

Program EVALPLOT
(Version 2021-1)

by

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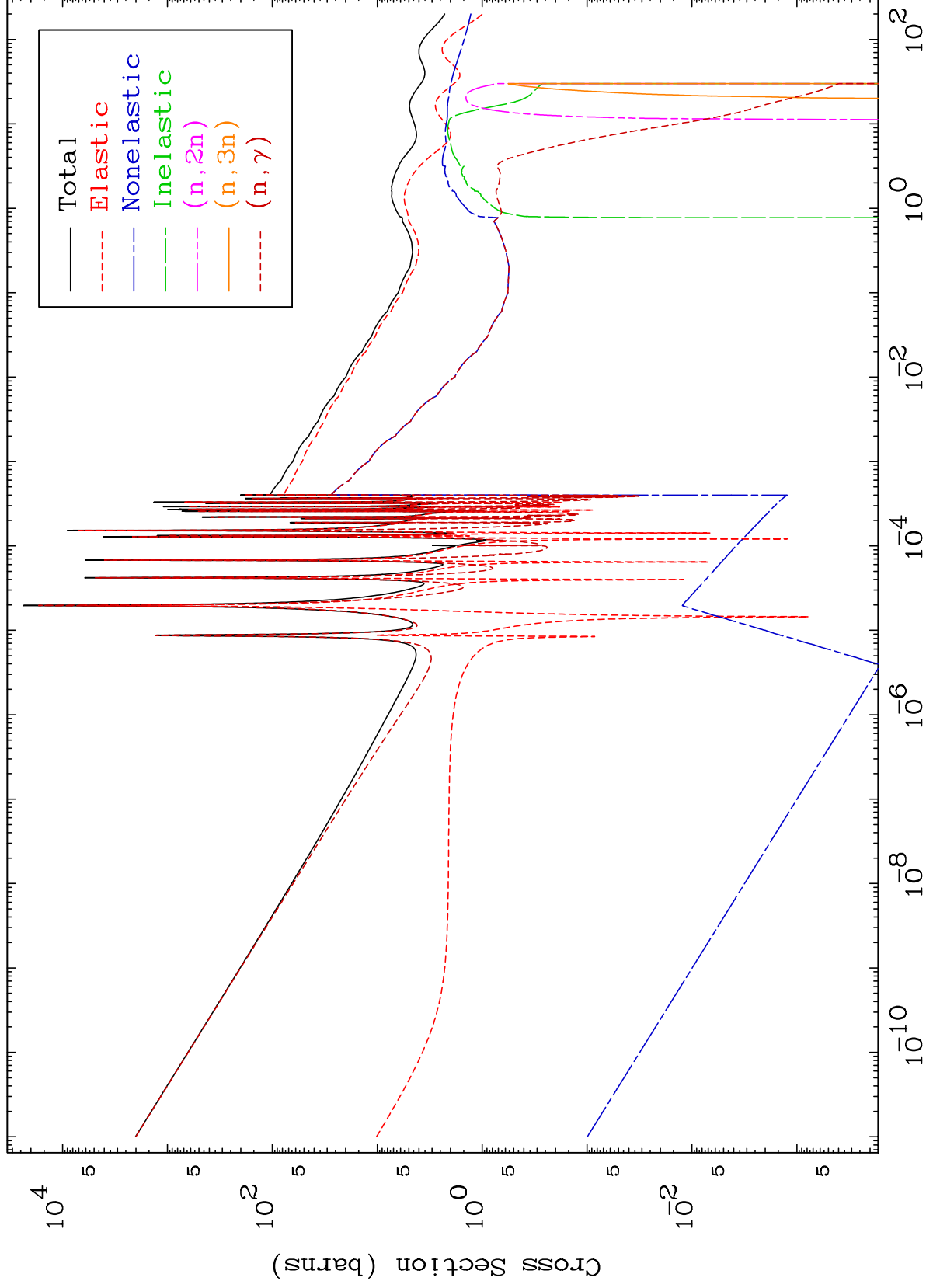
