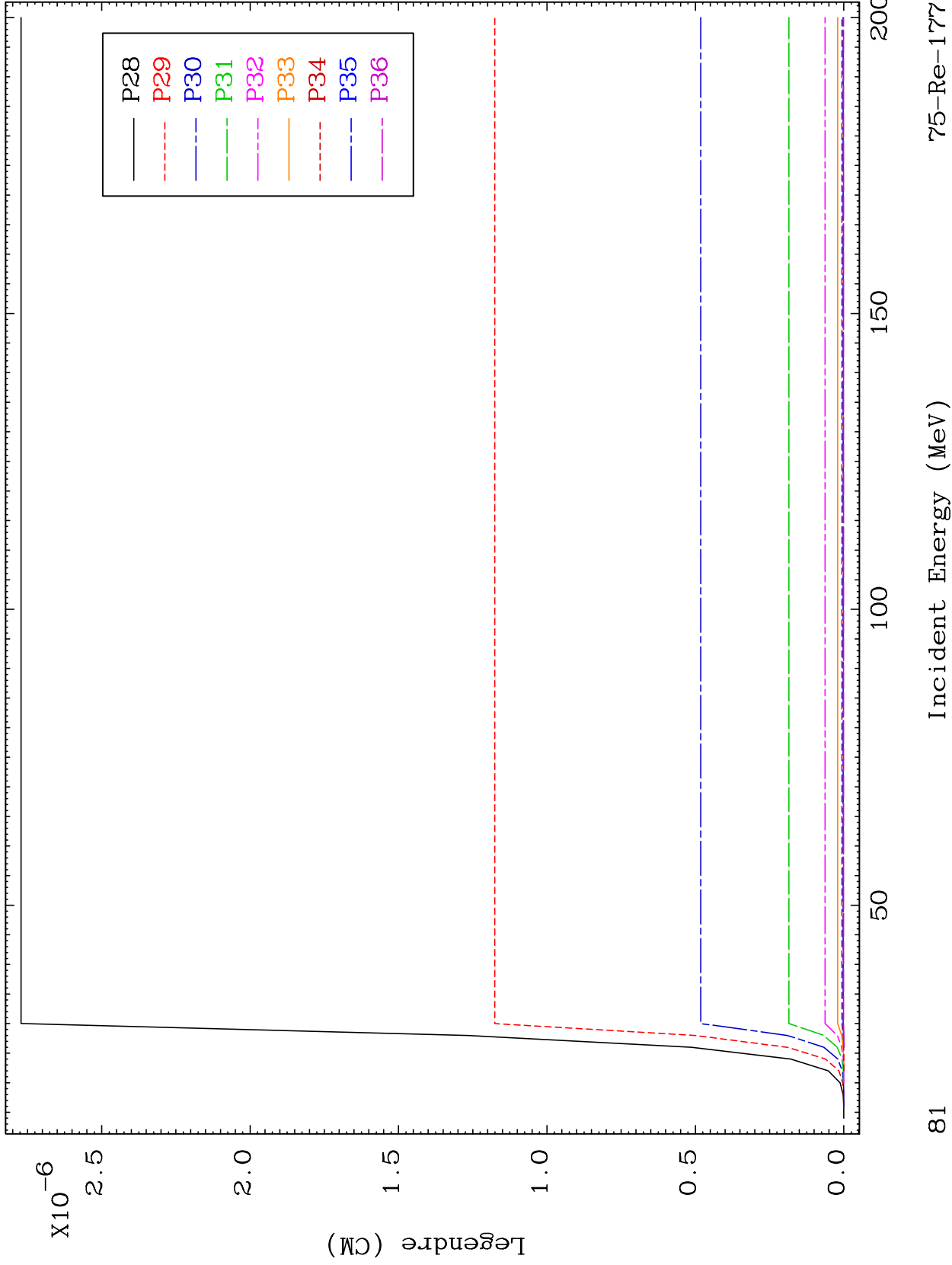


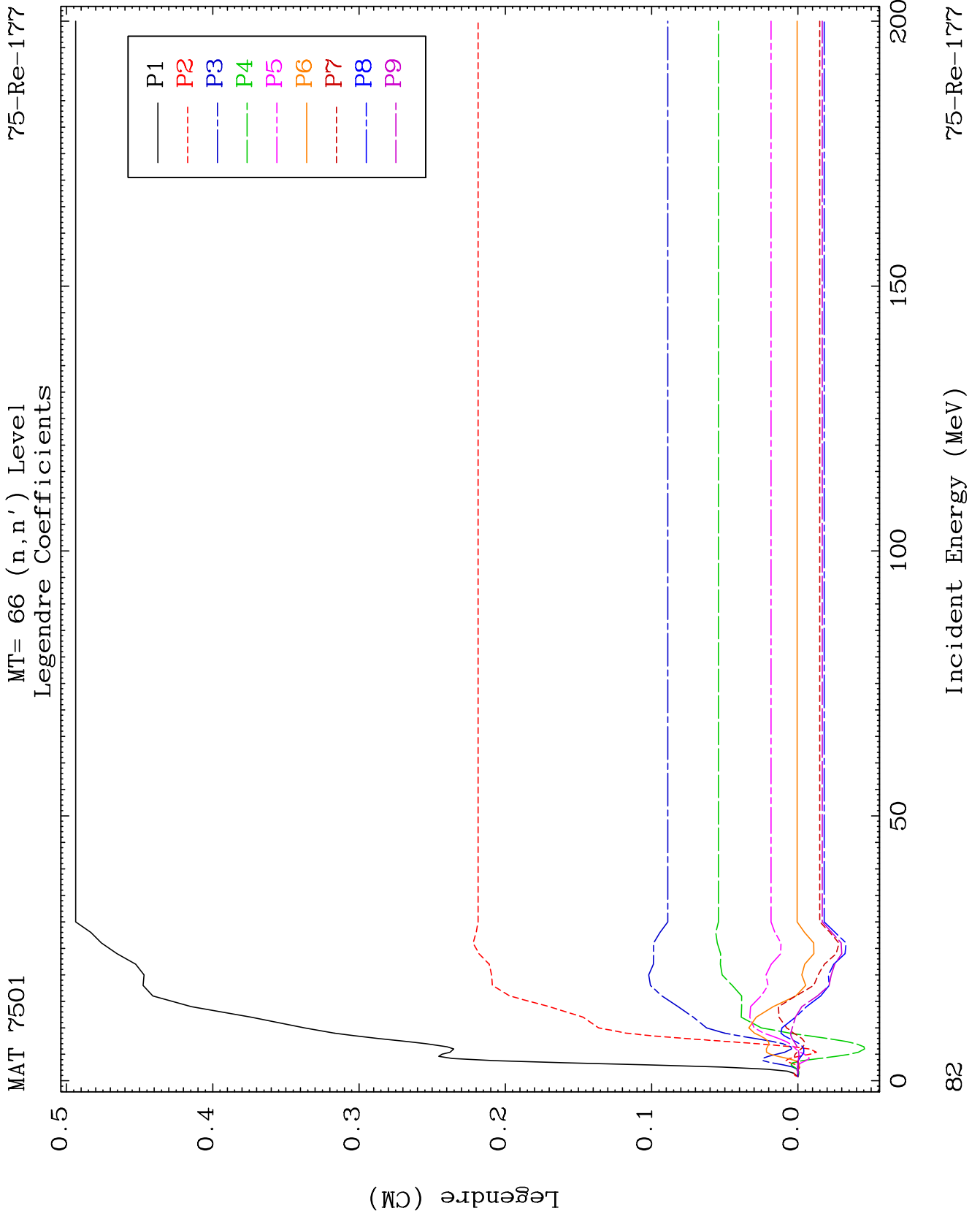
78

Incident Energy (MeV)

75-Re-177



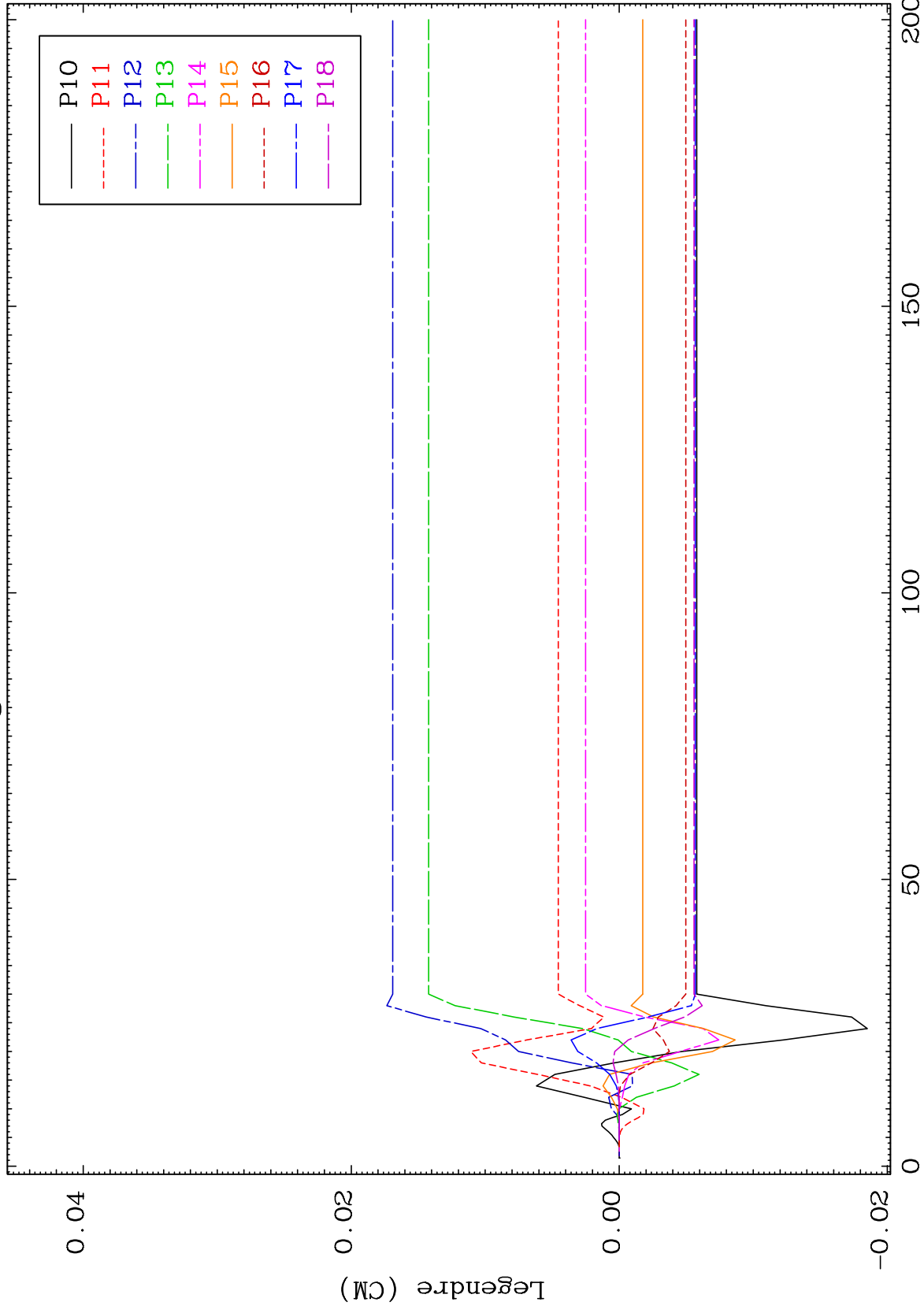




MAT 7501

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

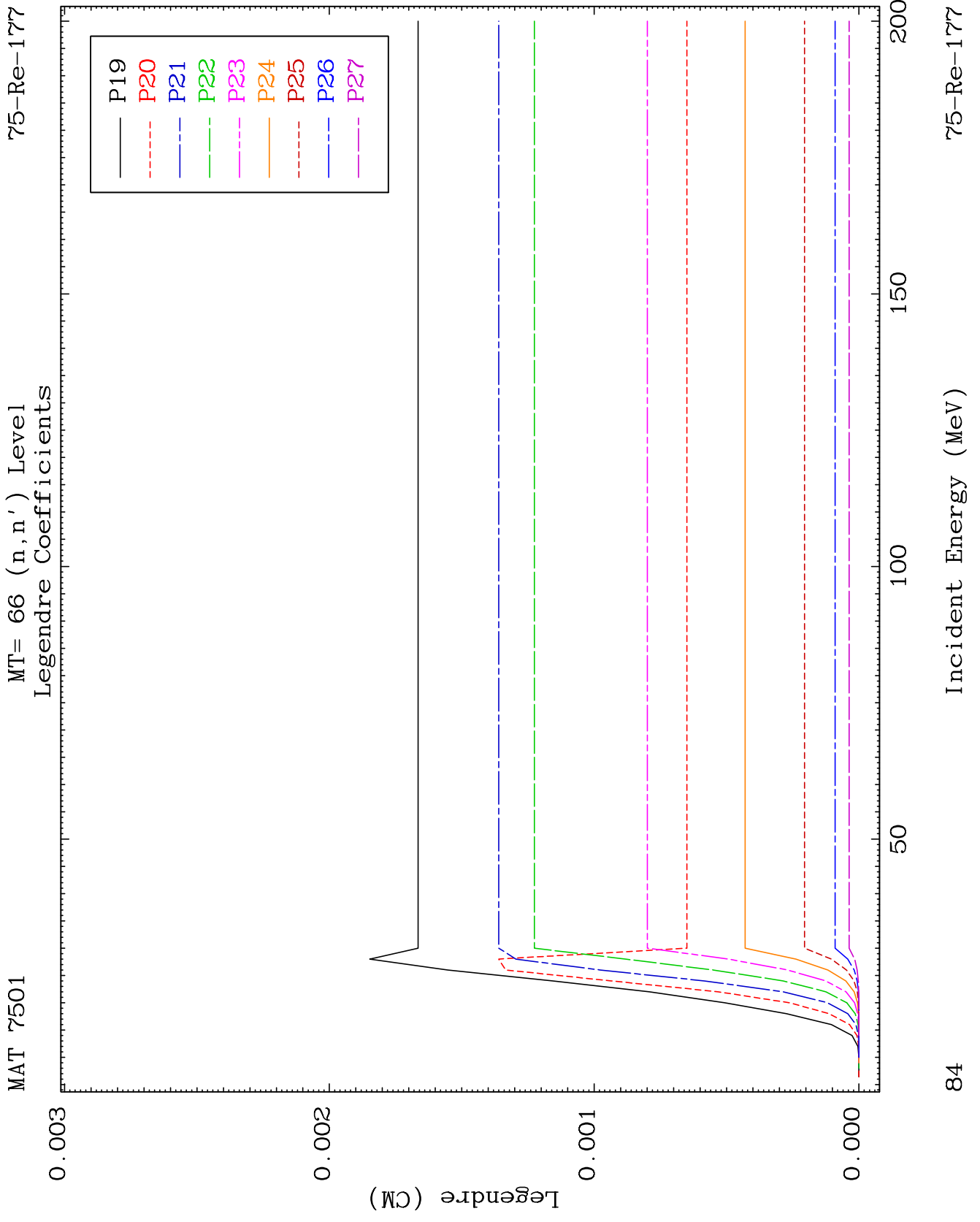
75-Re-177



83

Incident Energy (MeV)

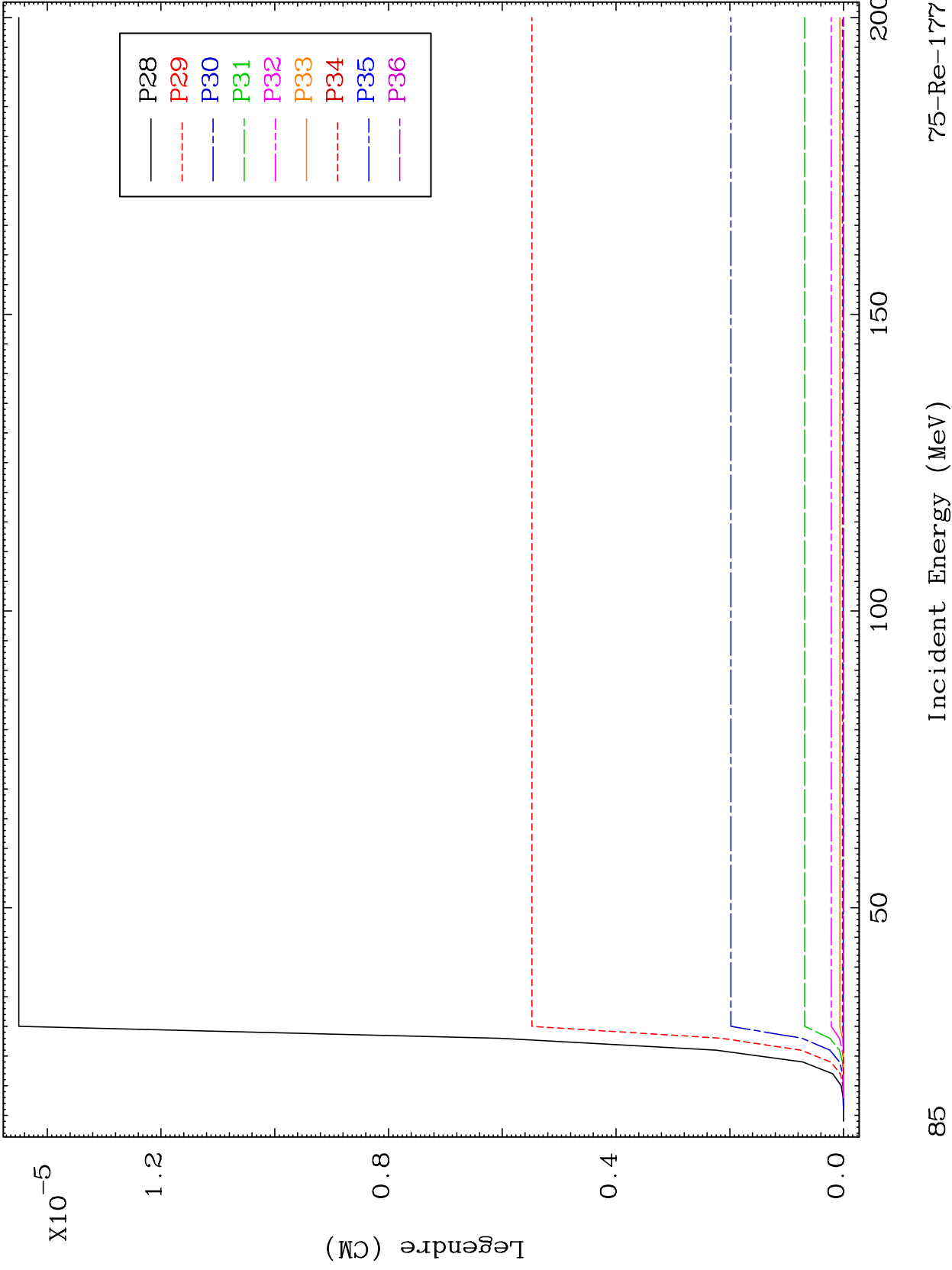
75-Re-177



MAT 7501

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

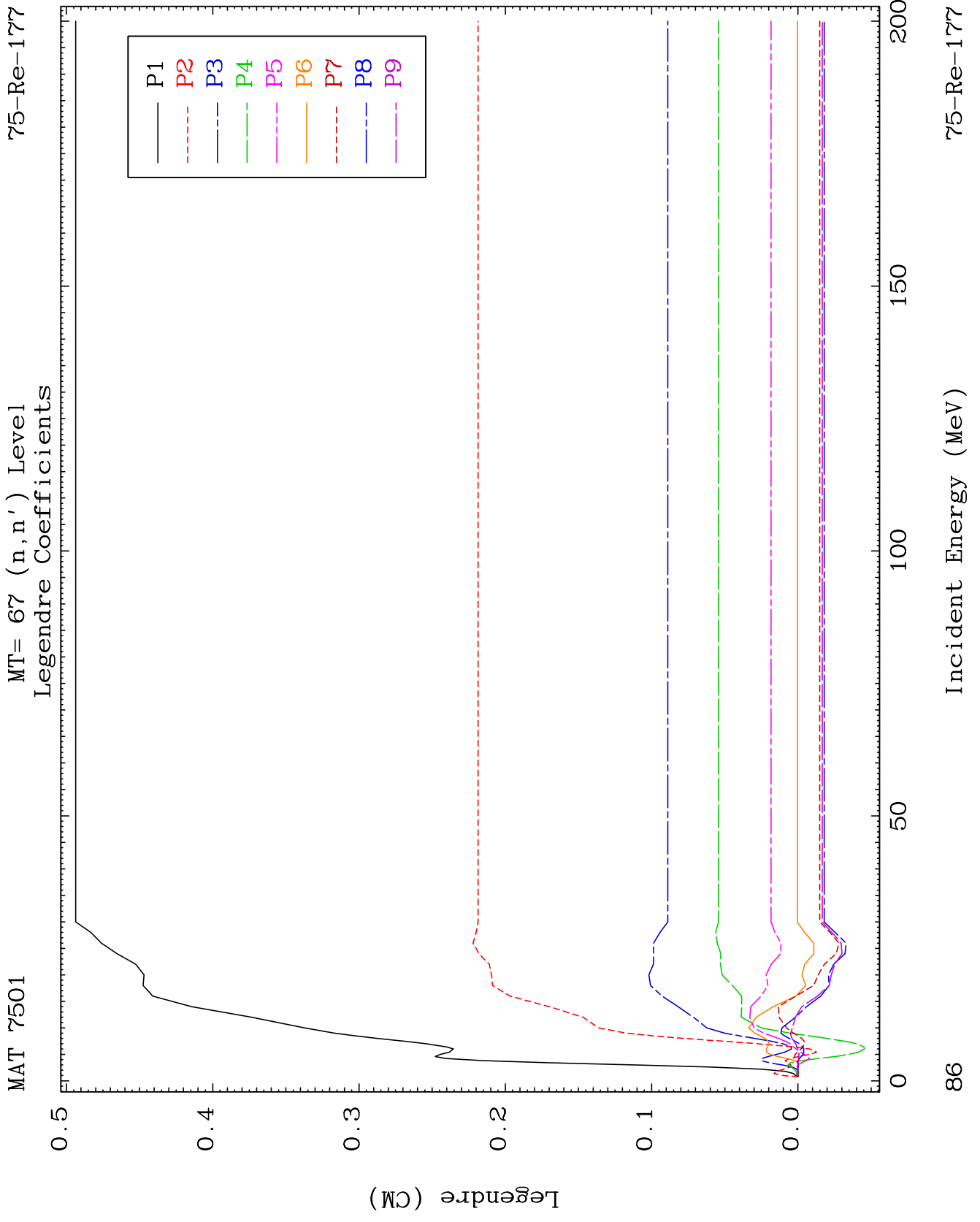
75-Re-177

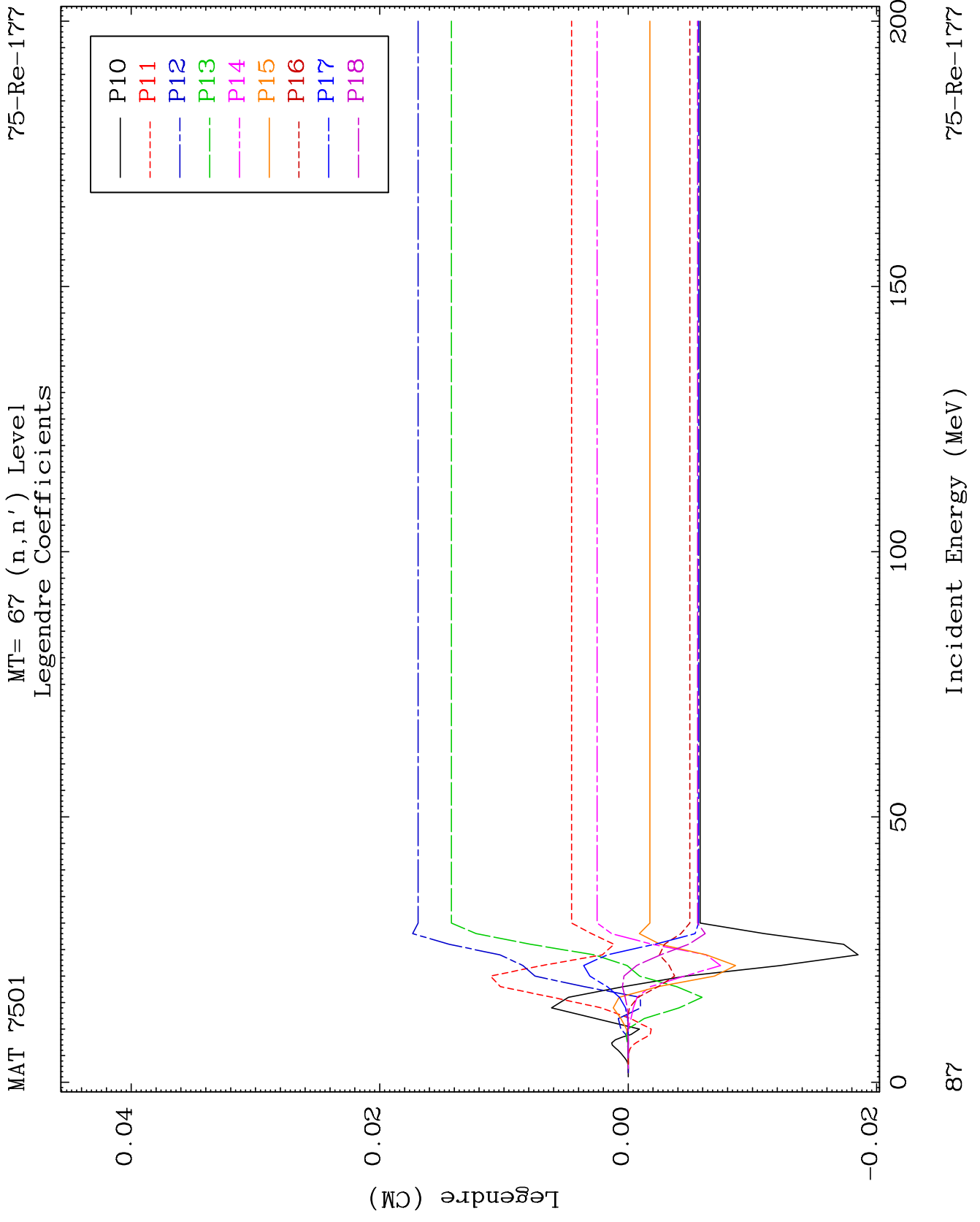


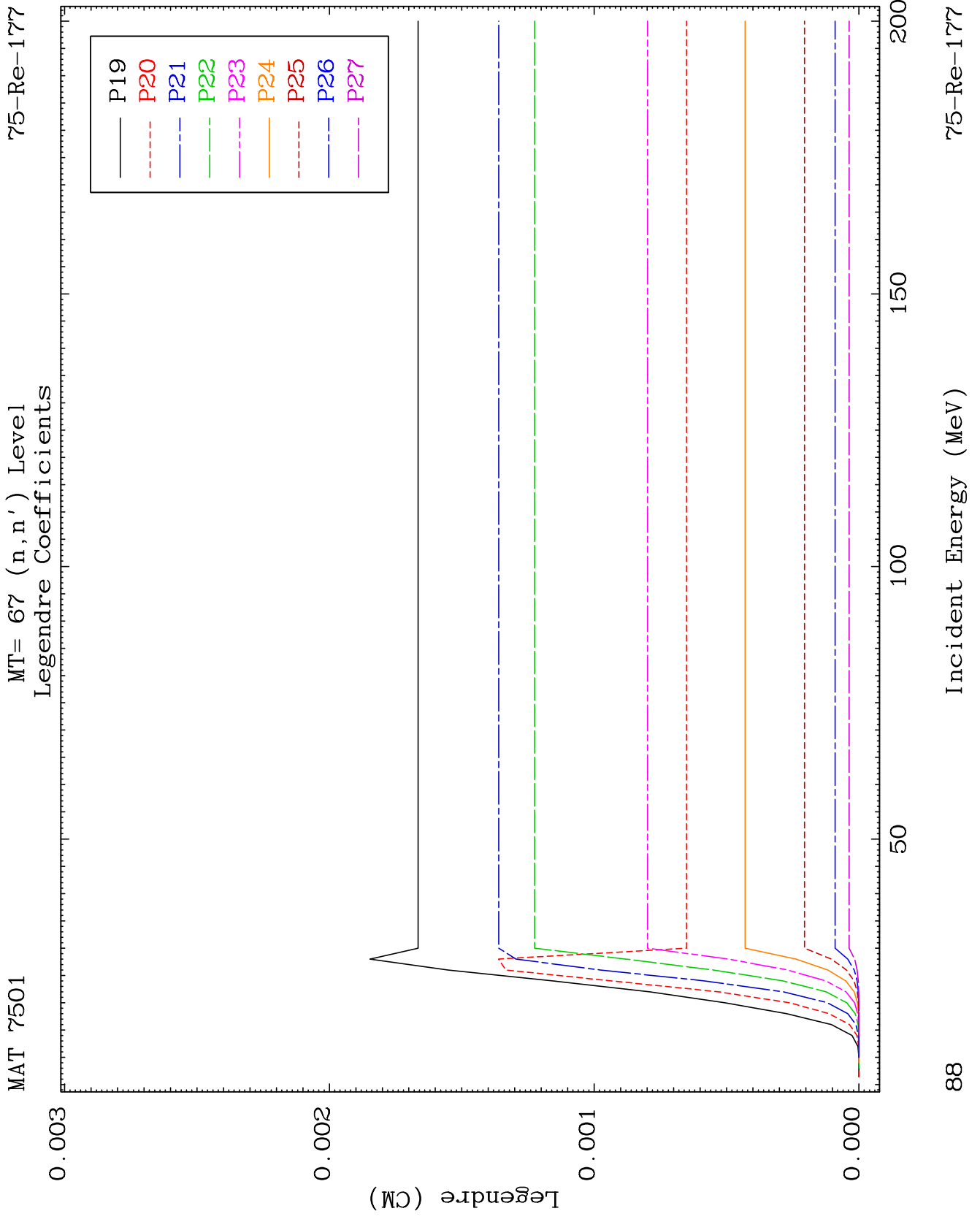
85

Incident Energy (MeV)