Press Mouse Button to Start

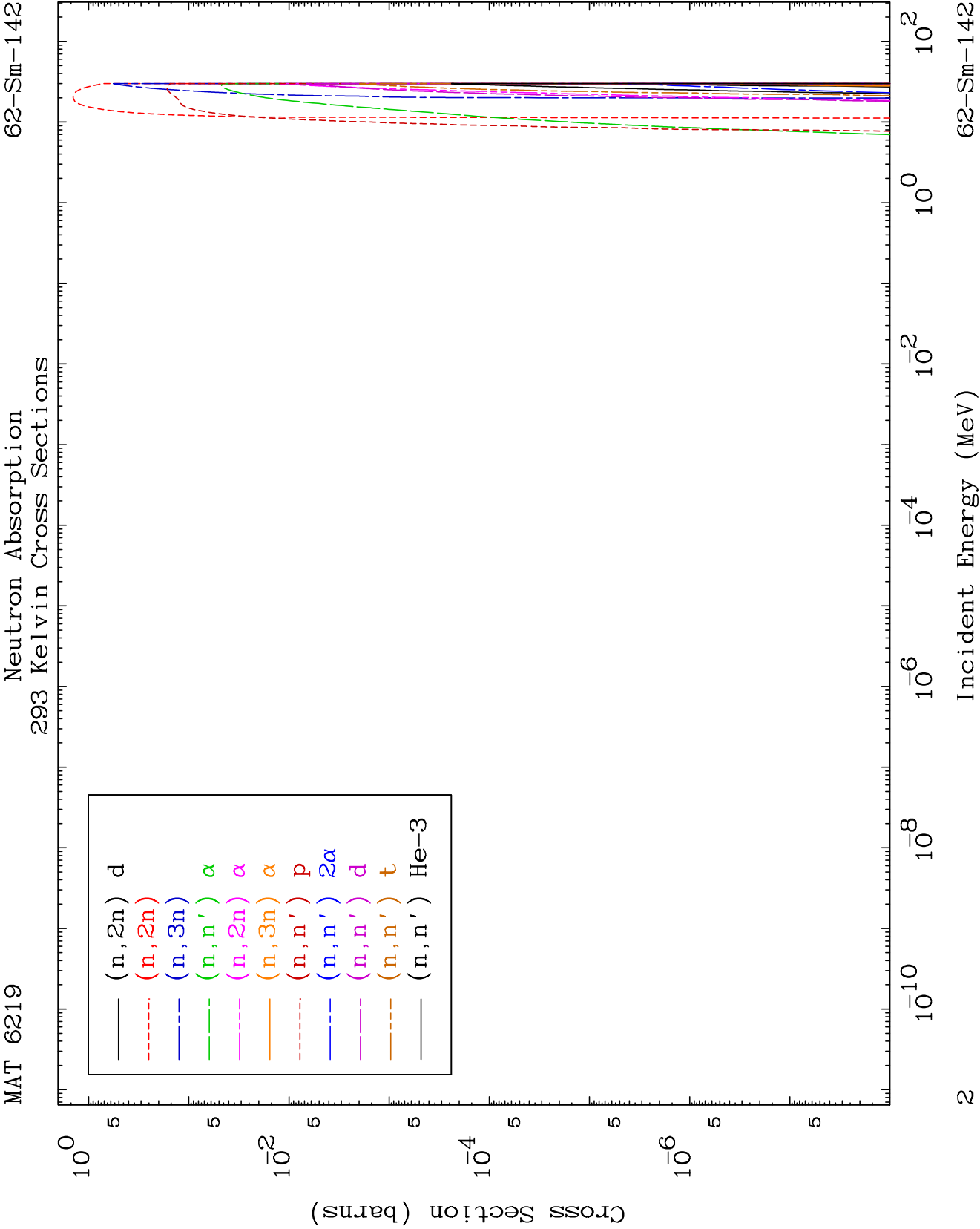
MAT 6219

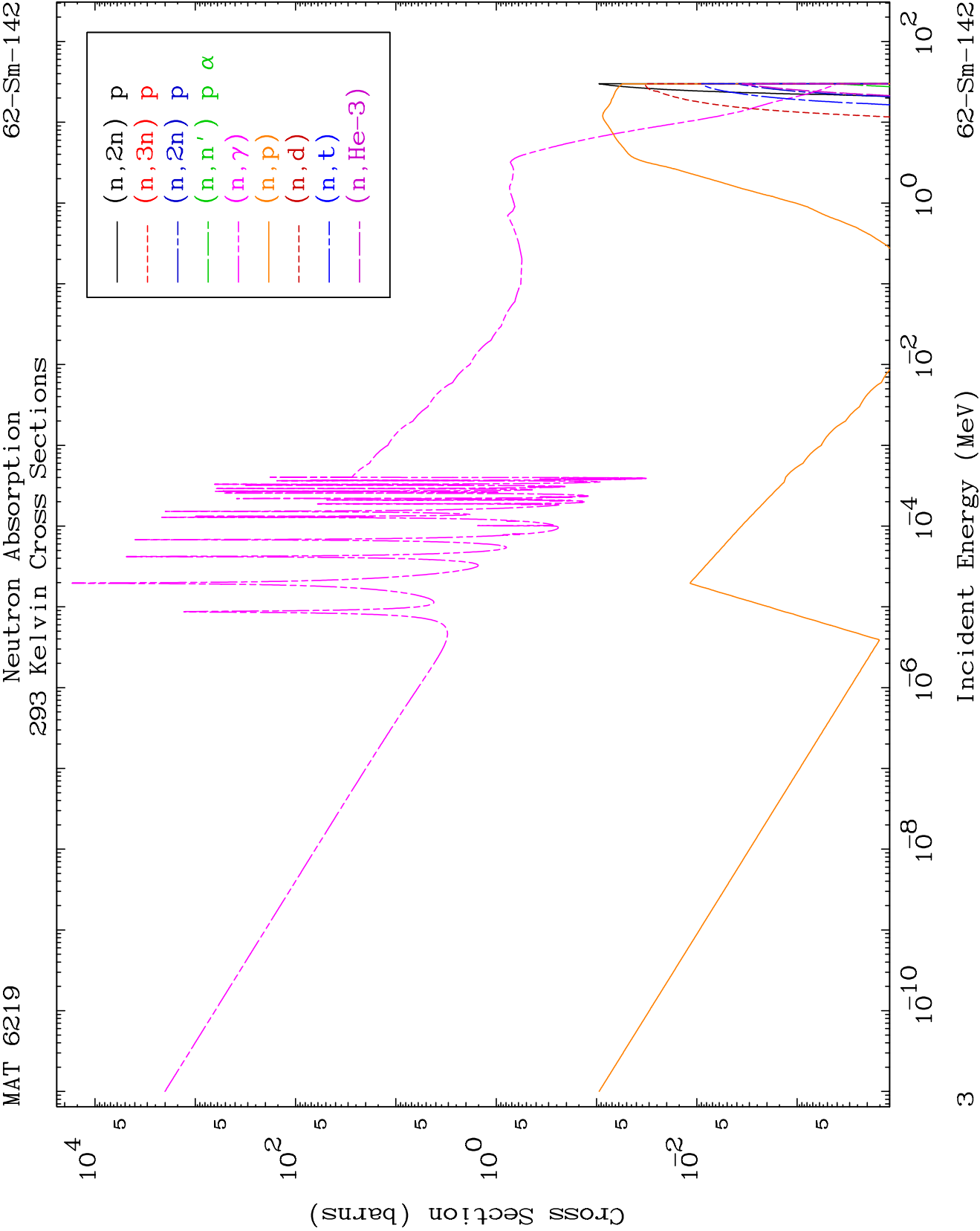
Neutron Major