75-Re-177



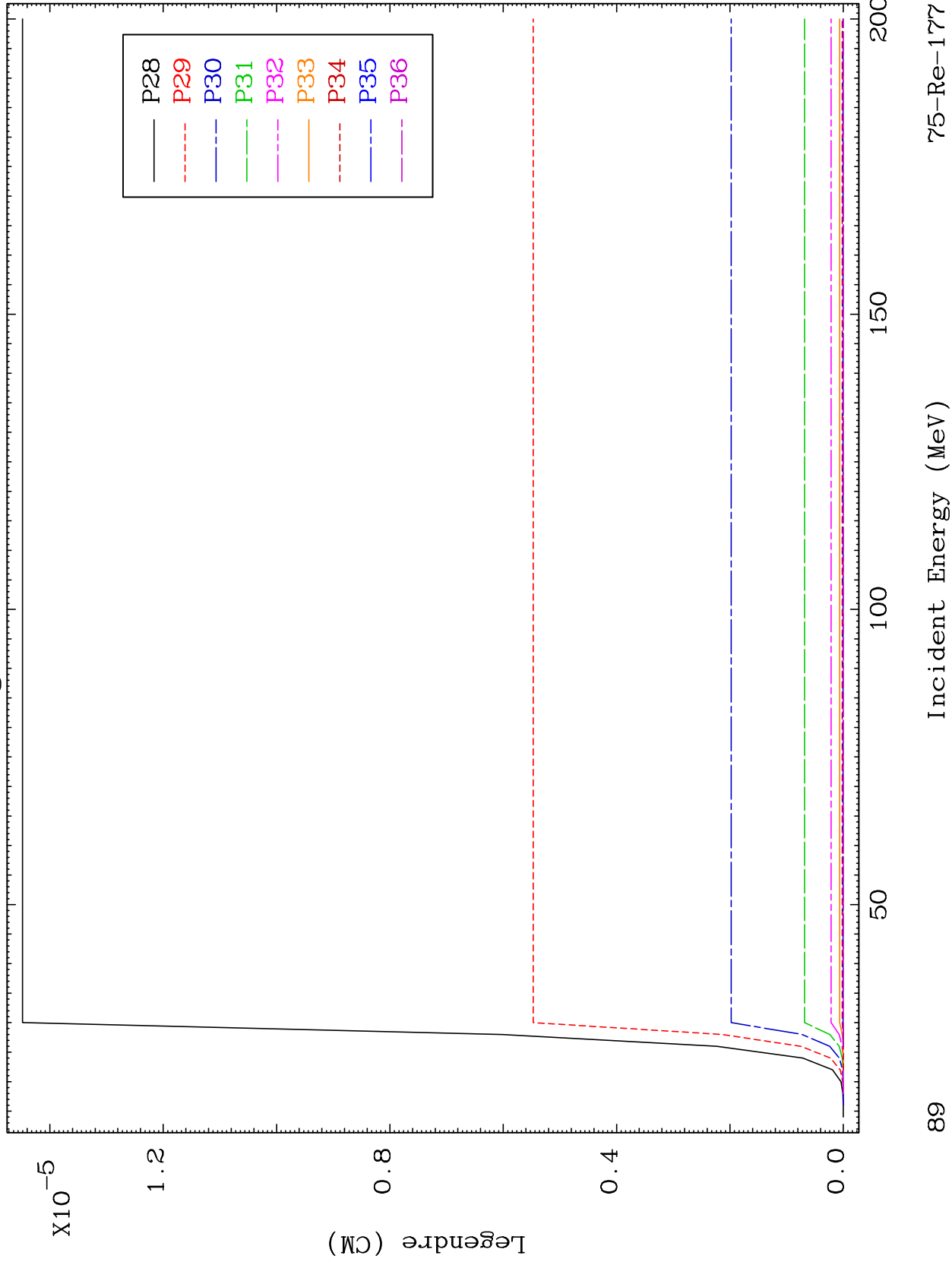


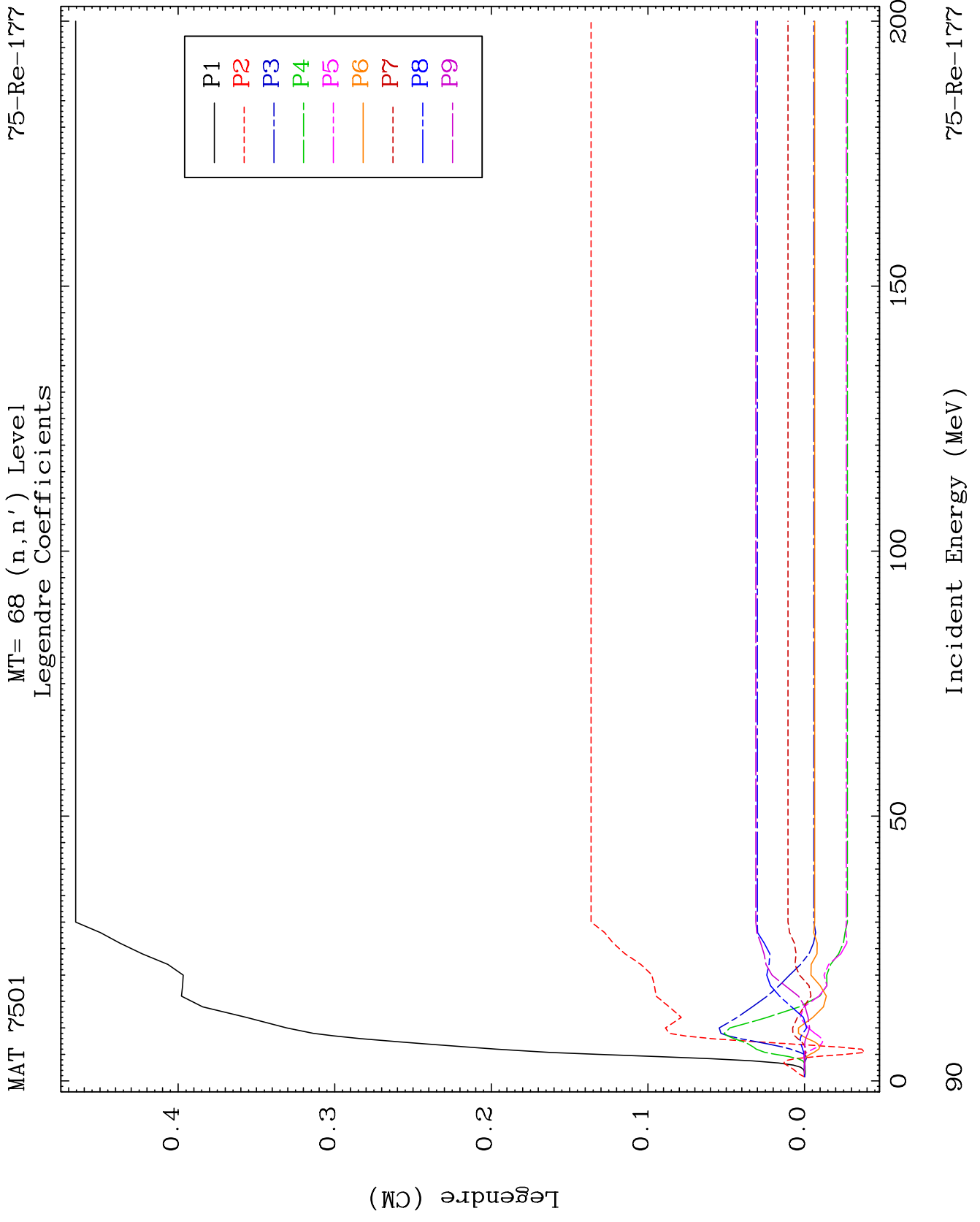


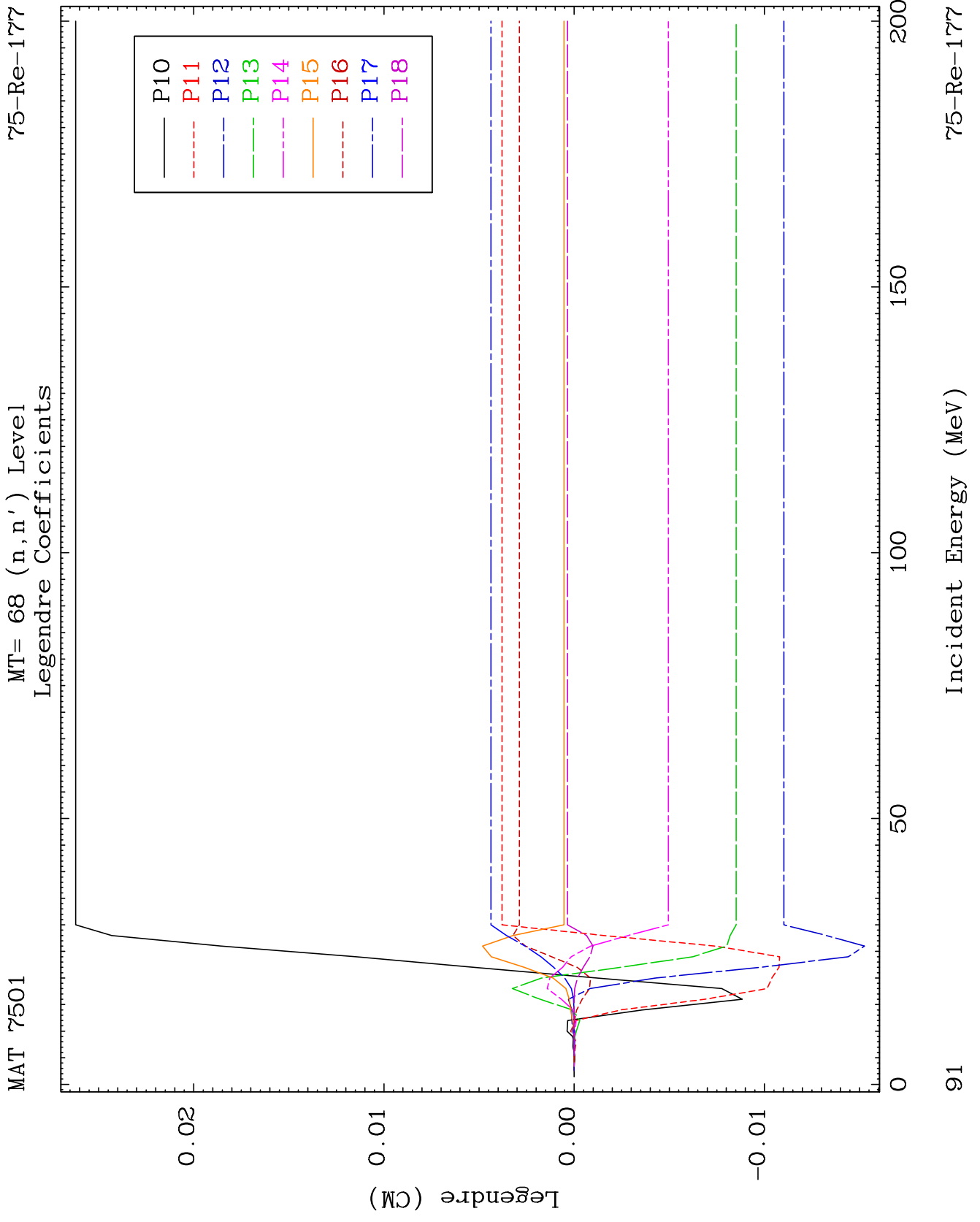
MAT 7501

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

75-Re-177



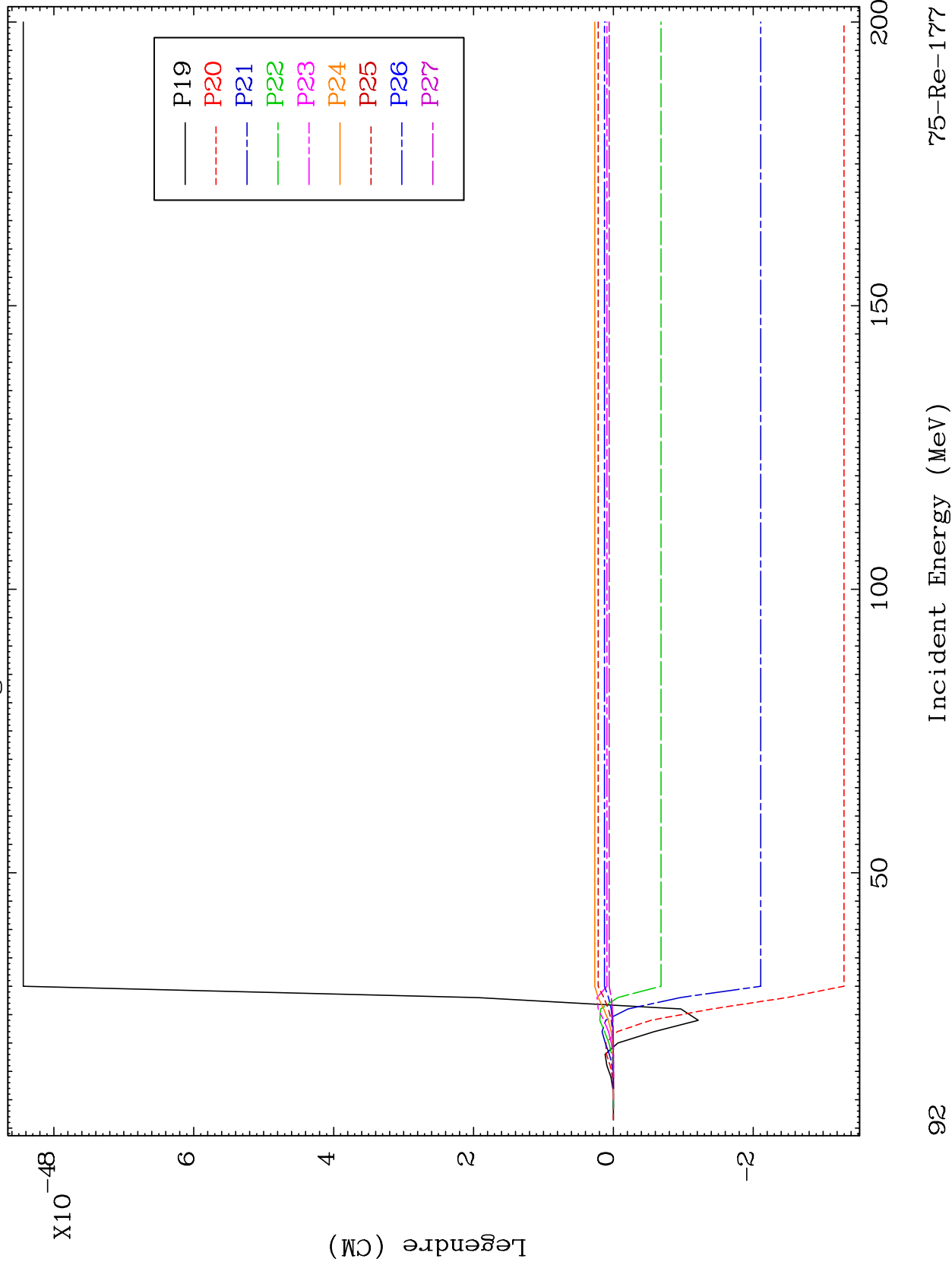


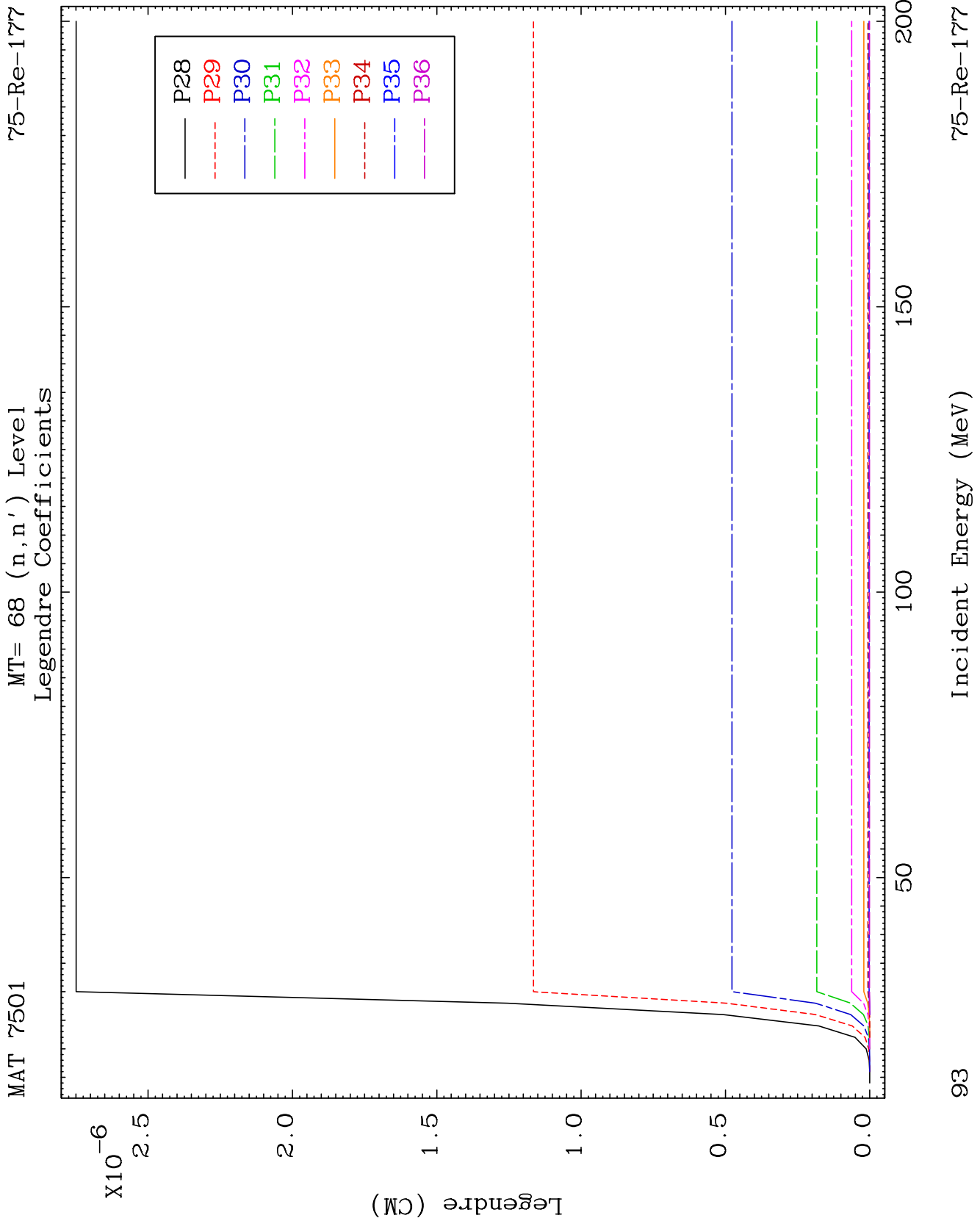


MAT 7501

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

75-Re-177