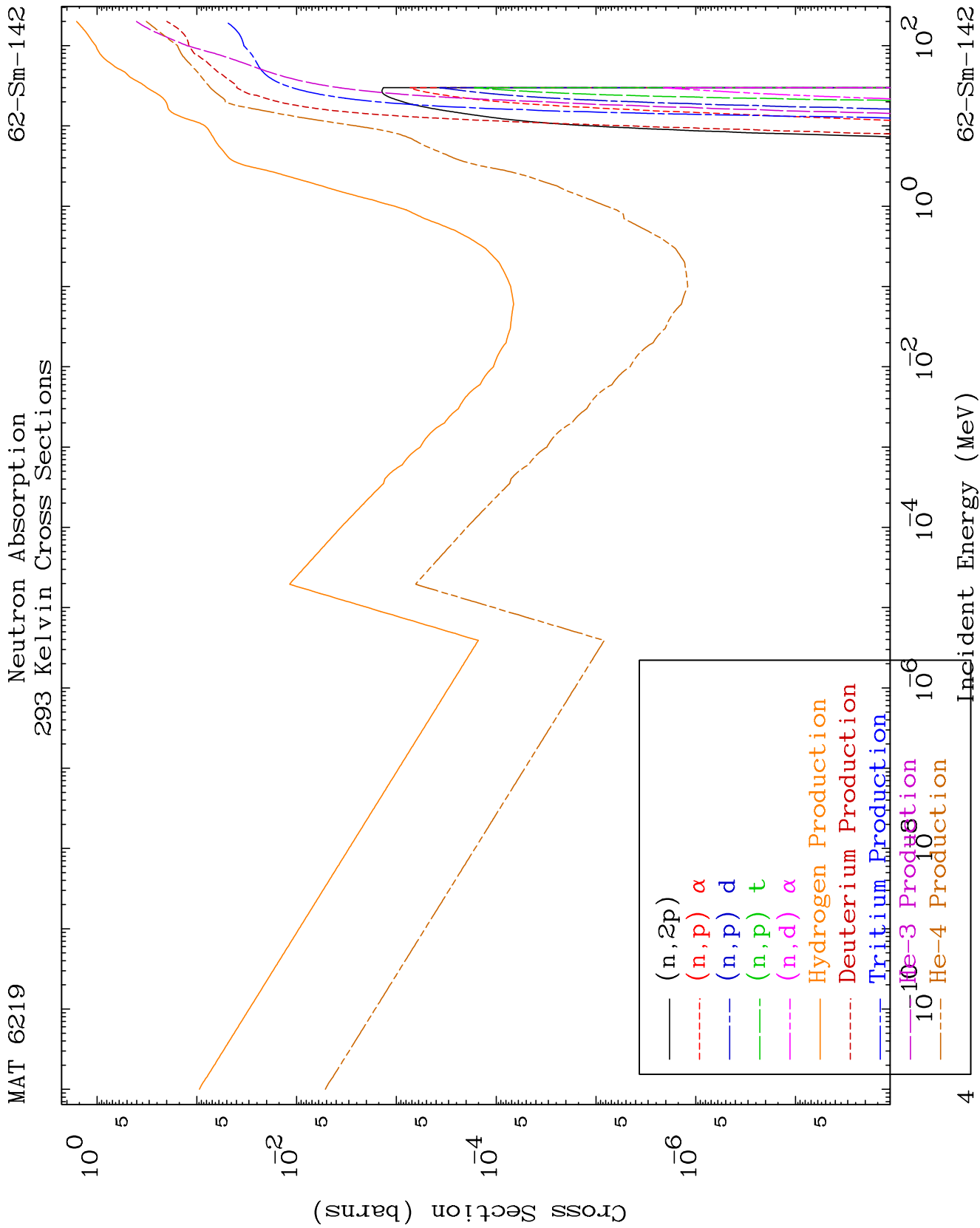
62-Sm-142

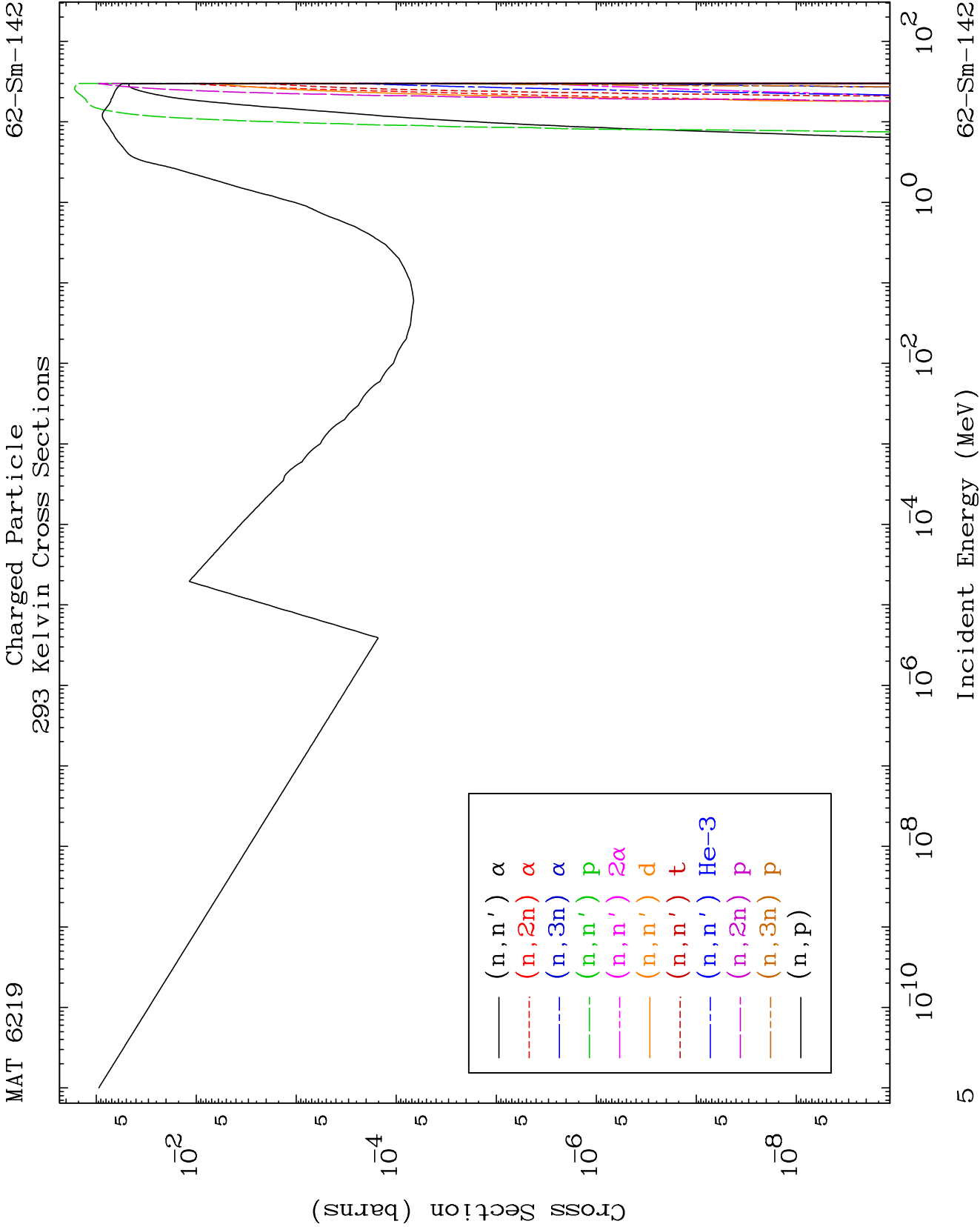
293 Kelvin Cross Sections

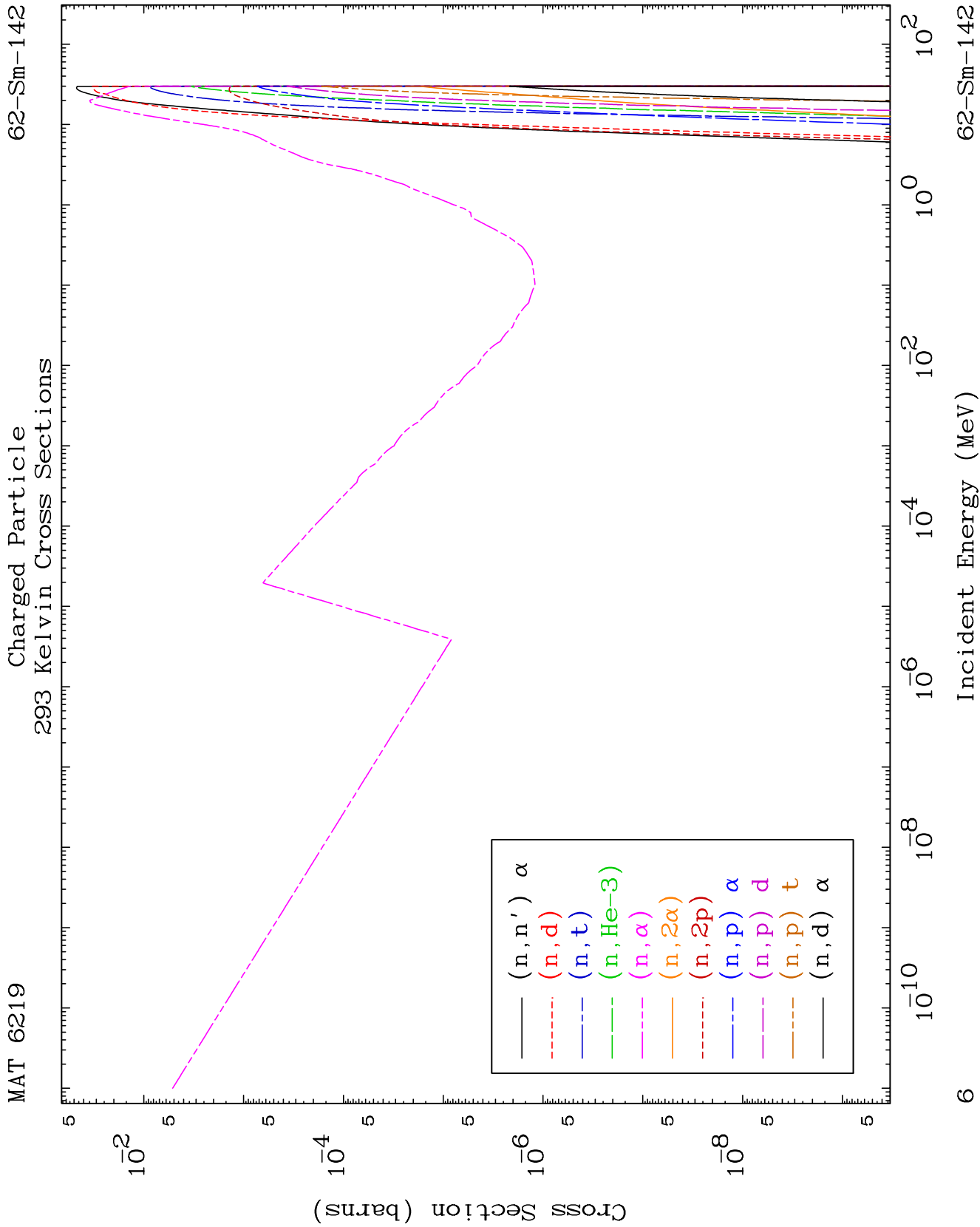