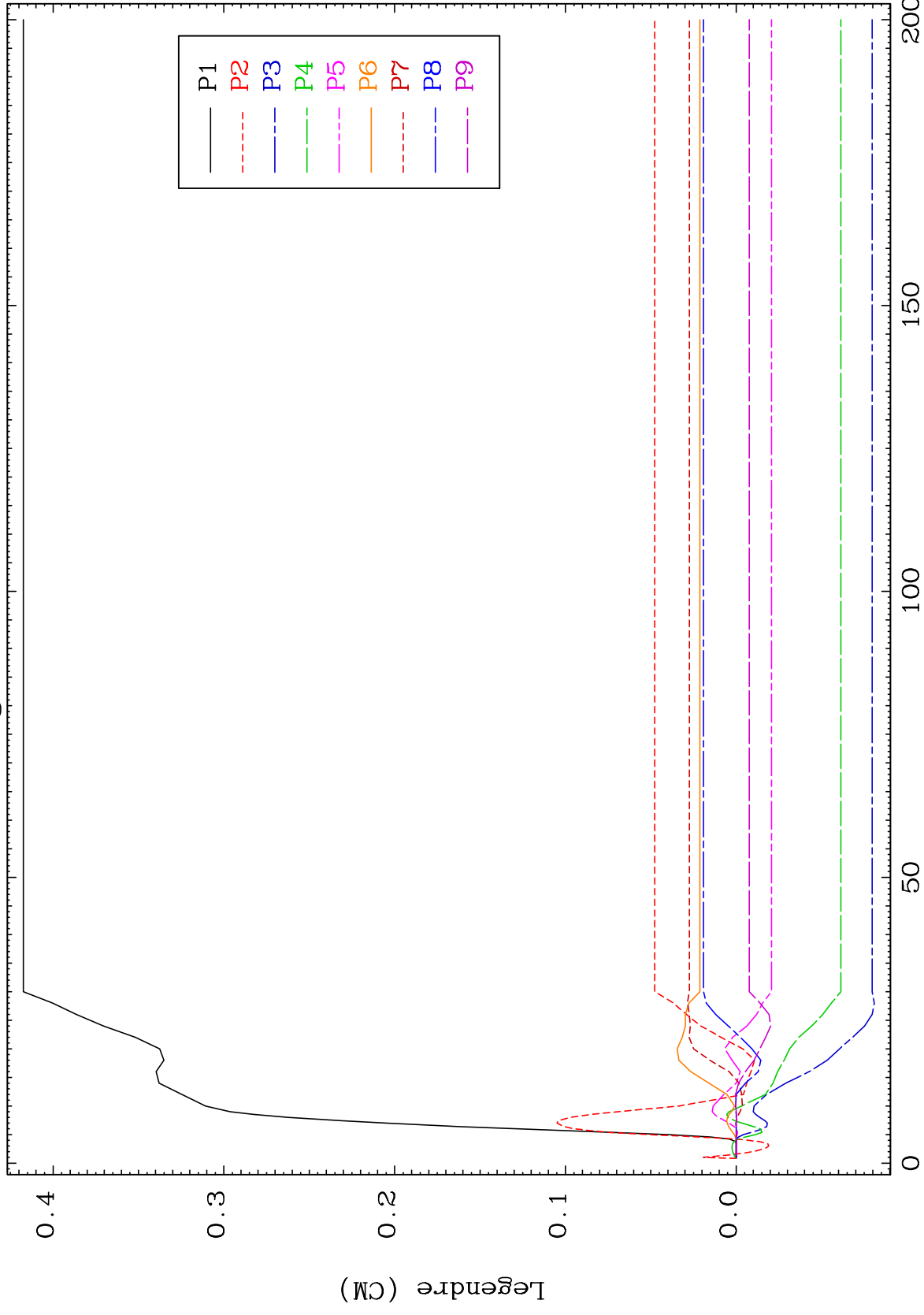




MAT 7501

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

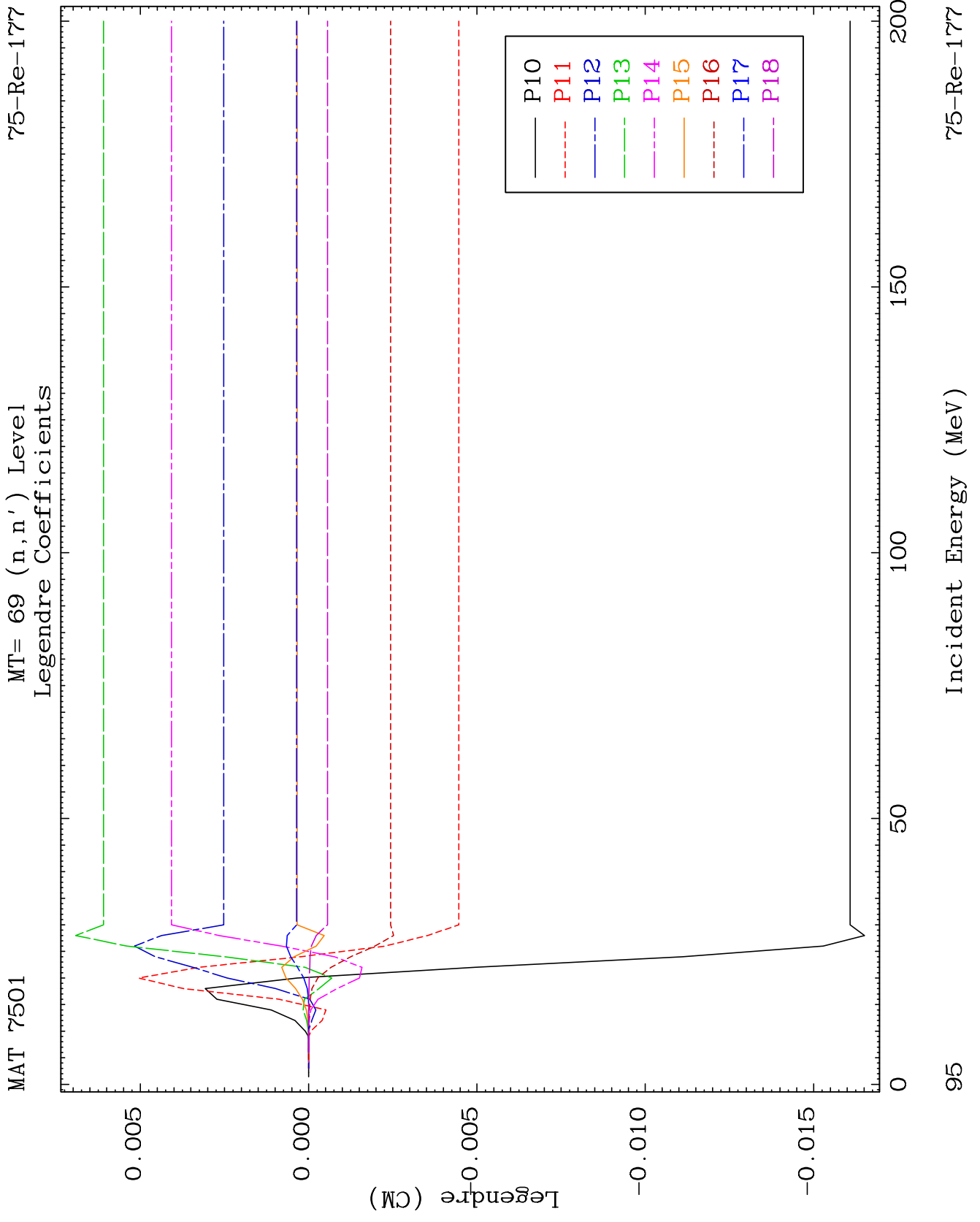
75-Re-177



94

Incident Energy (MeV)

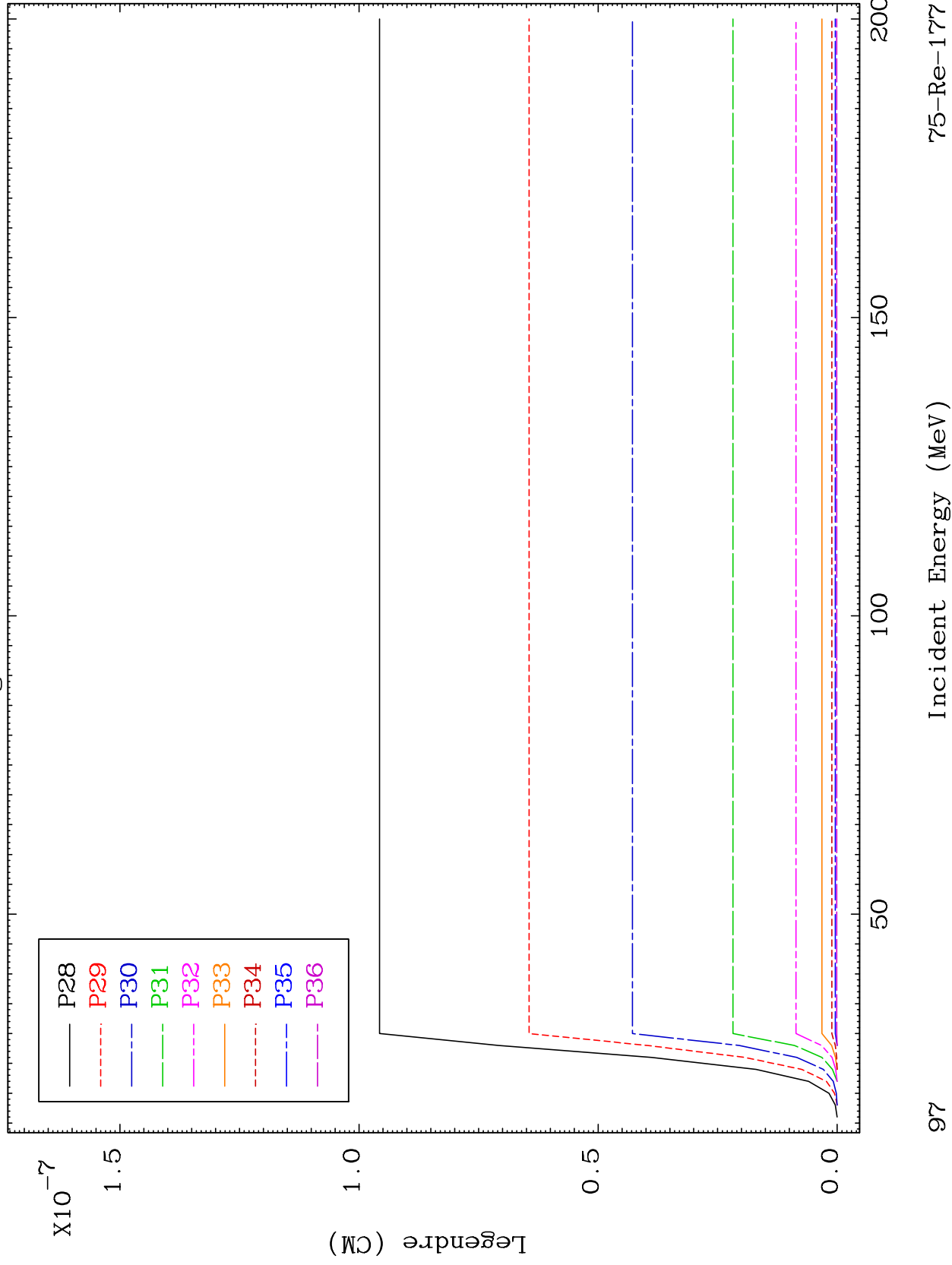
75-Re-177

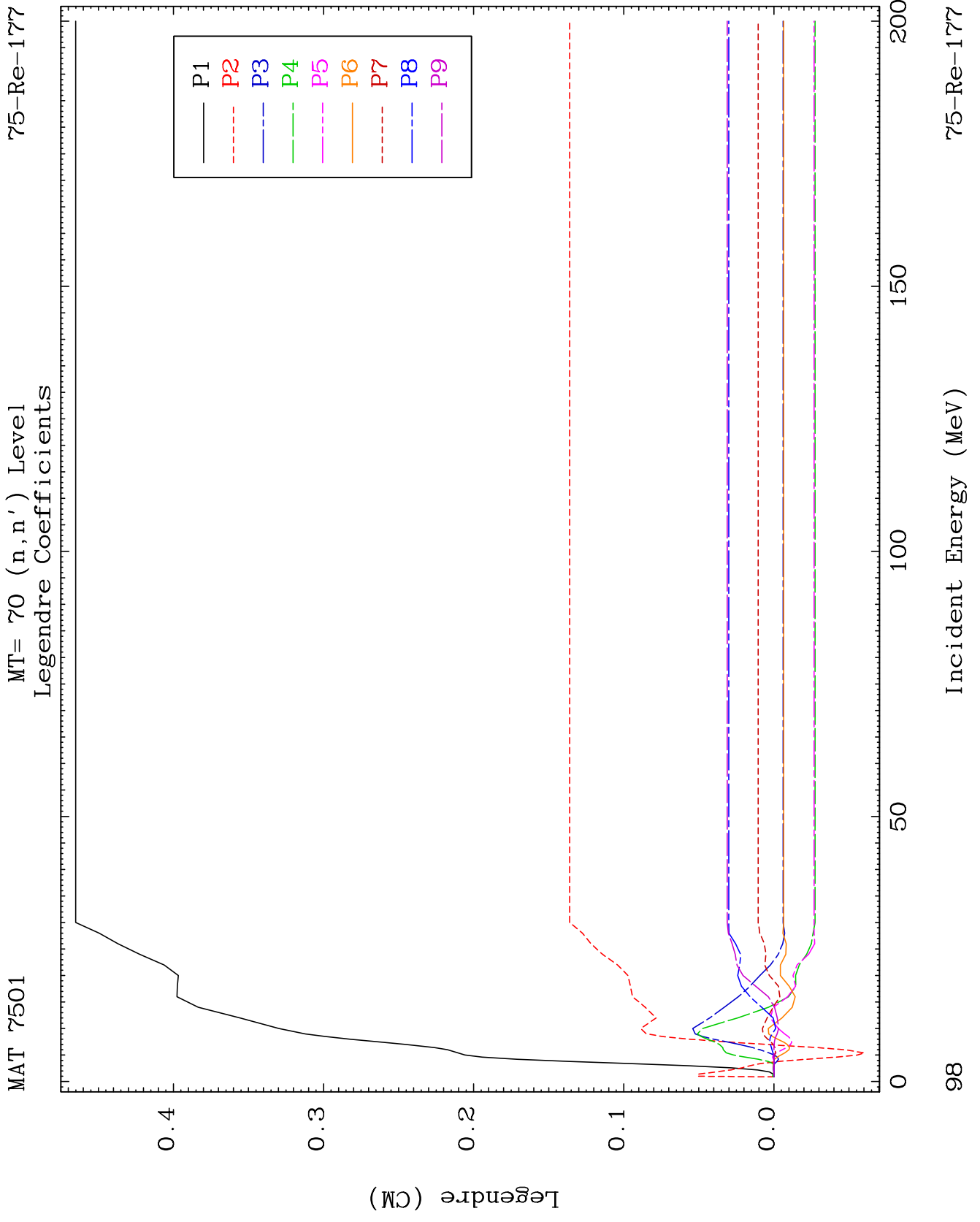


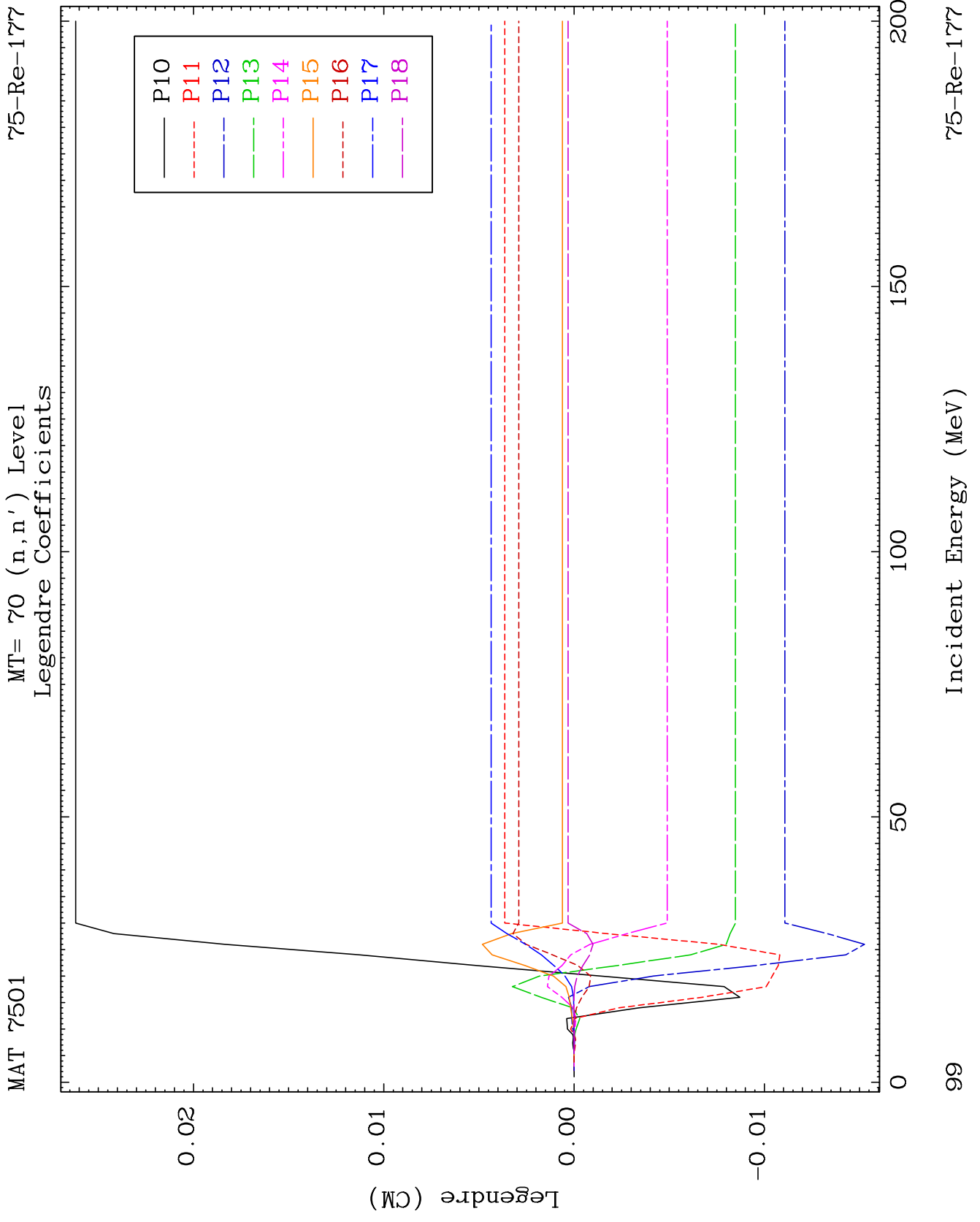
MAT 7501

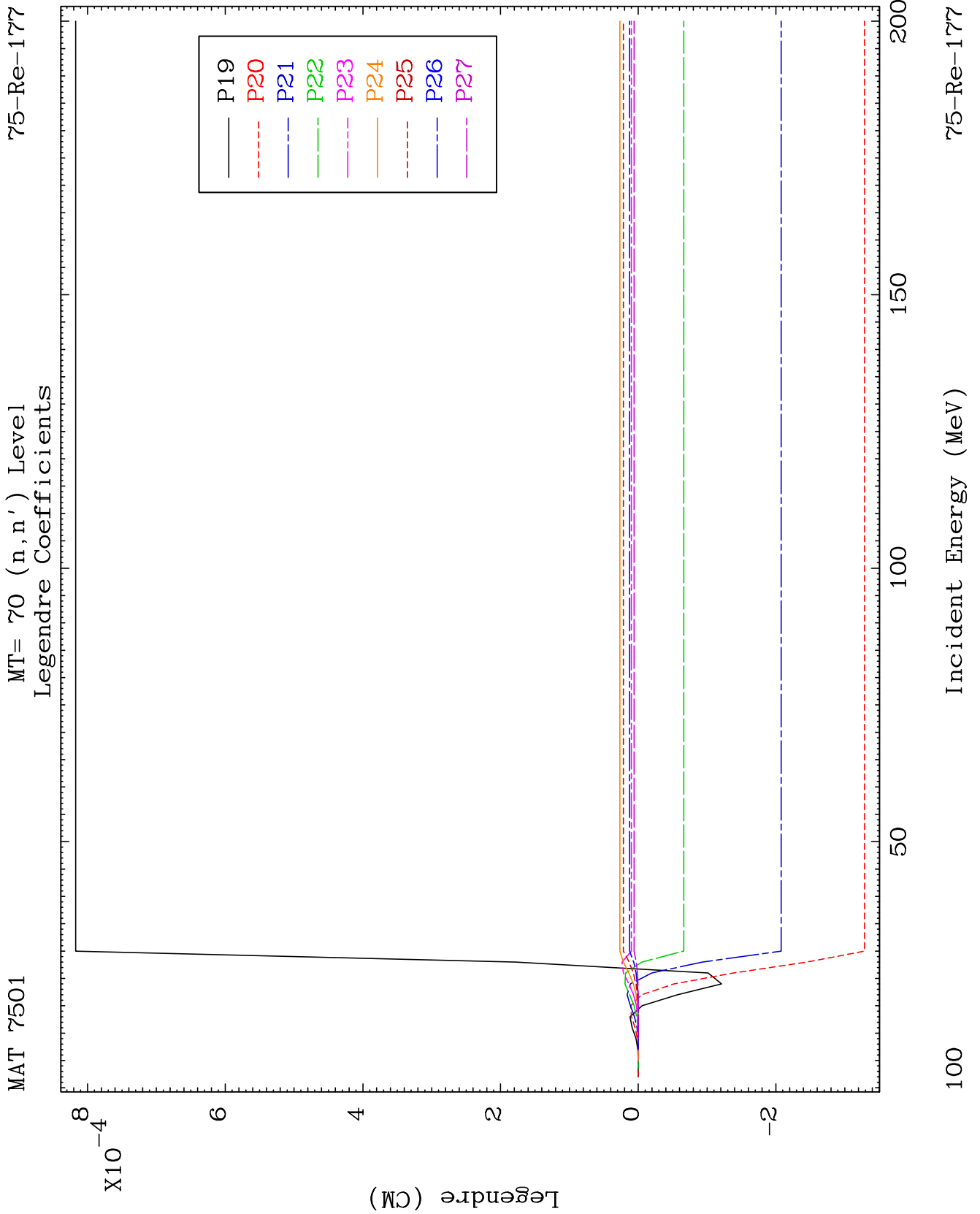
MT= 69 (n,n') Level
Legendre Coefficients