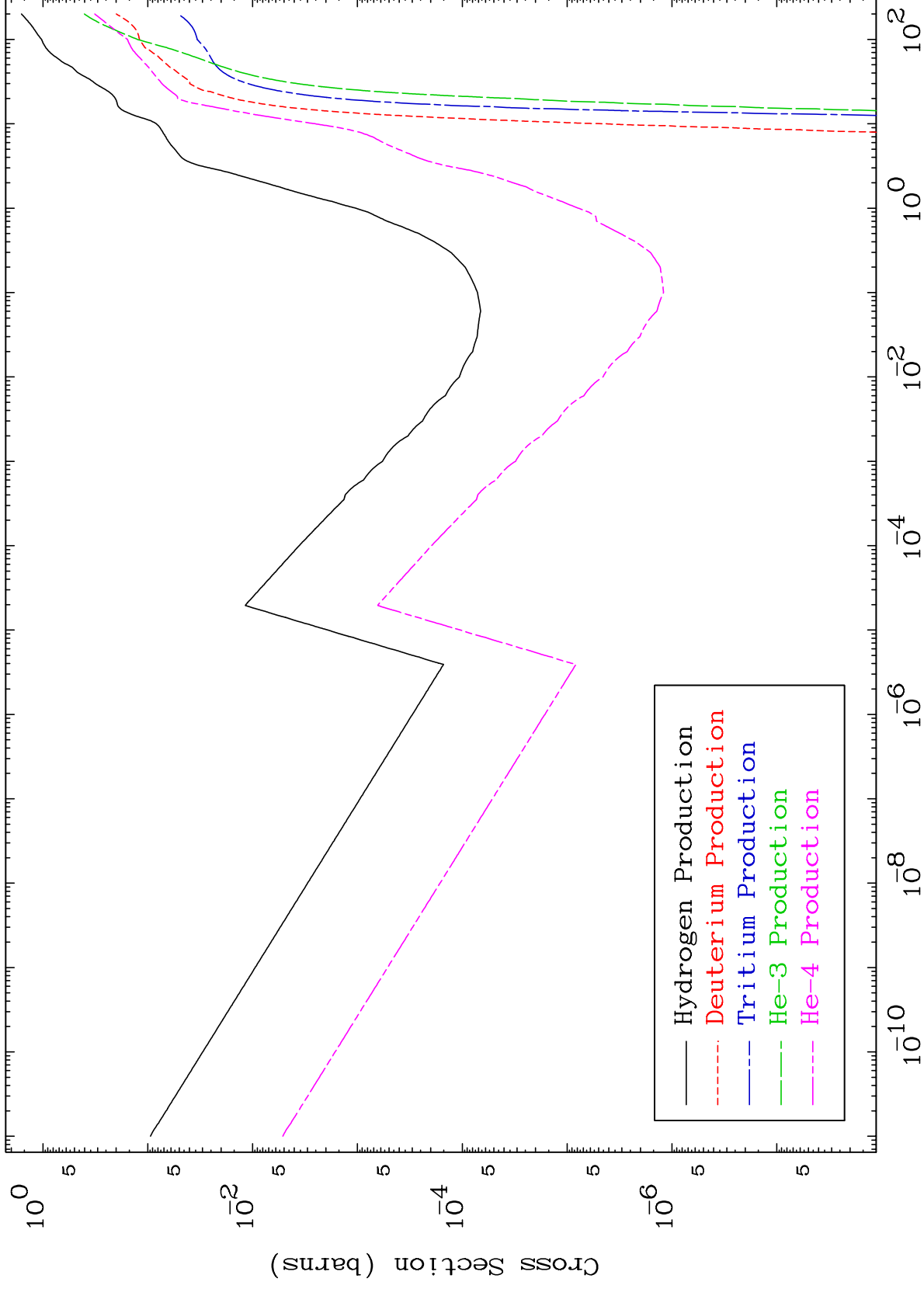


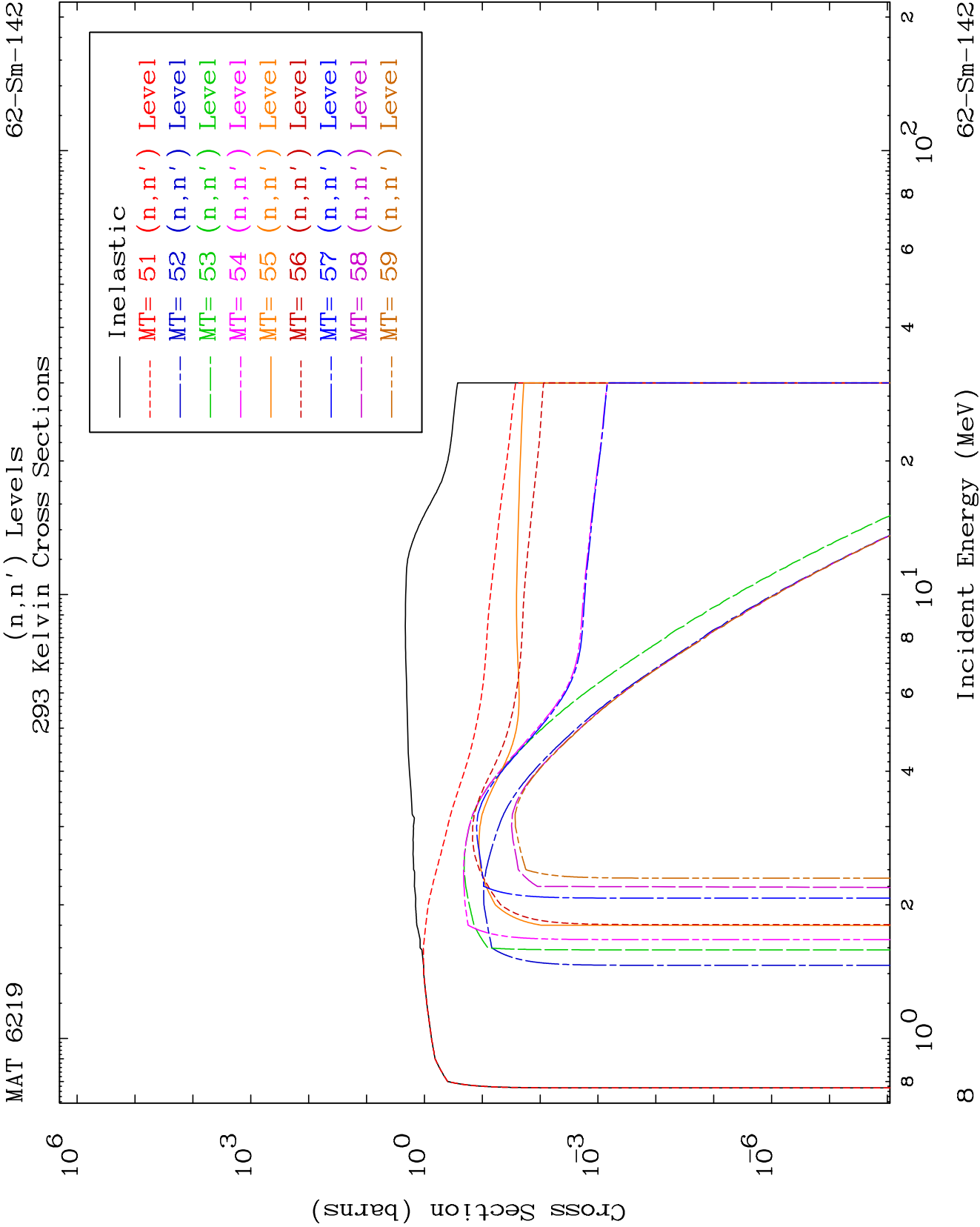