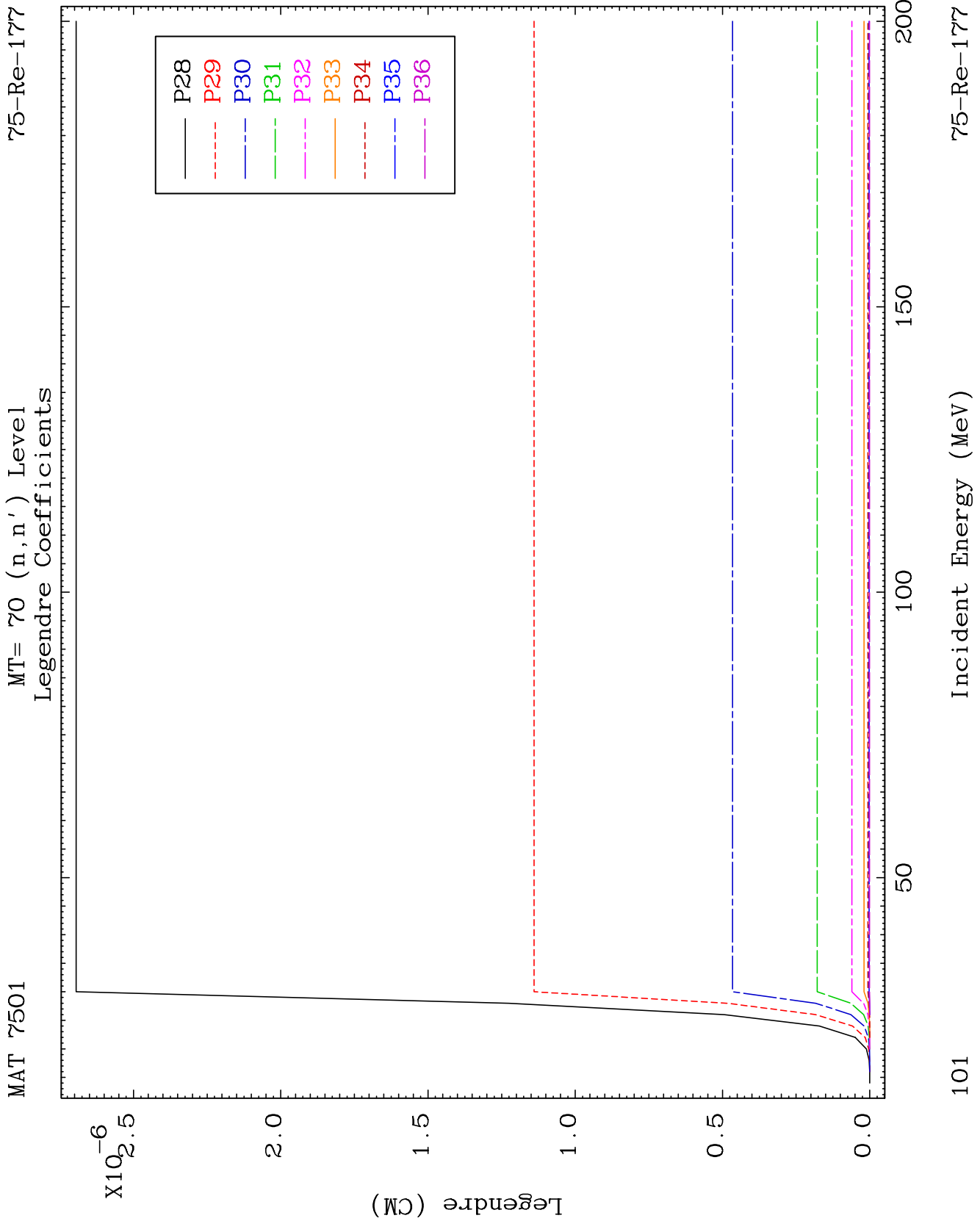
75-Re-177

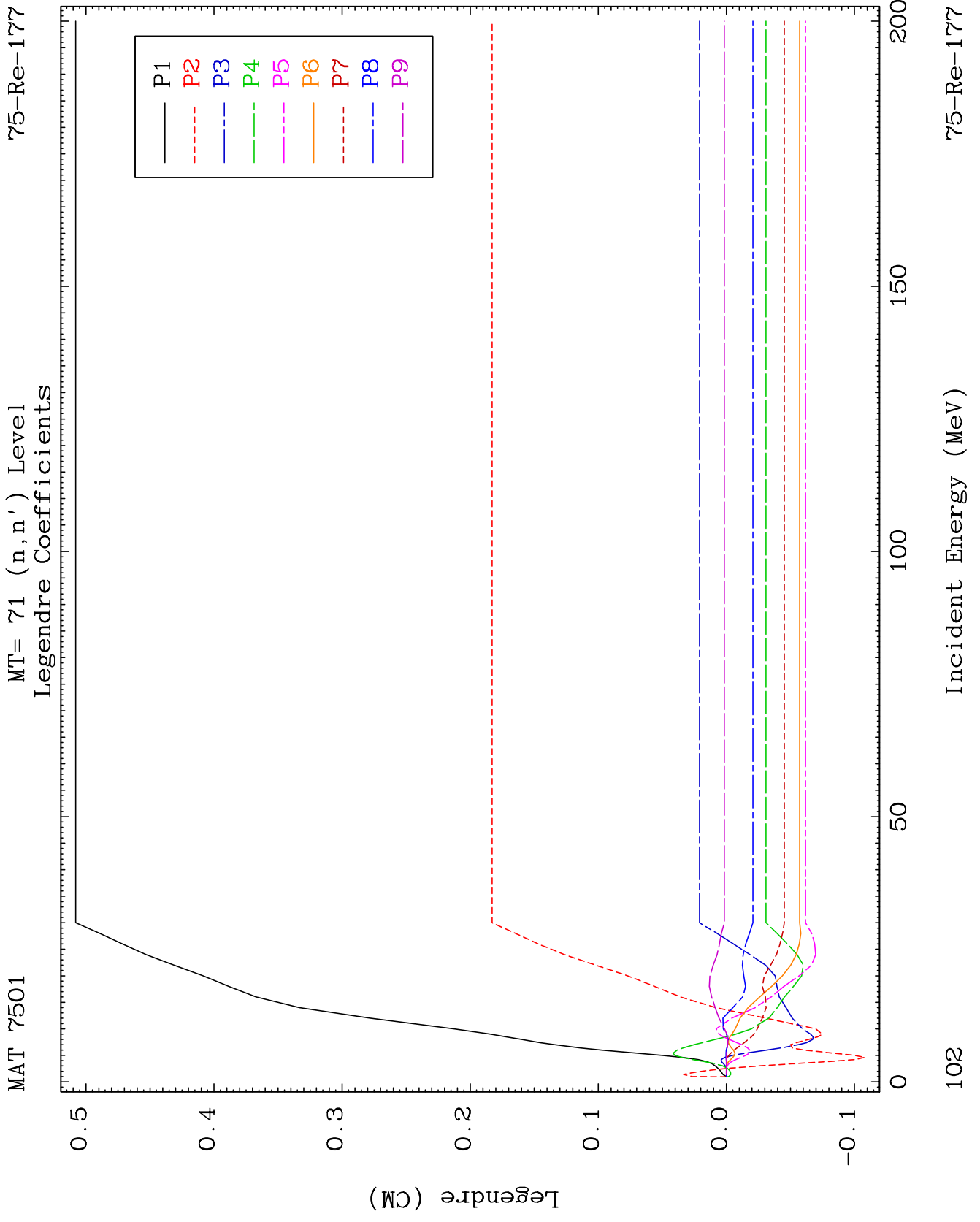


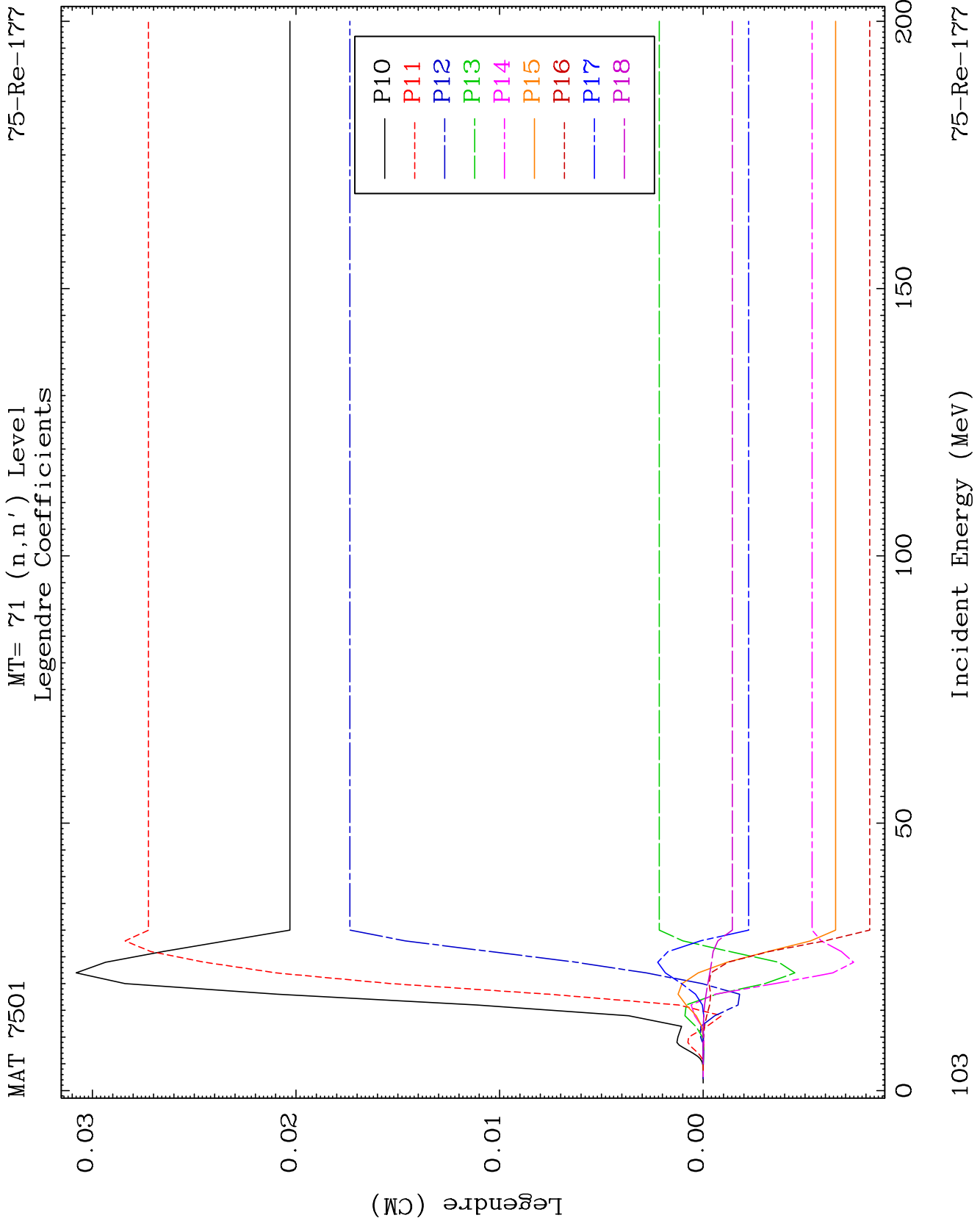


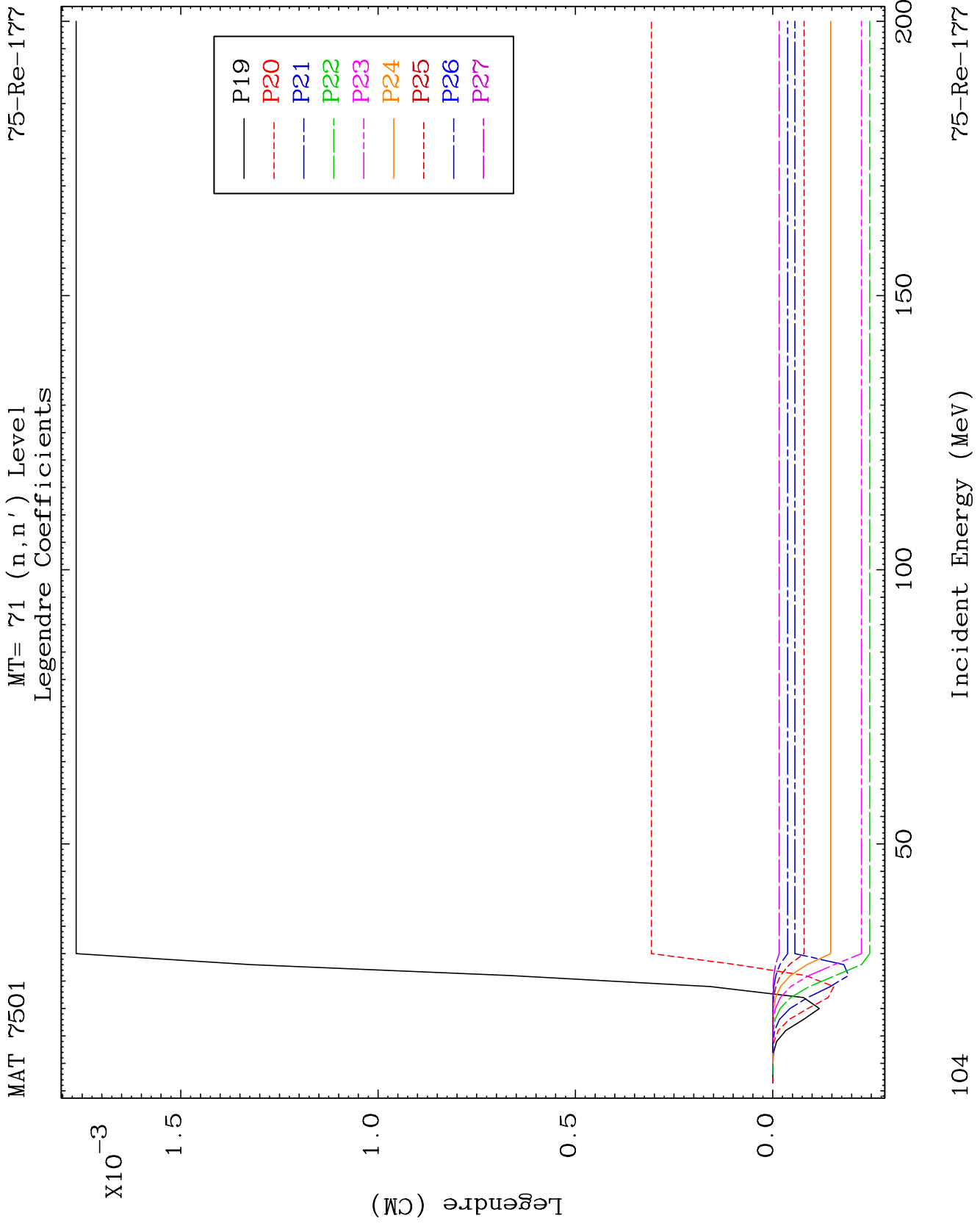


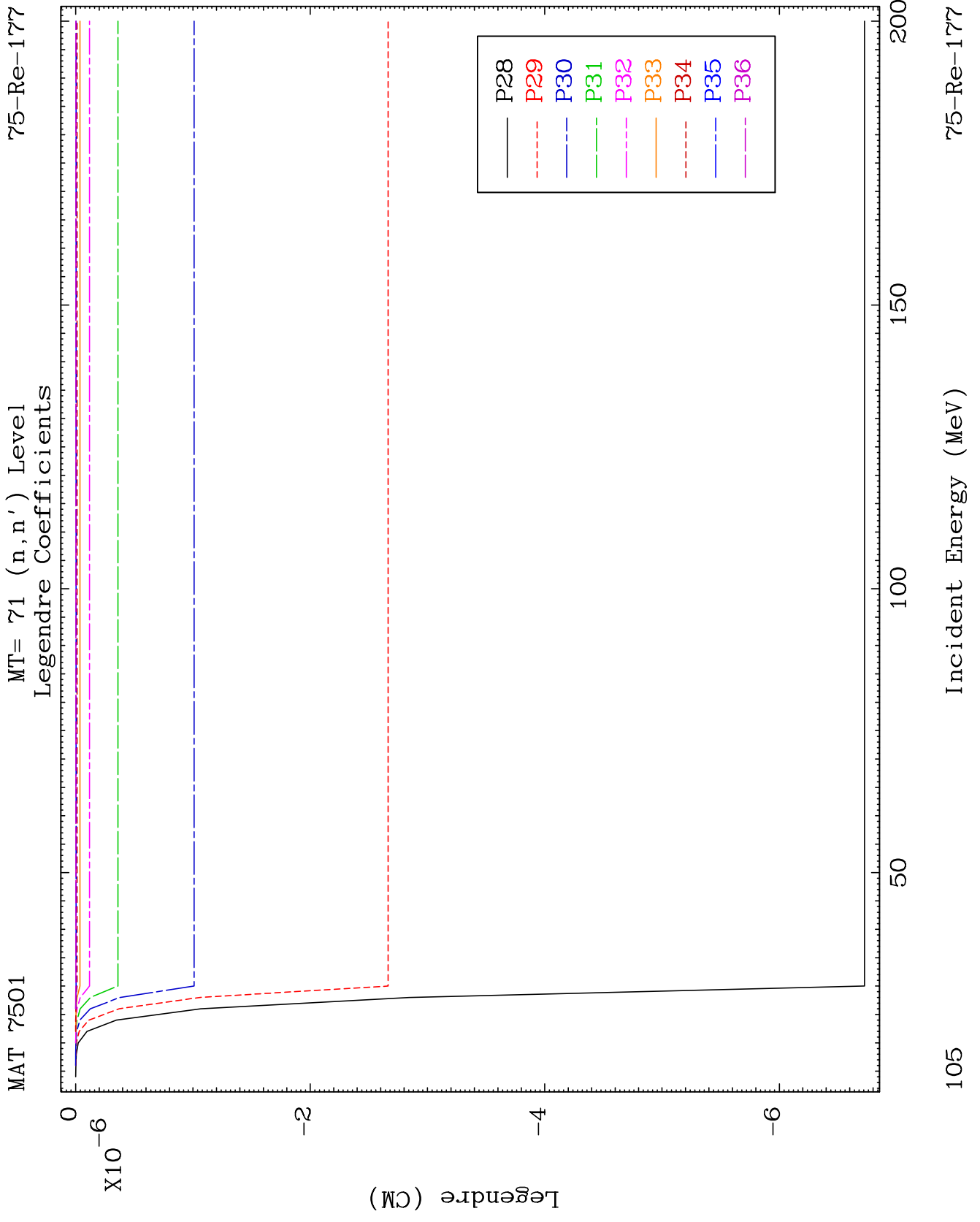


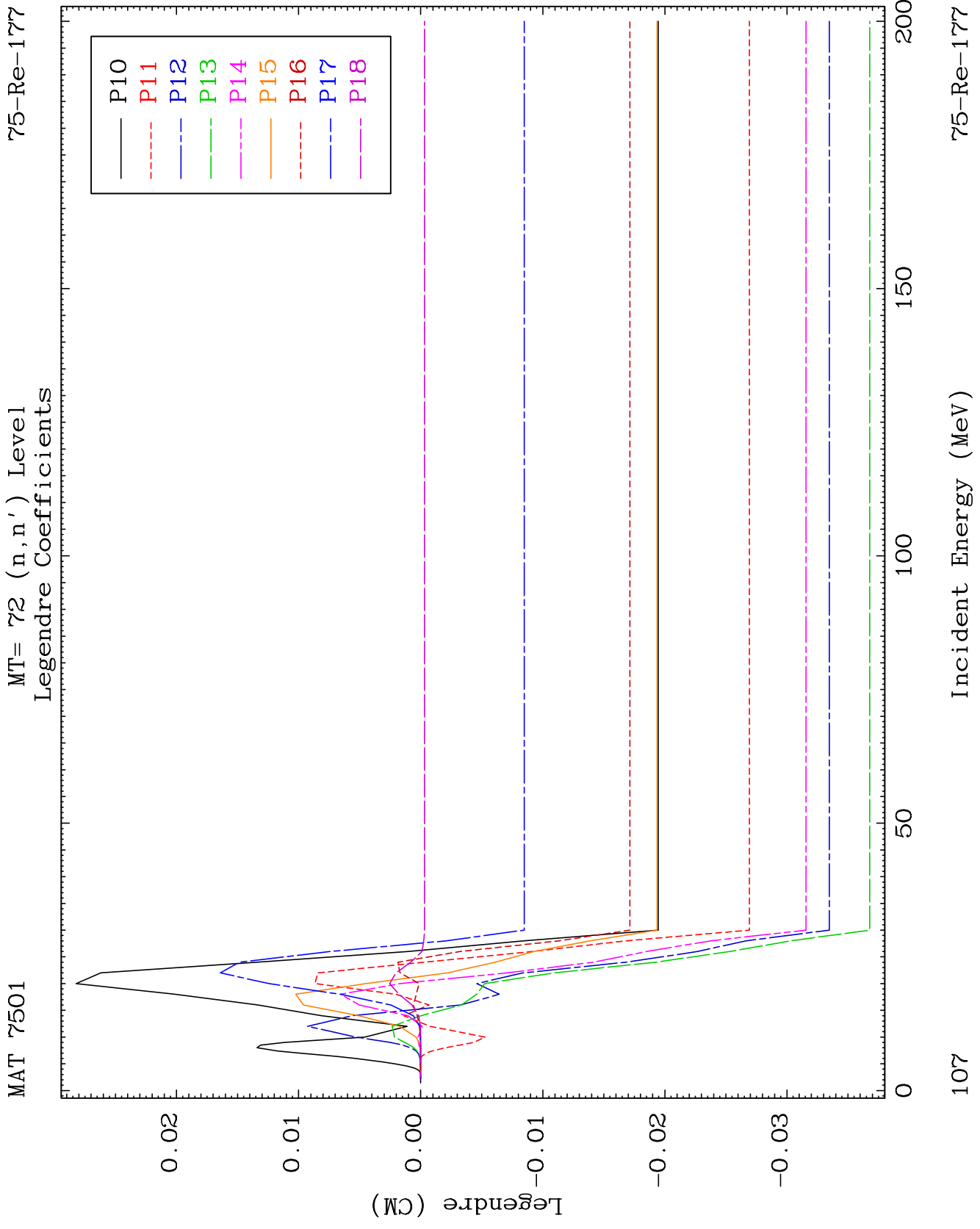


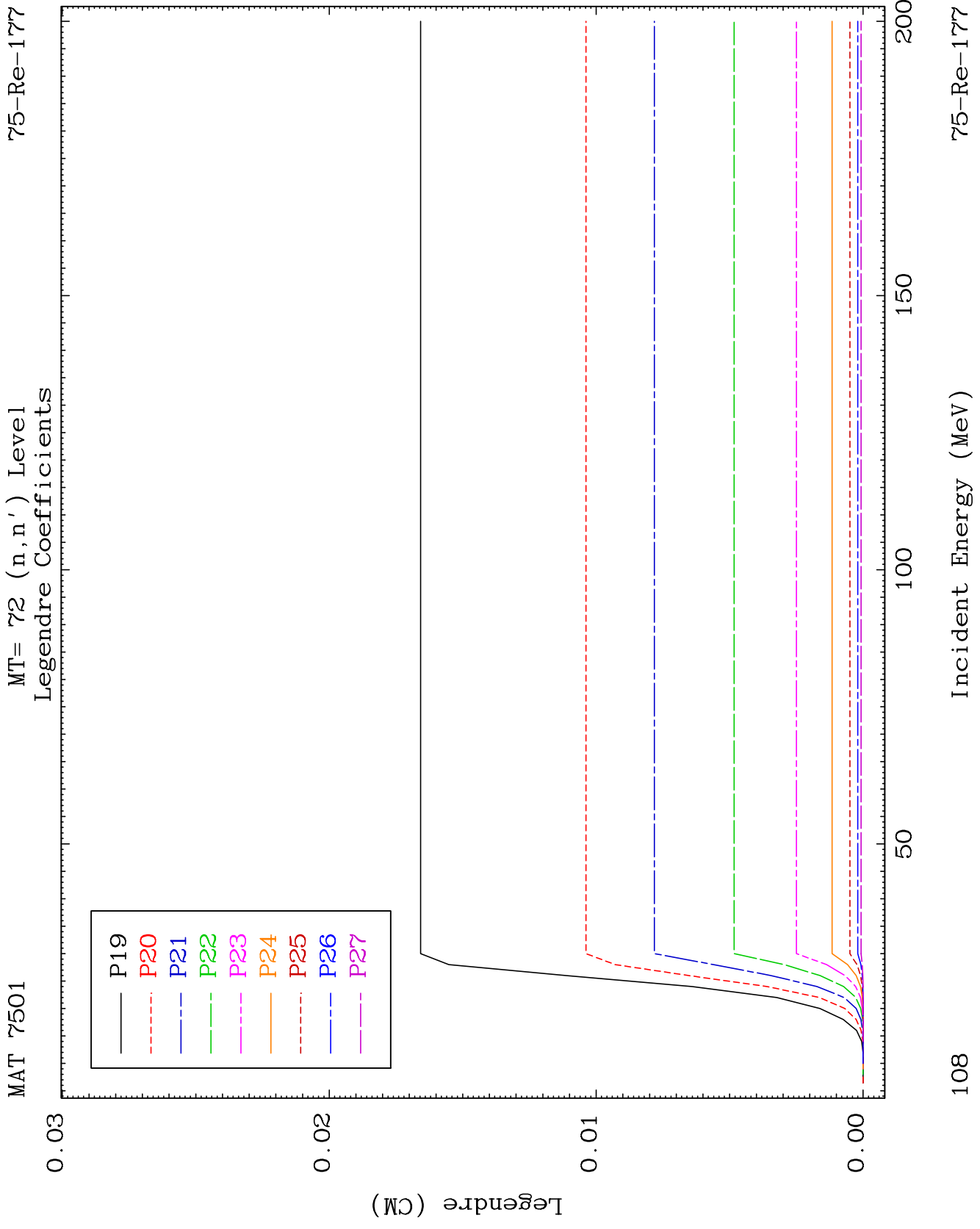








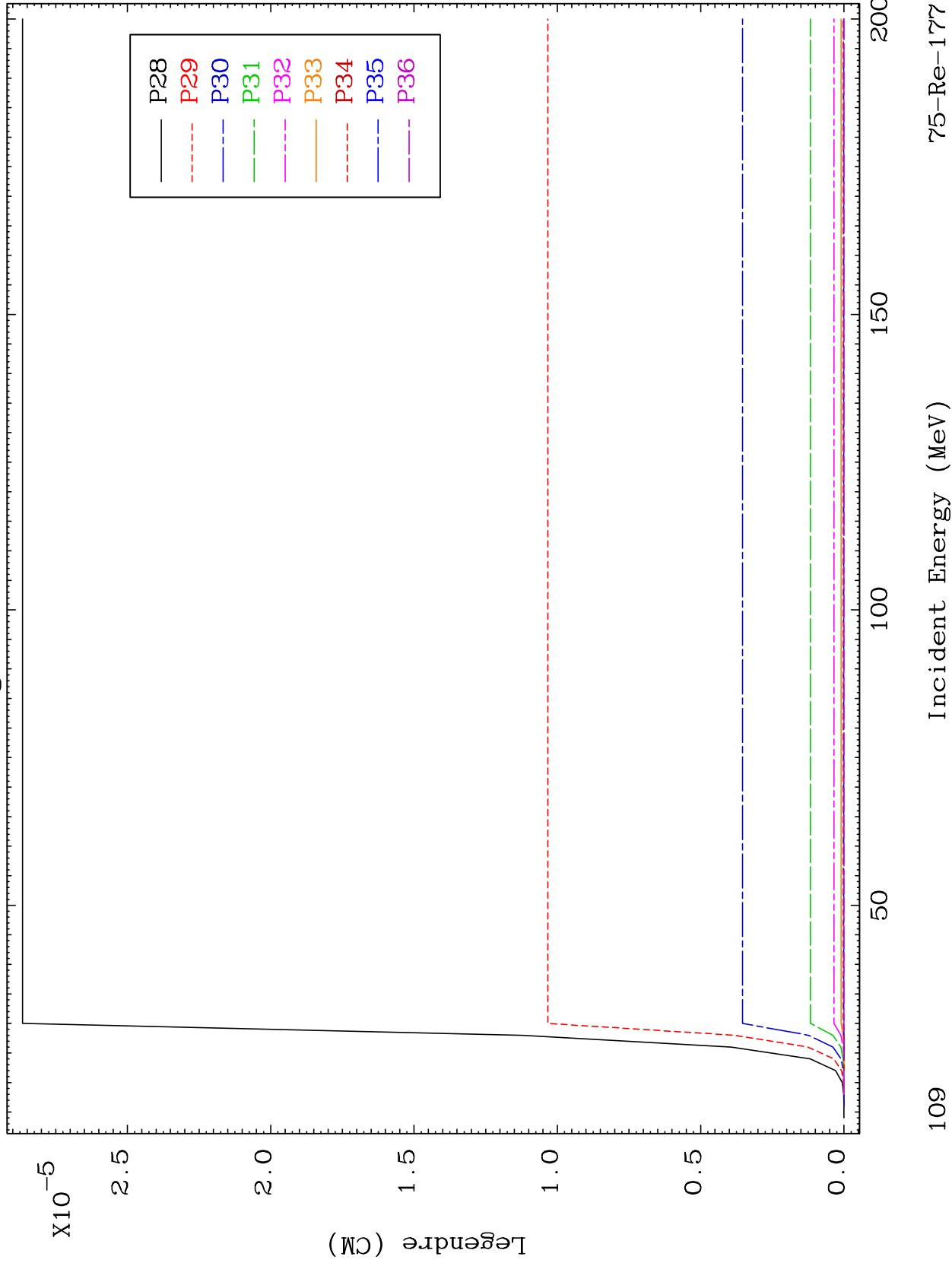




MAT 7501

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

75-Re-177



109

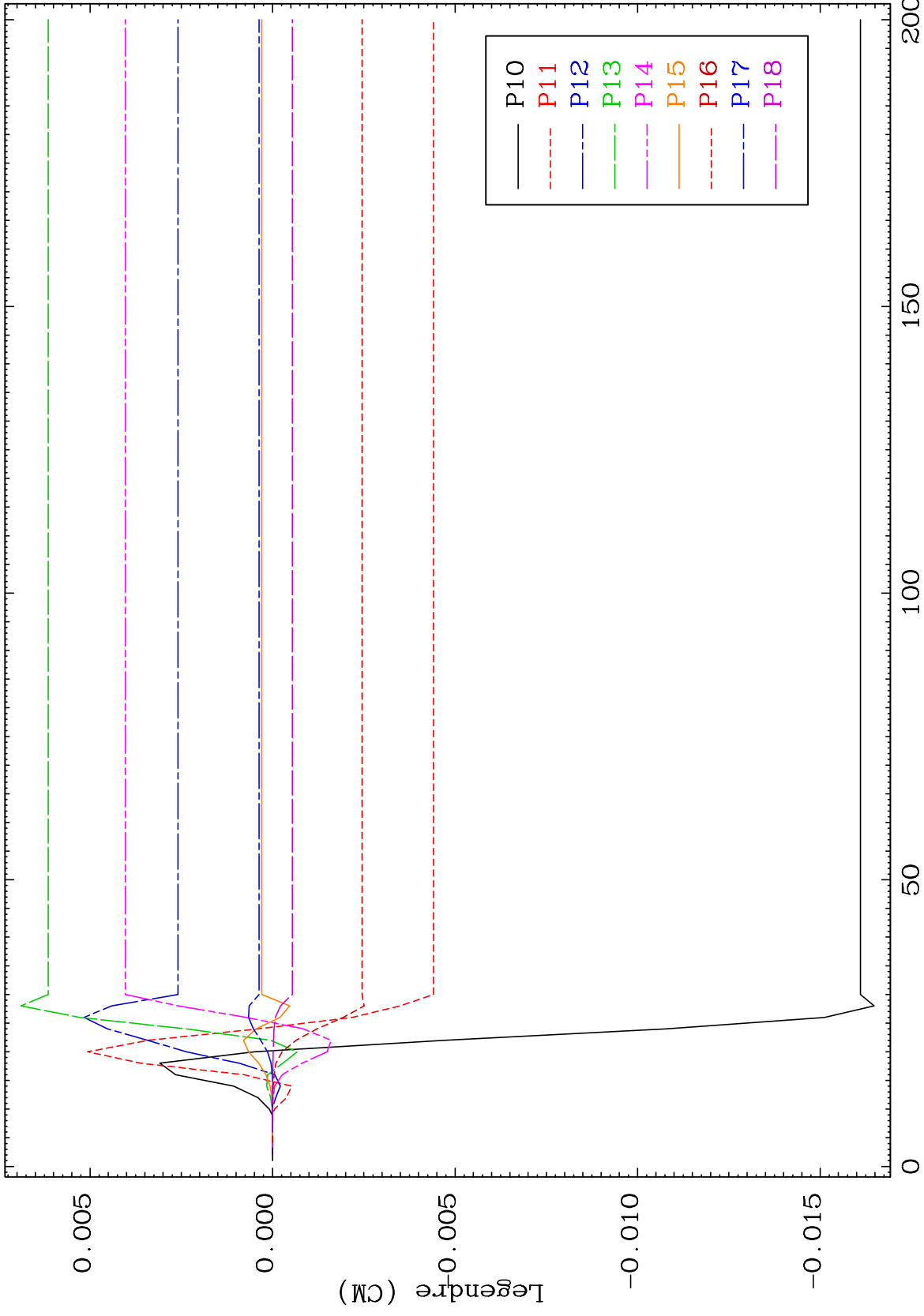
Incident Energy (MeV)

75-Re-177

MAT 7501

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

75-Re-177



111

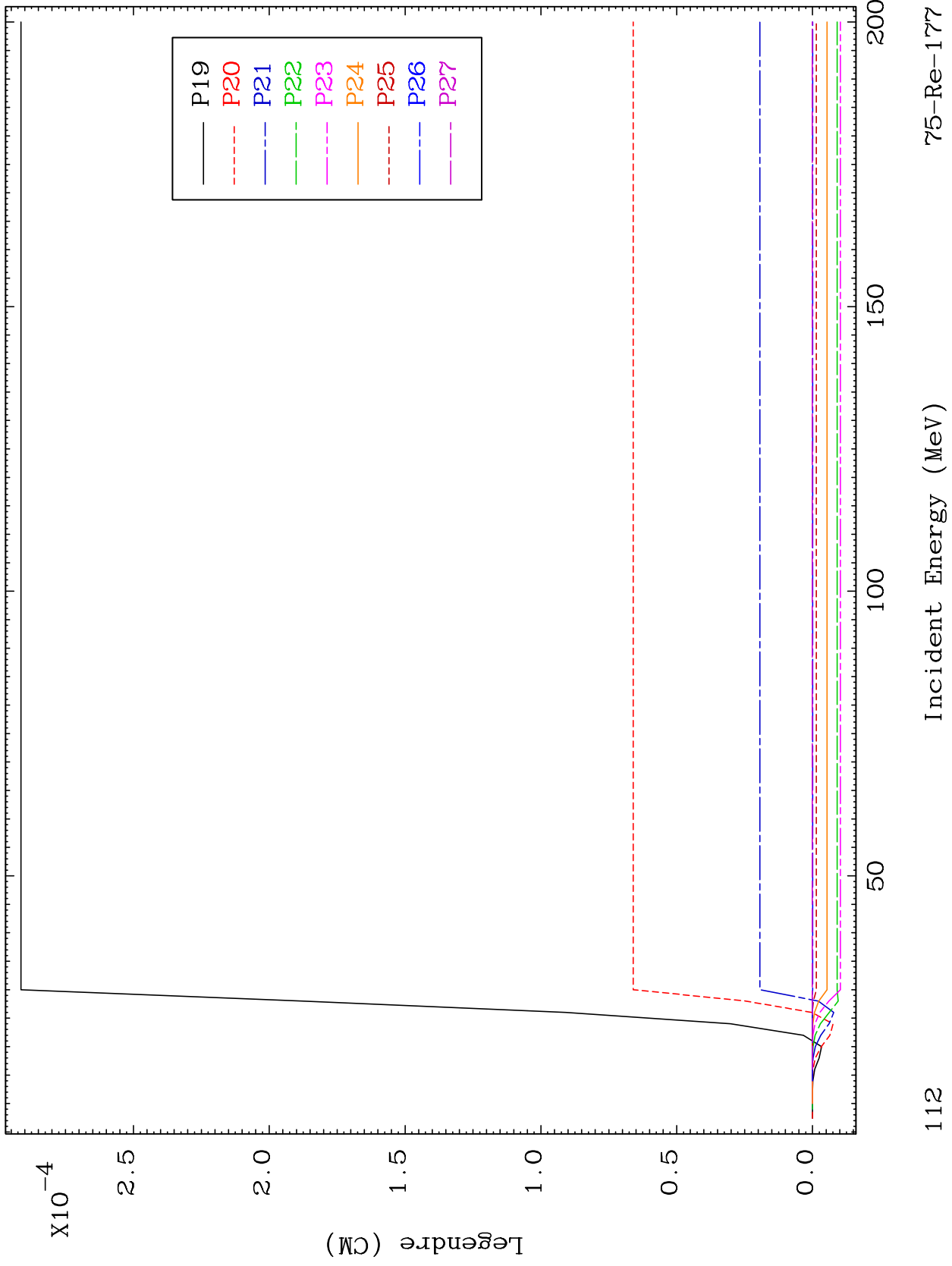
Incident Energy (MeV)

75-Re-177

MAT 7501

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

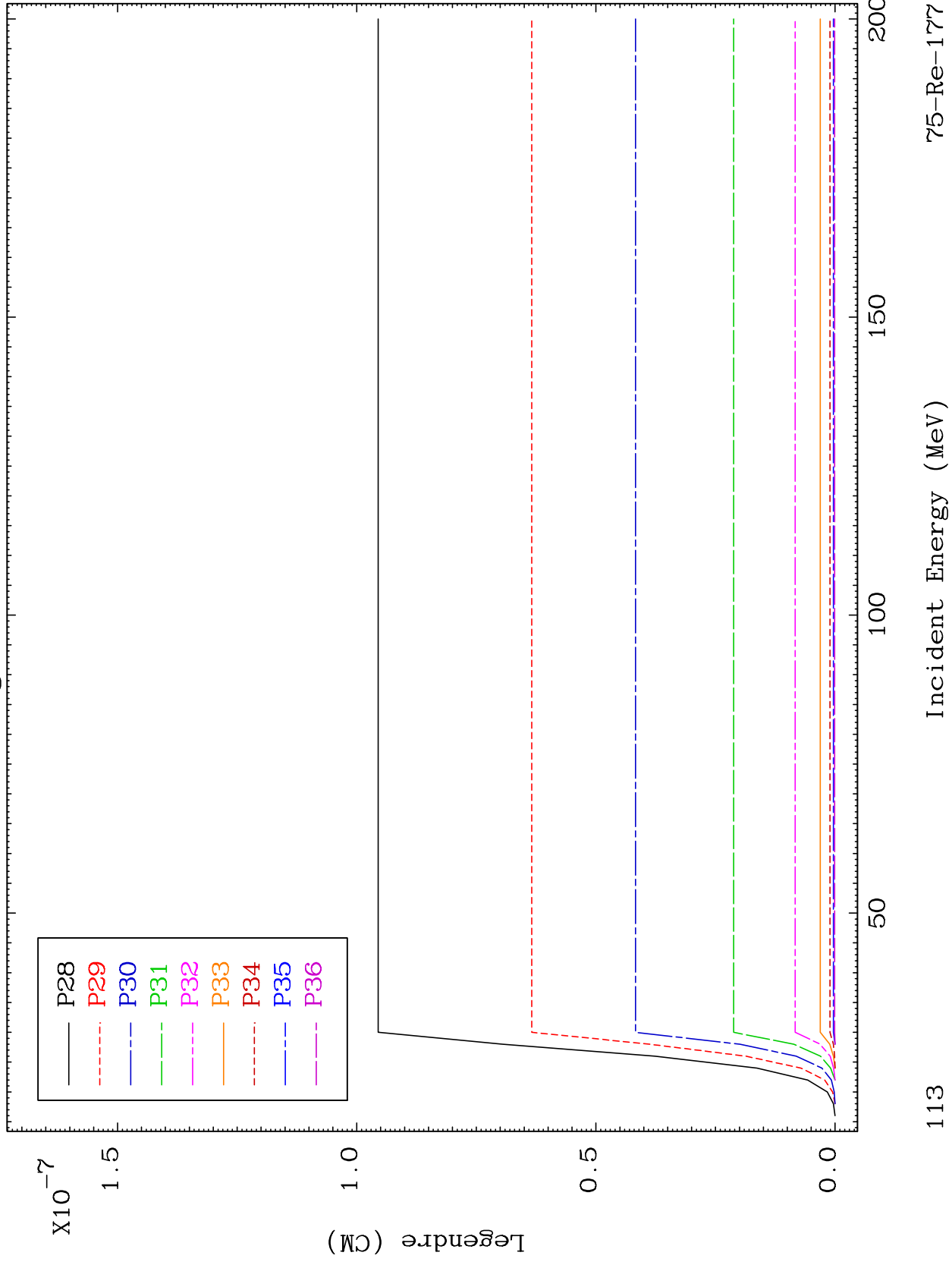
75-Re-177



MAT 7501

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

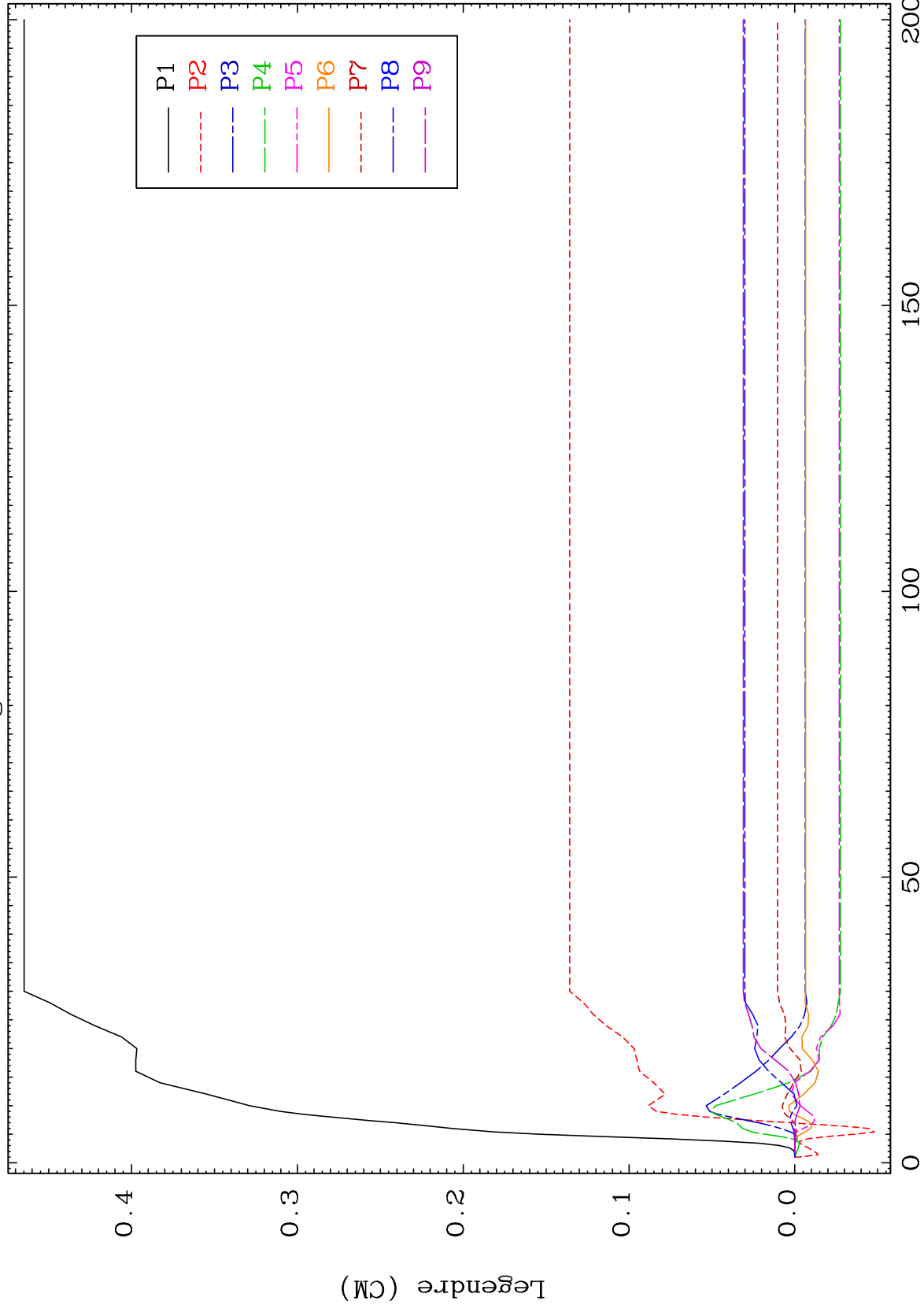
75-Re-177



MAT 7501

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

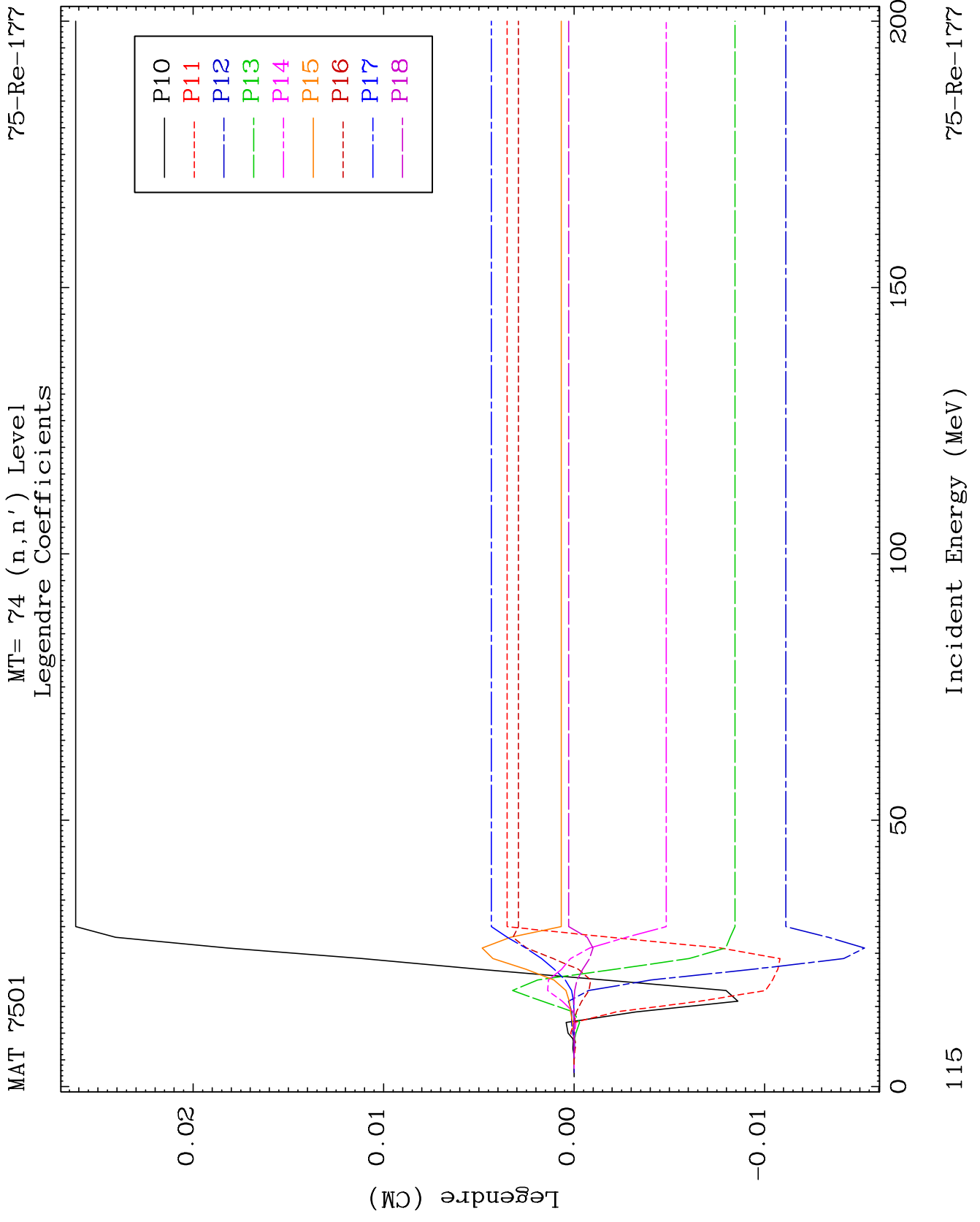
75-Re-177

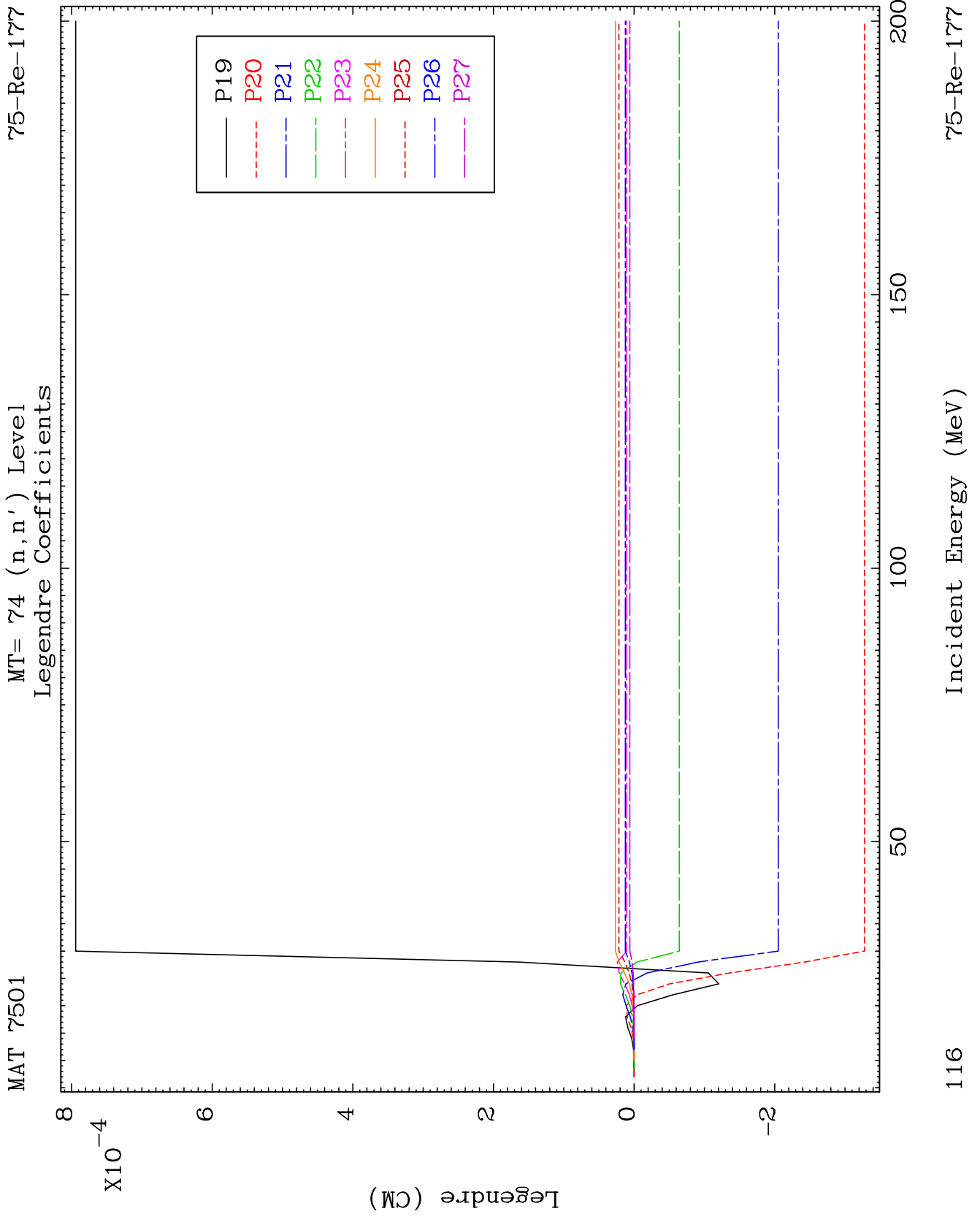


114

Incident Energy (MeV)

75-Re-177

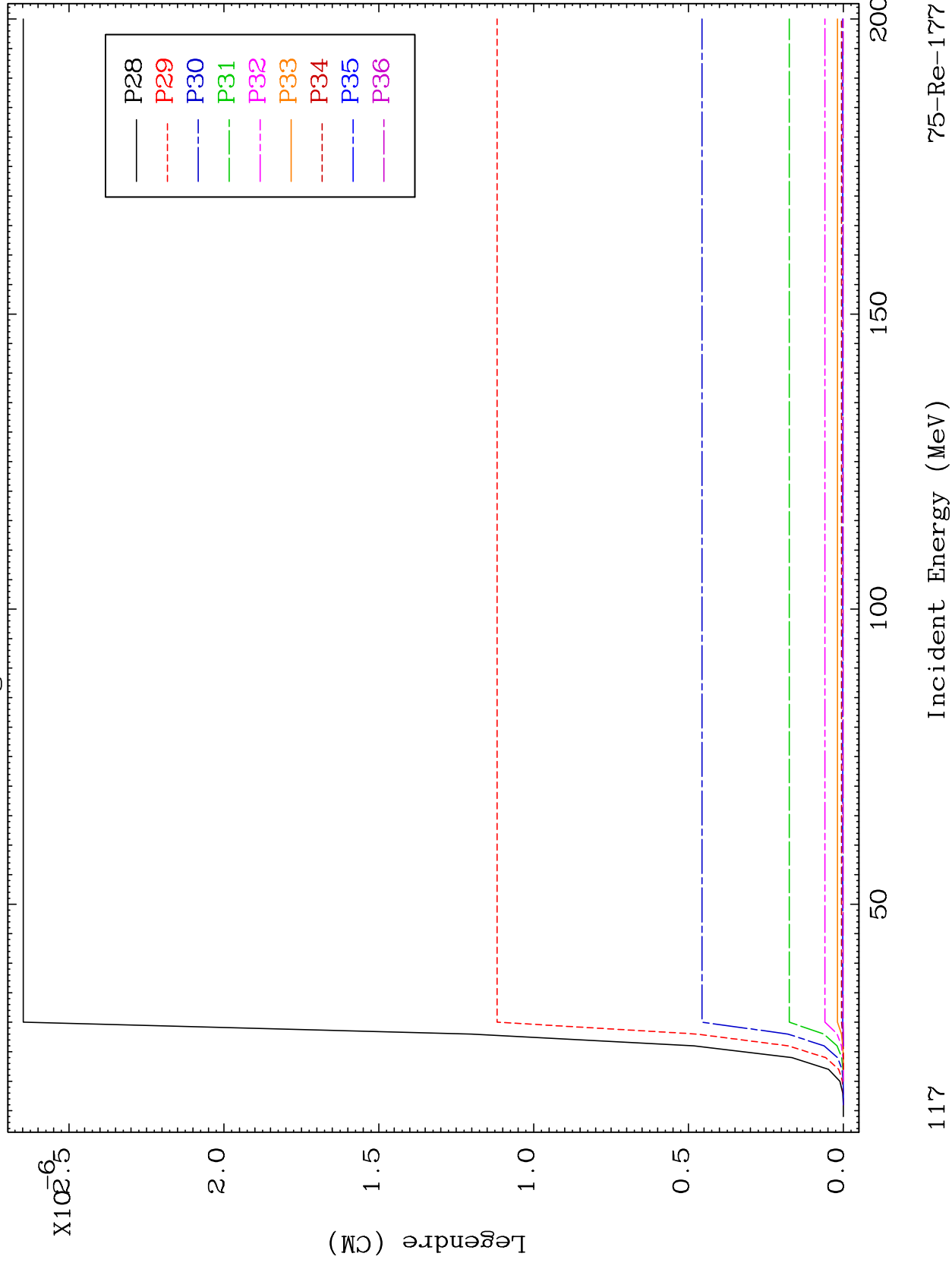




MAT 7501

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

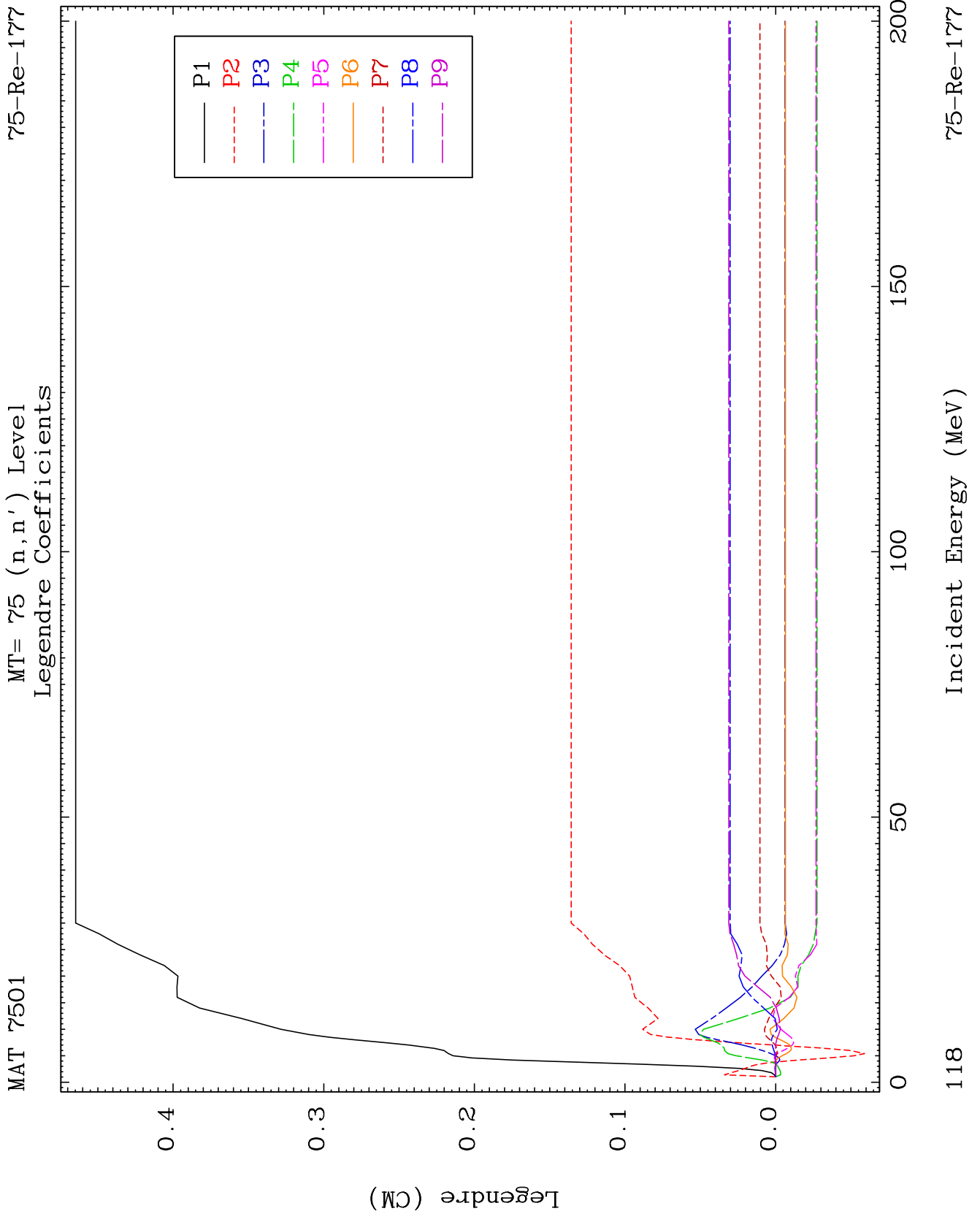
75-Re-177

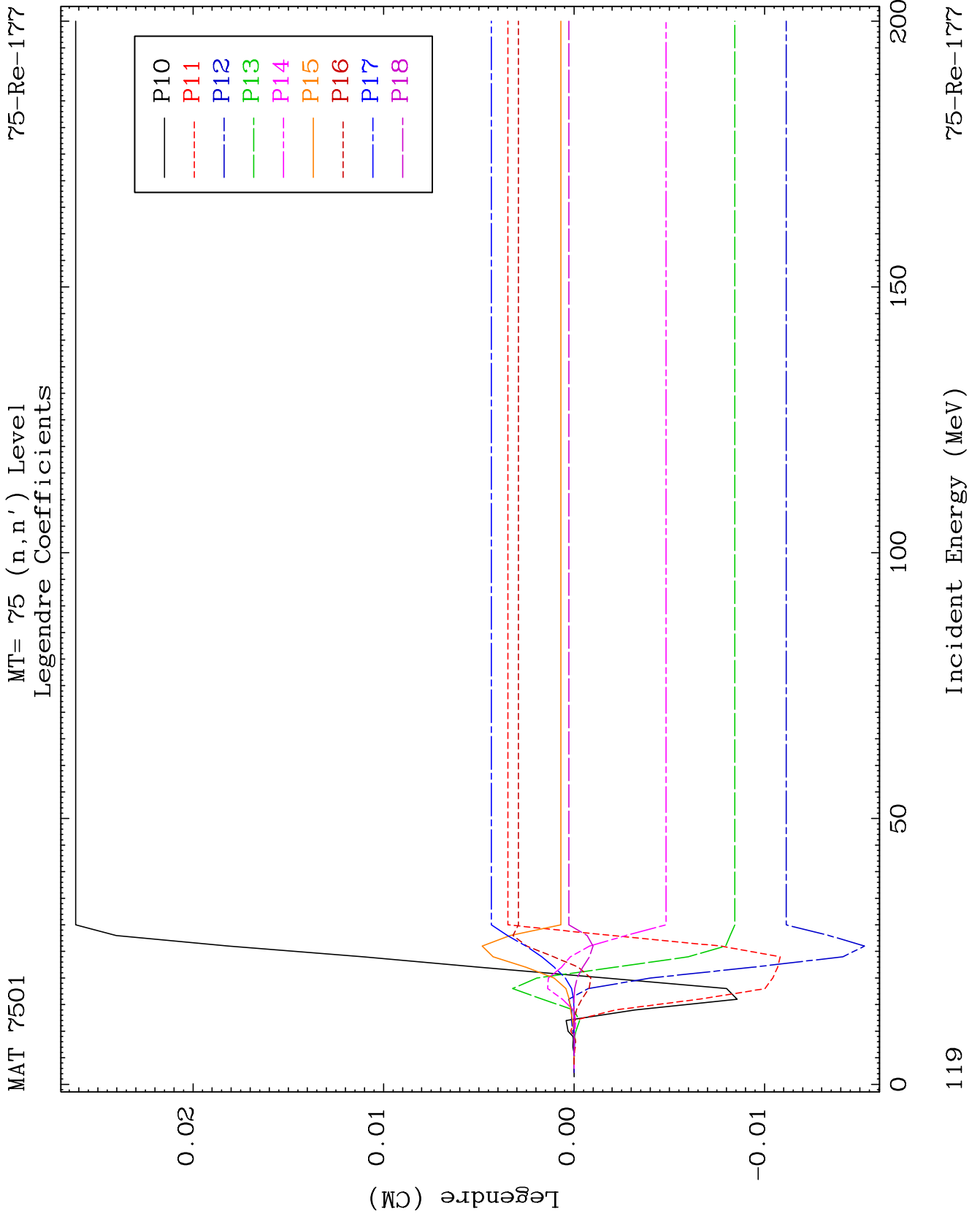


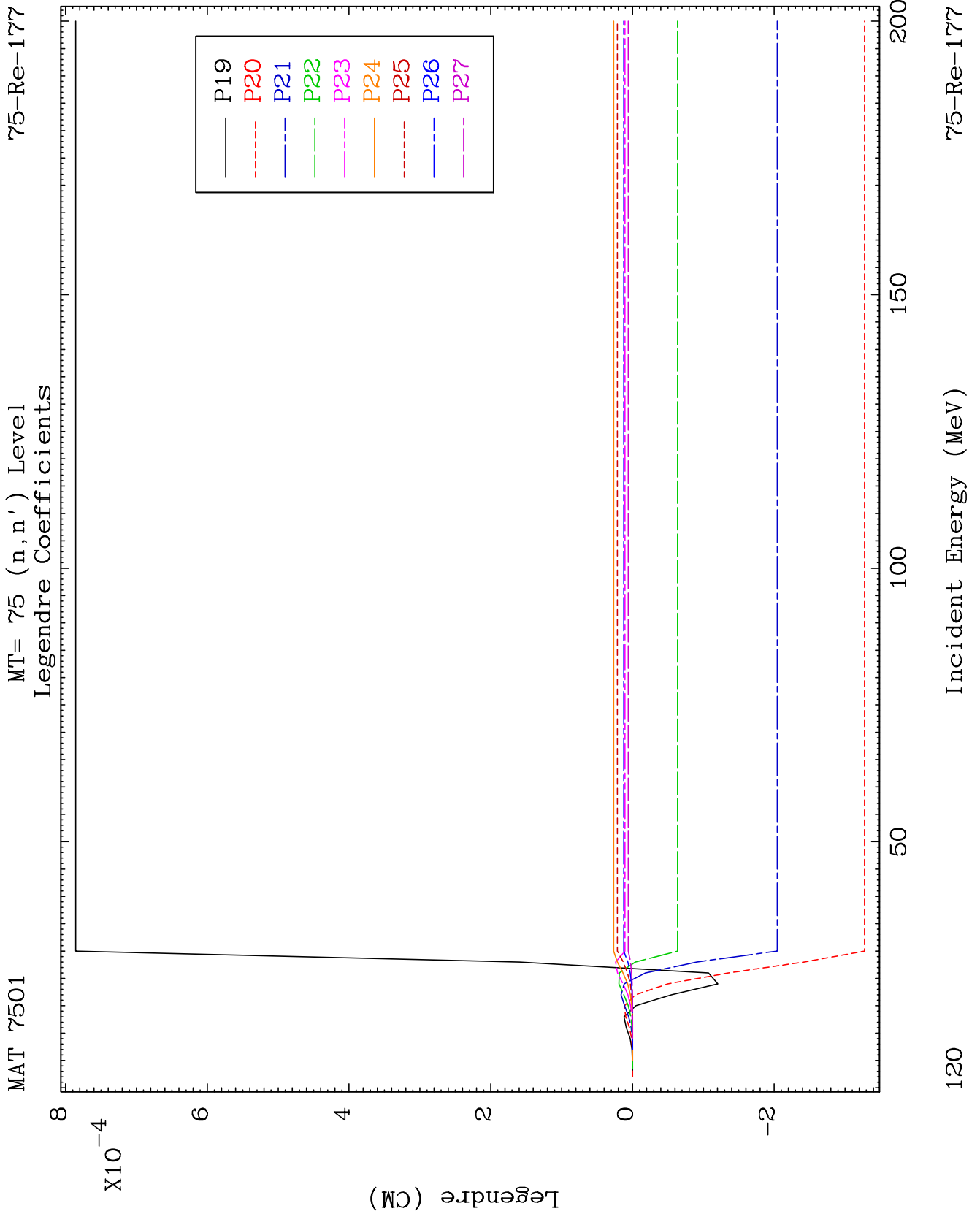
117

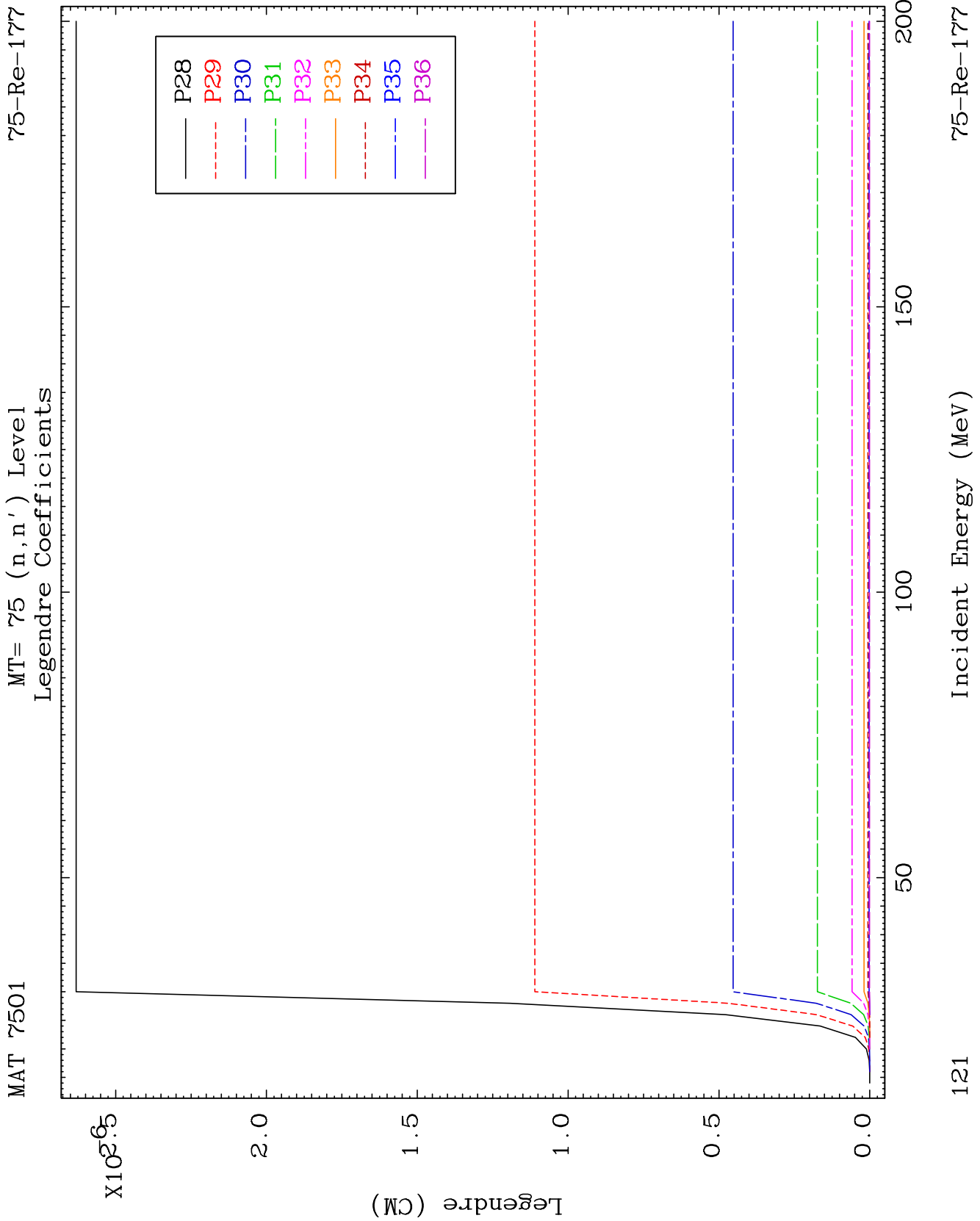
Incident Energy (MeV)

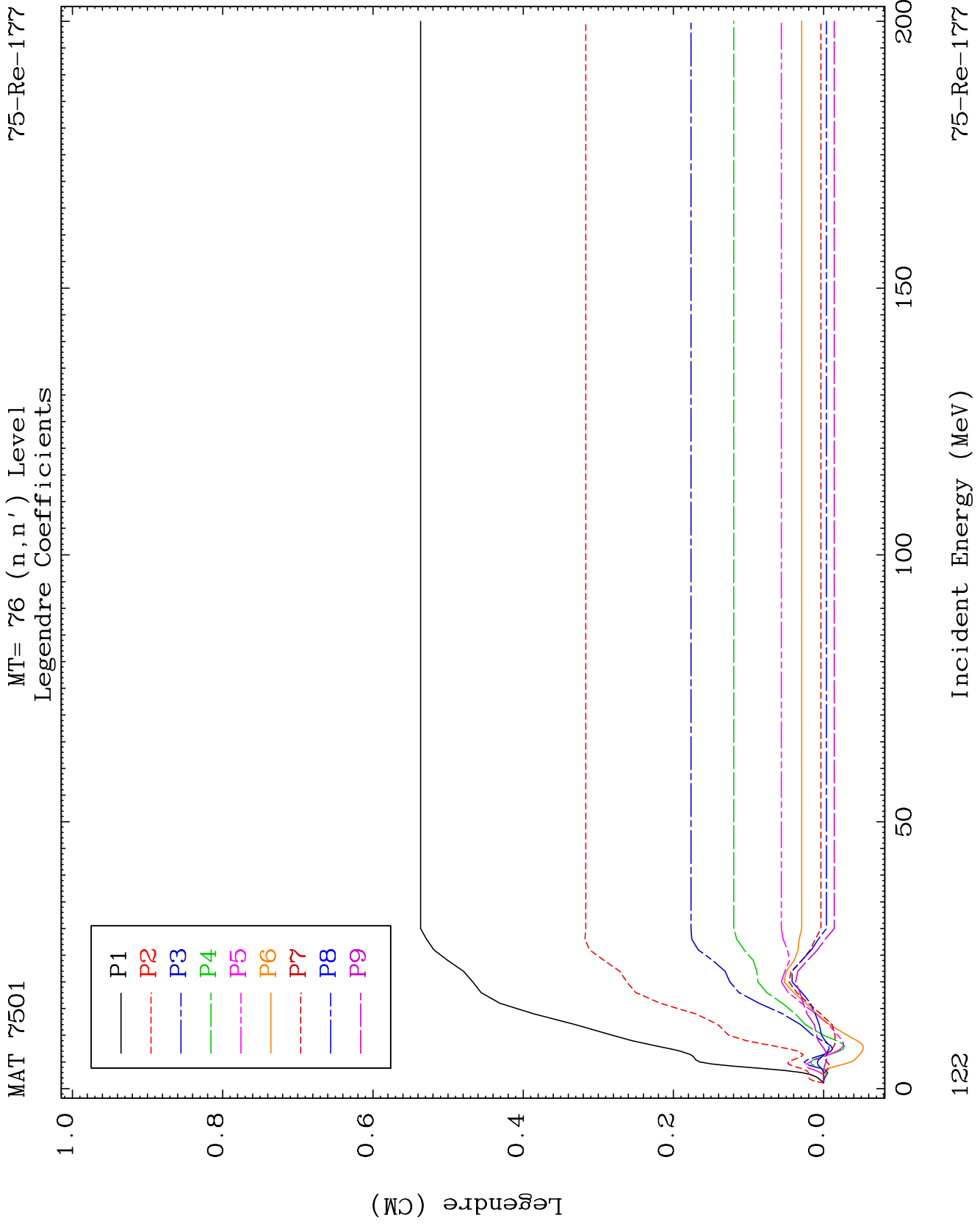
75-Re-177

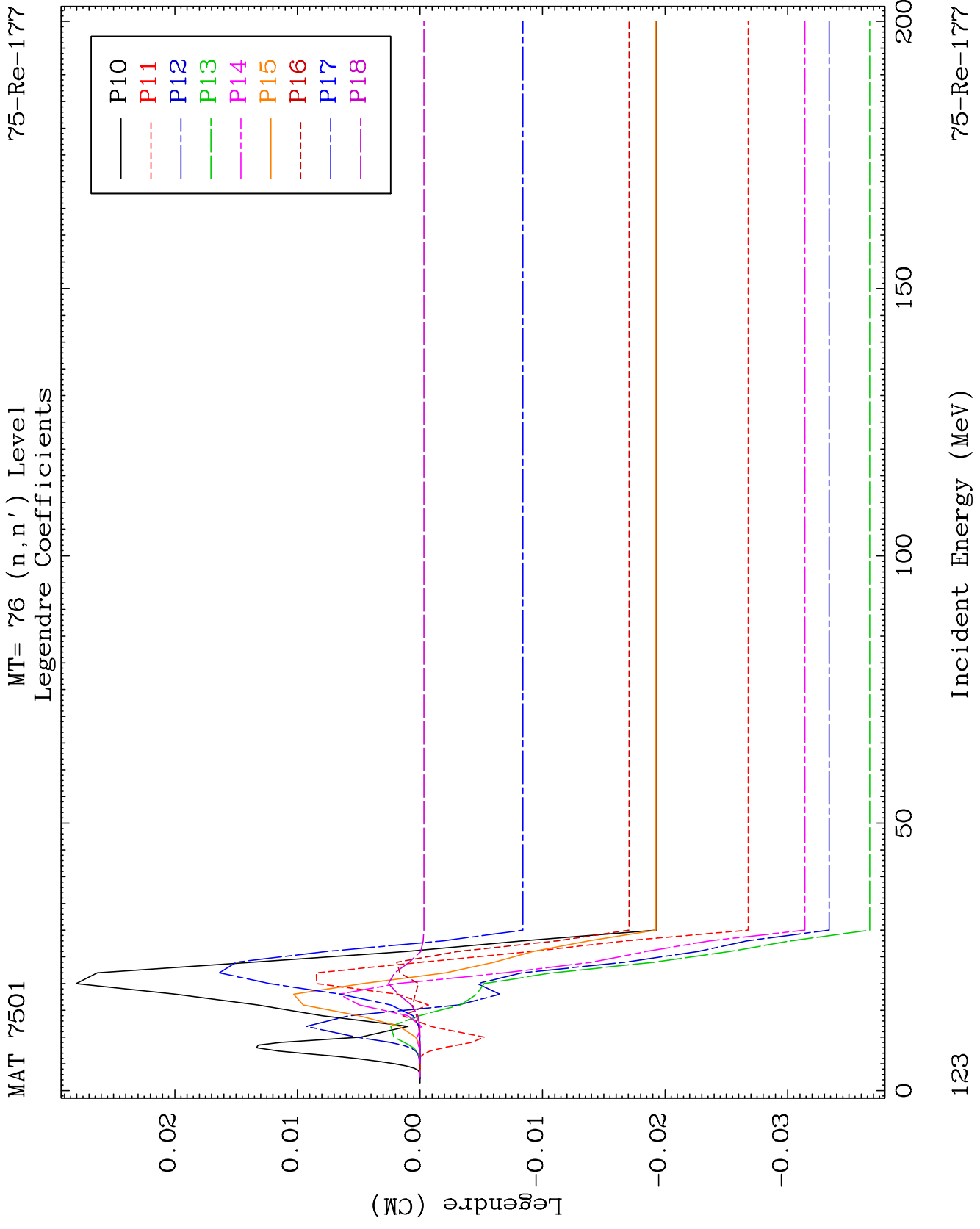


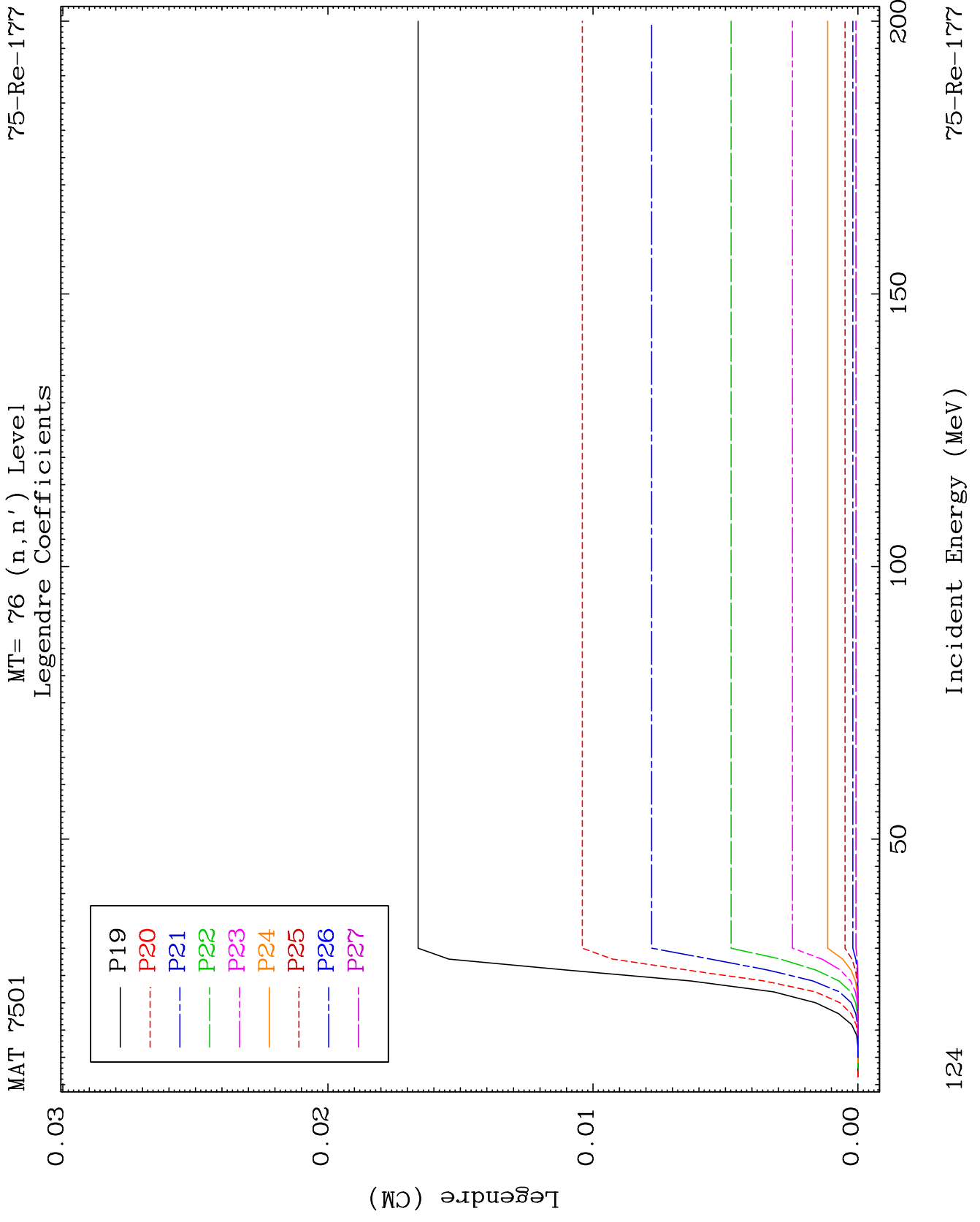








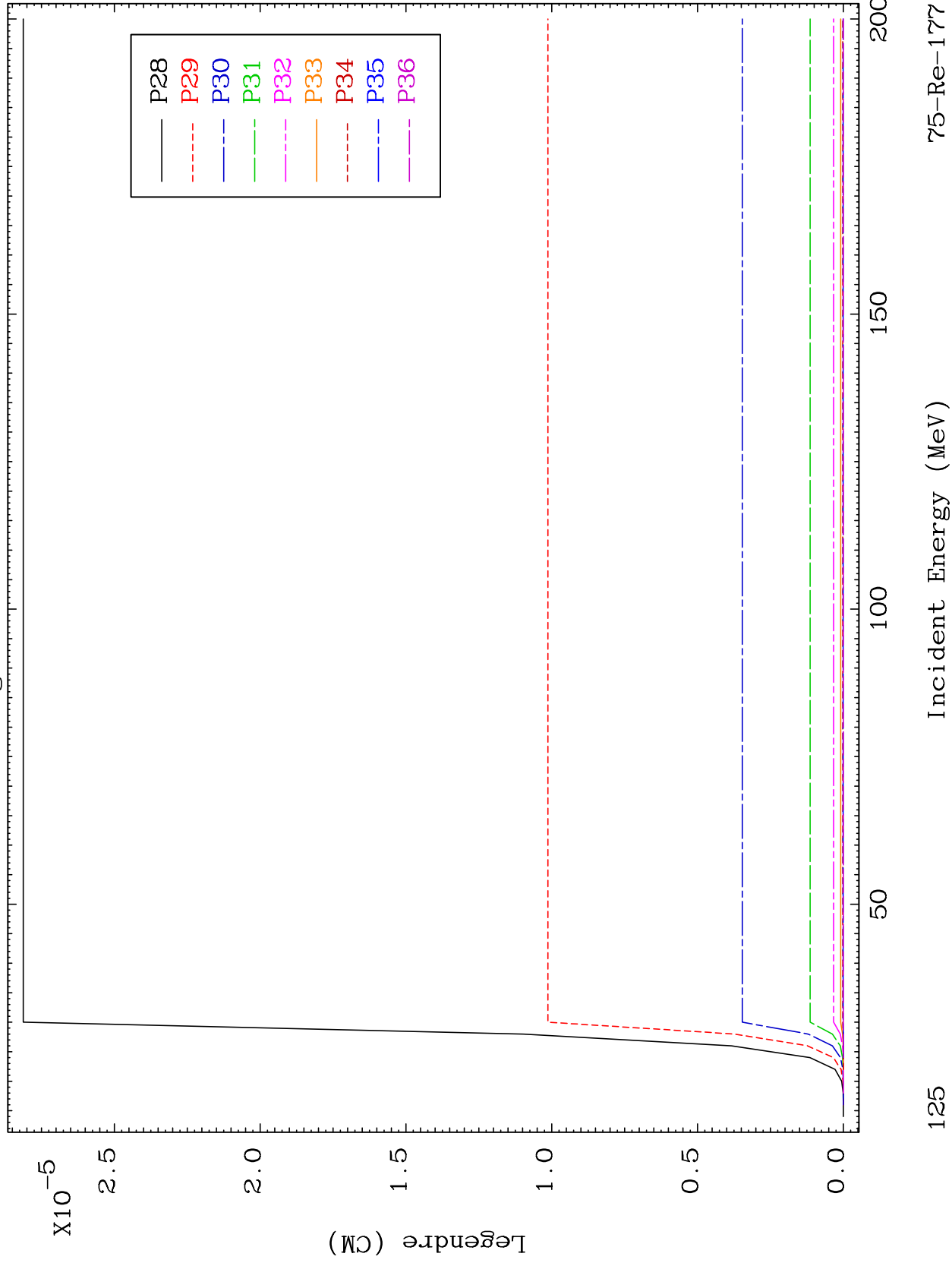


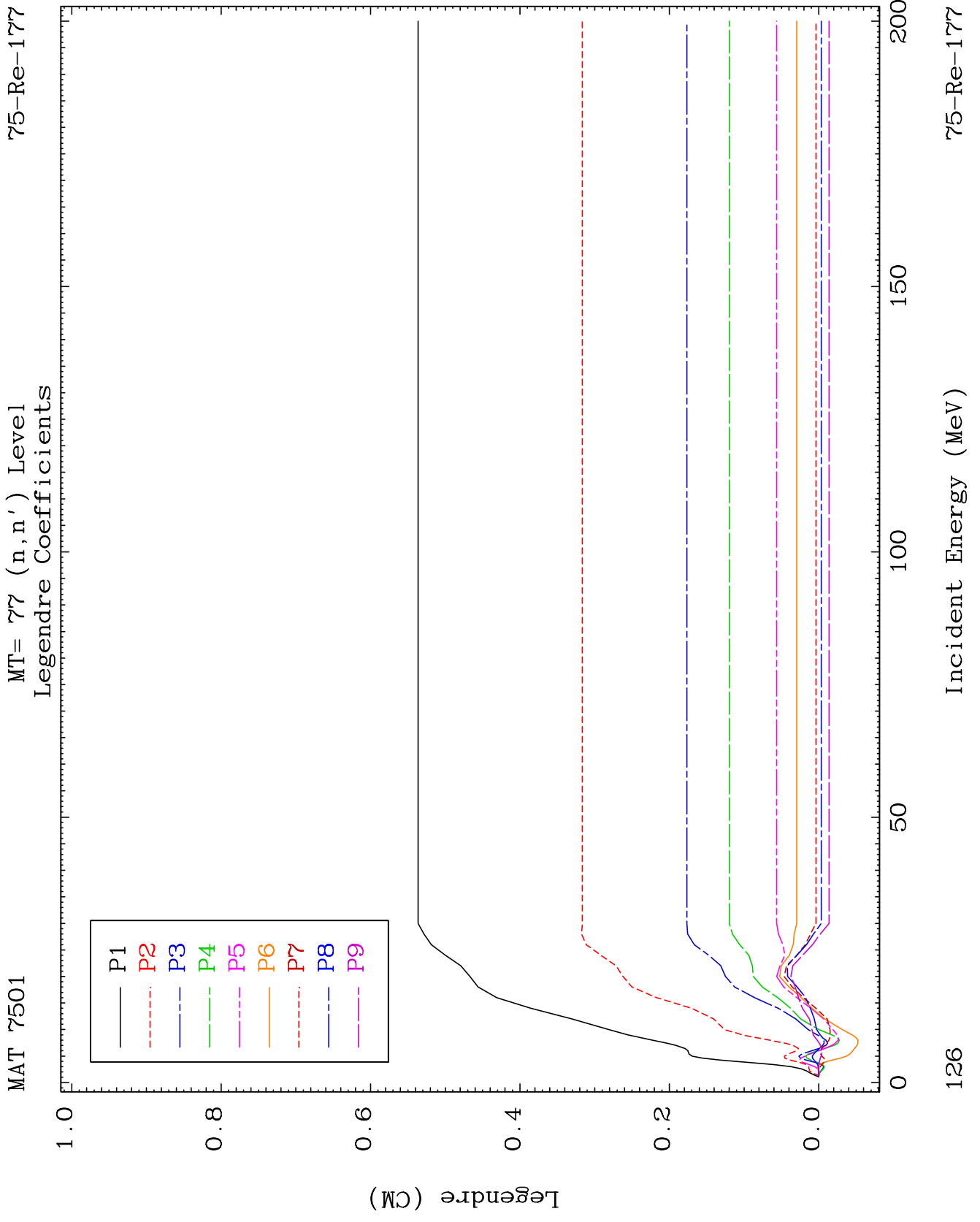


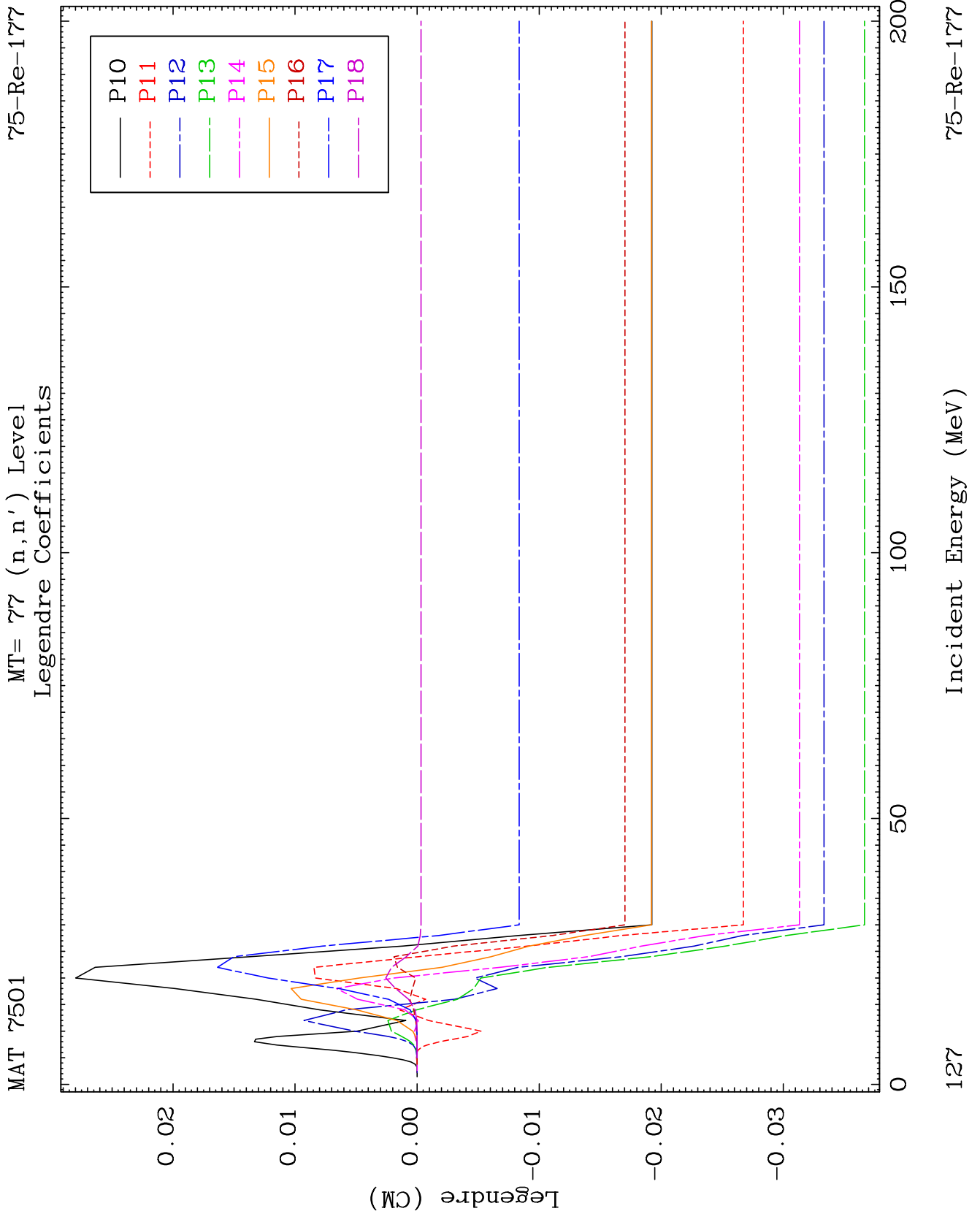
MAT 7501

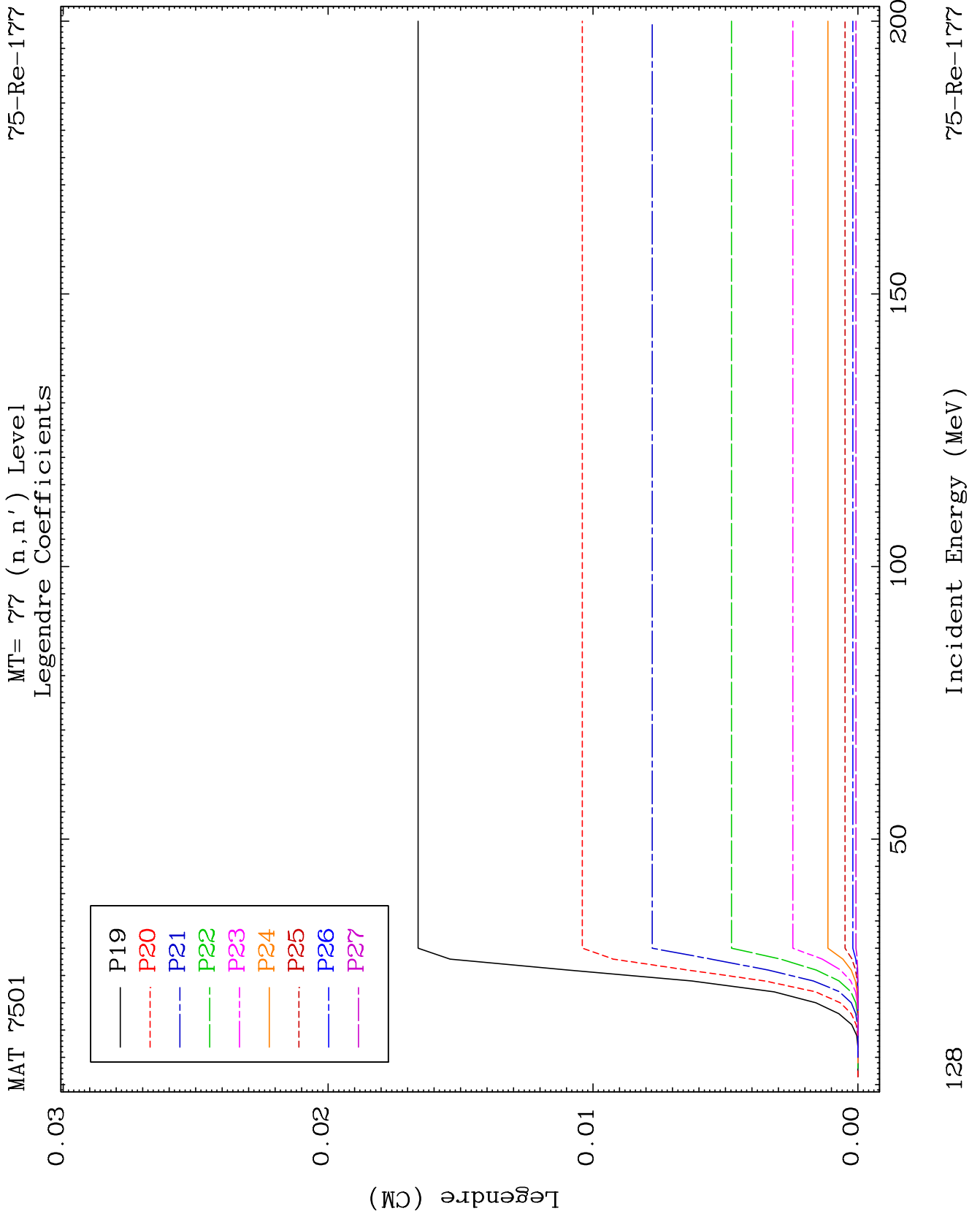
MT= 76 (n,n') Level
Legendre Coefficients

75-Re-177





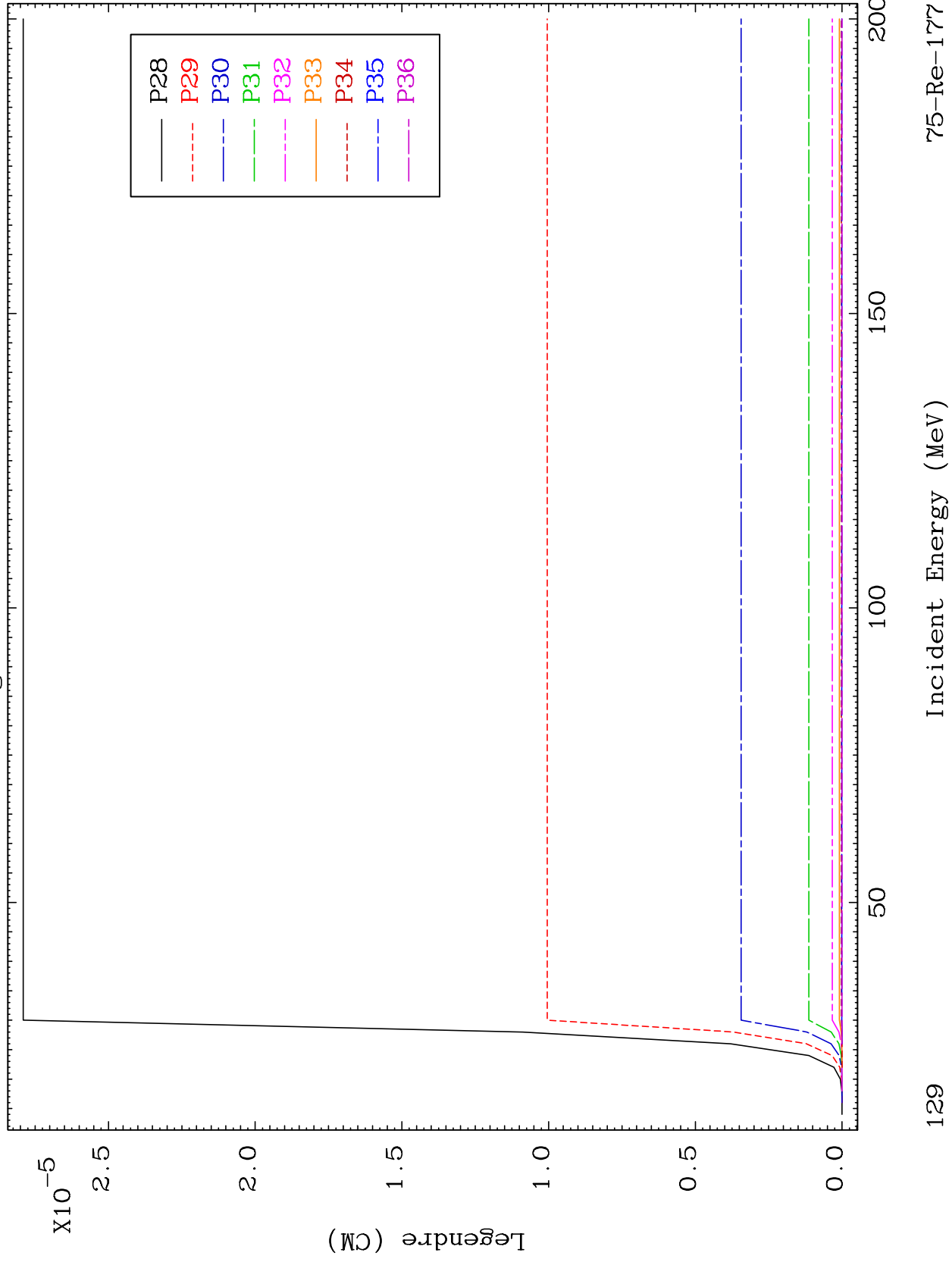




MAT 7501

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

75-Re-177



129

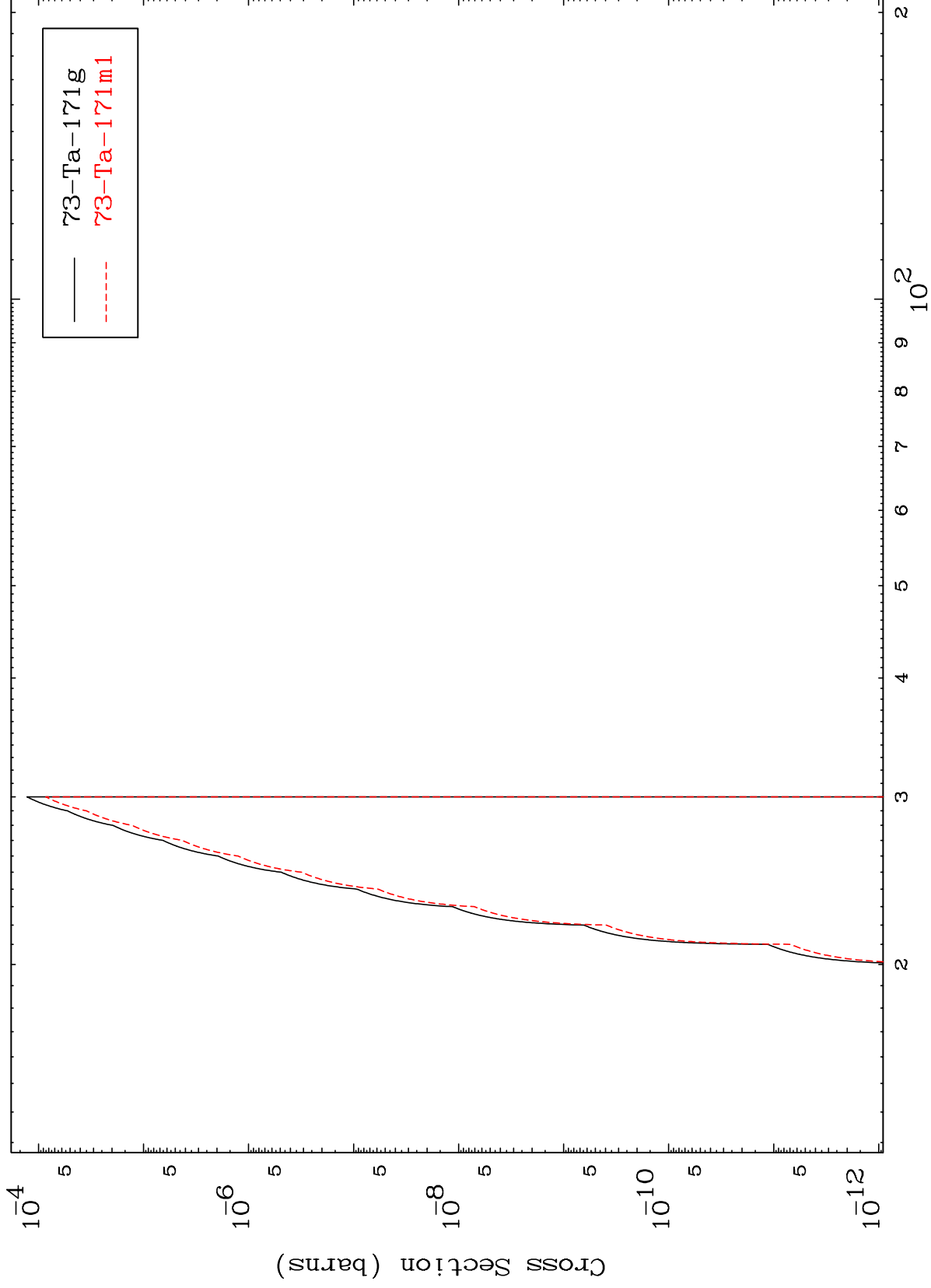
75-Re-177

MAT 7501

(n,3n) α

75-Re-177

Radionuclide Production Cross Section



130

Incident Energy (MeV)

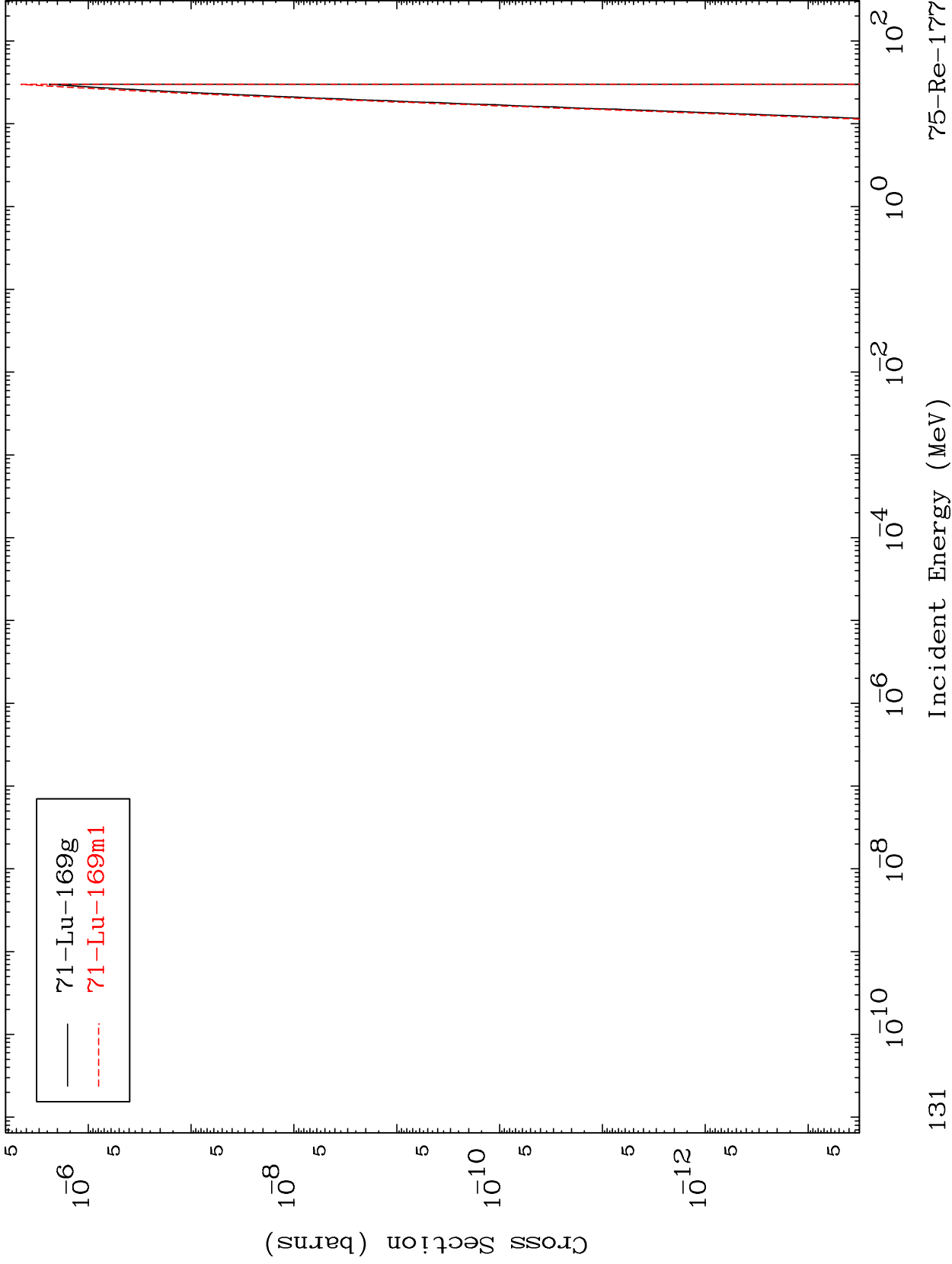
75-Re-177

MAT 7501

(n,n') 2α

75-Re-177

Radionuclide Production Cross Section



131

Incident Energy (MeV)

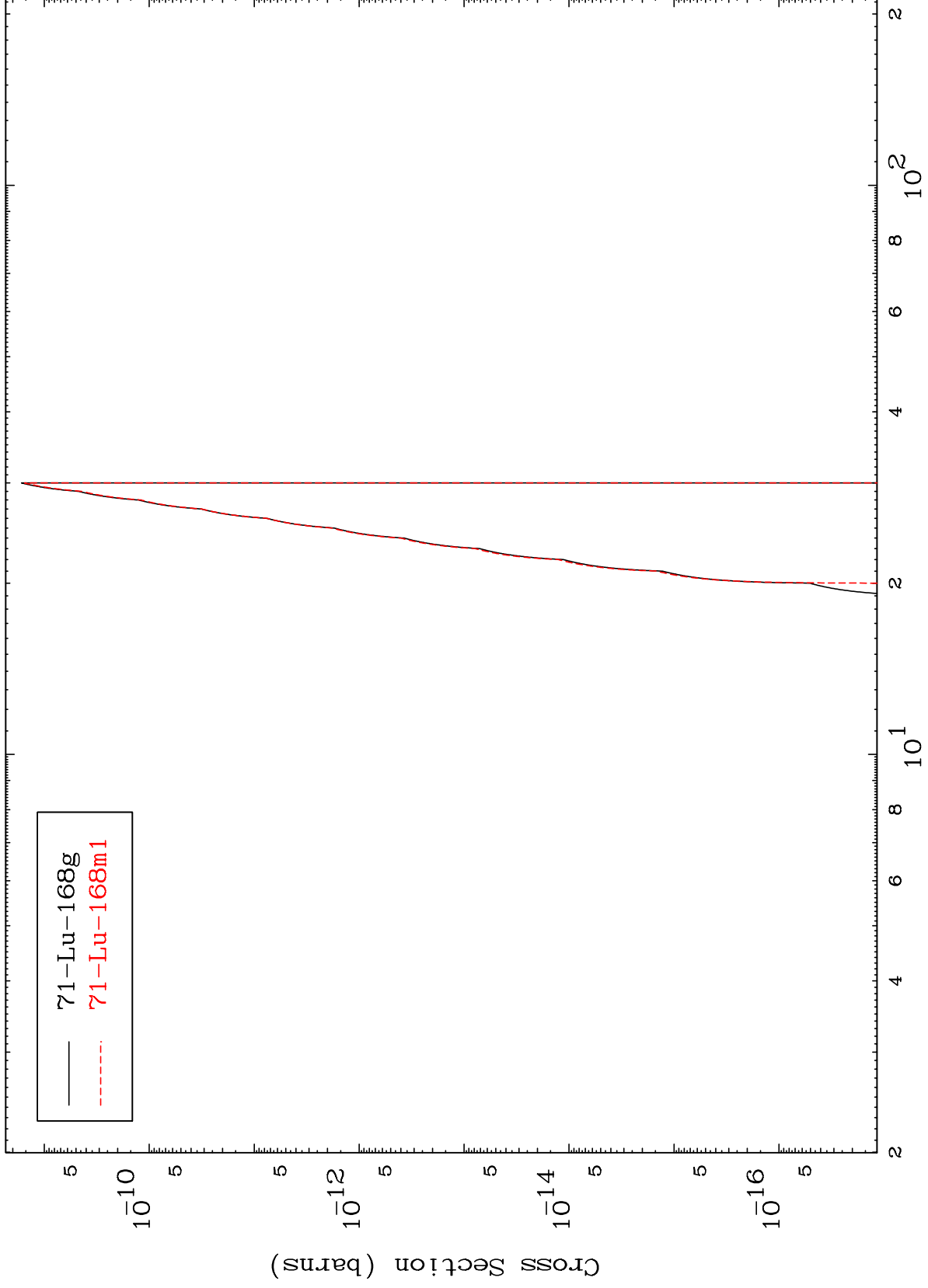
75-Re-177

MAT 7501

$(n,2n) 2\alpha$

75-Re-177

Radionuclide Production Cross Section



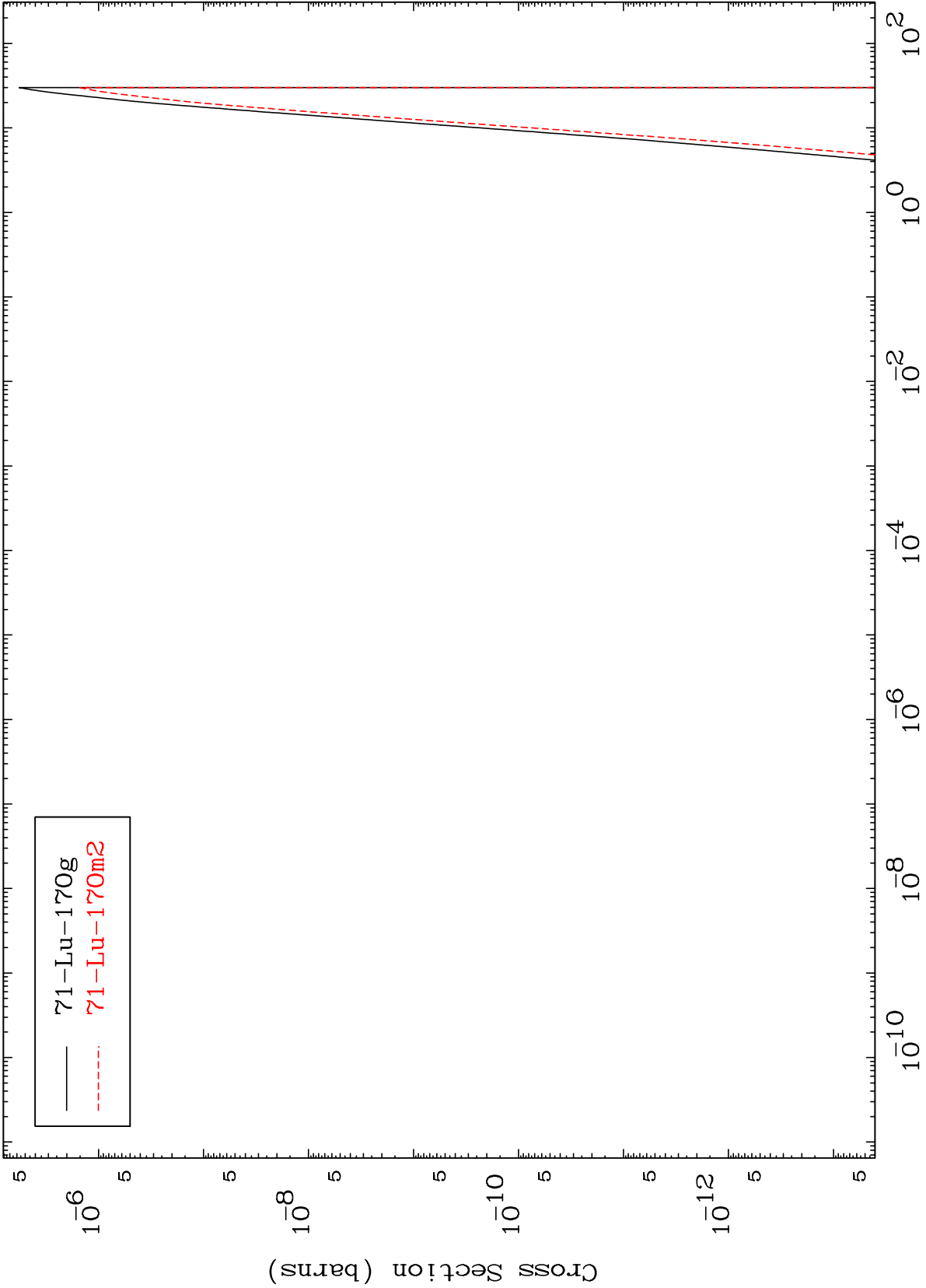
71-Lu-168g
71-Lu-168m1

MAT 7501

(n,2α)

75-Re-177

Radionuclide Production Cross Section



71-Lu-170g
71-Lu-170m2

Incident Energy (MeV)

75-Re-177

133