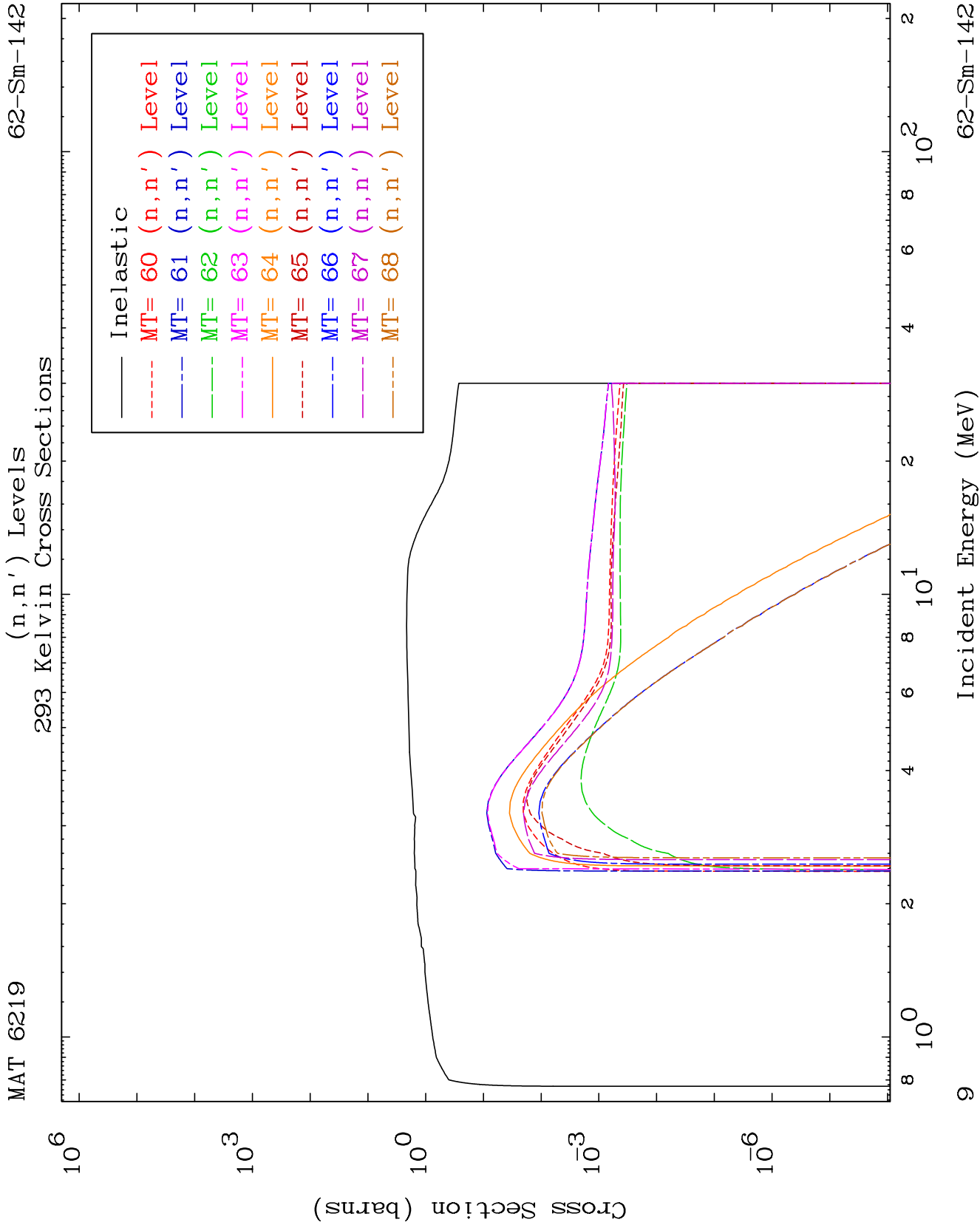
MAT 6219

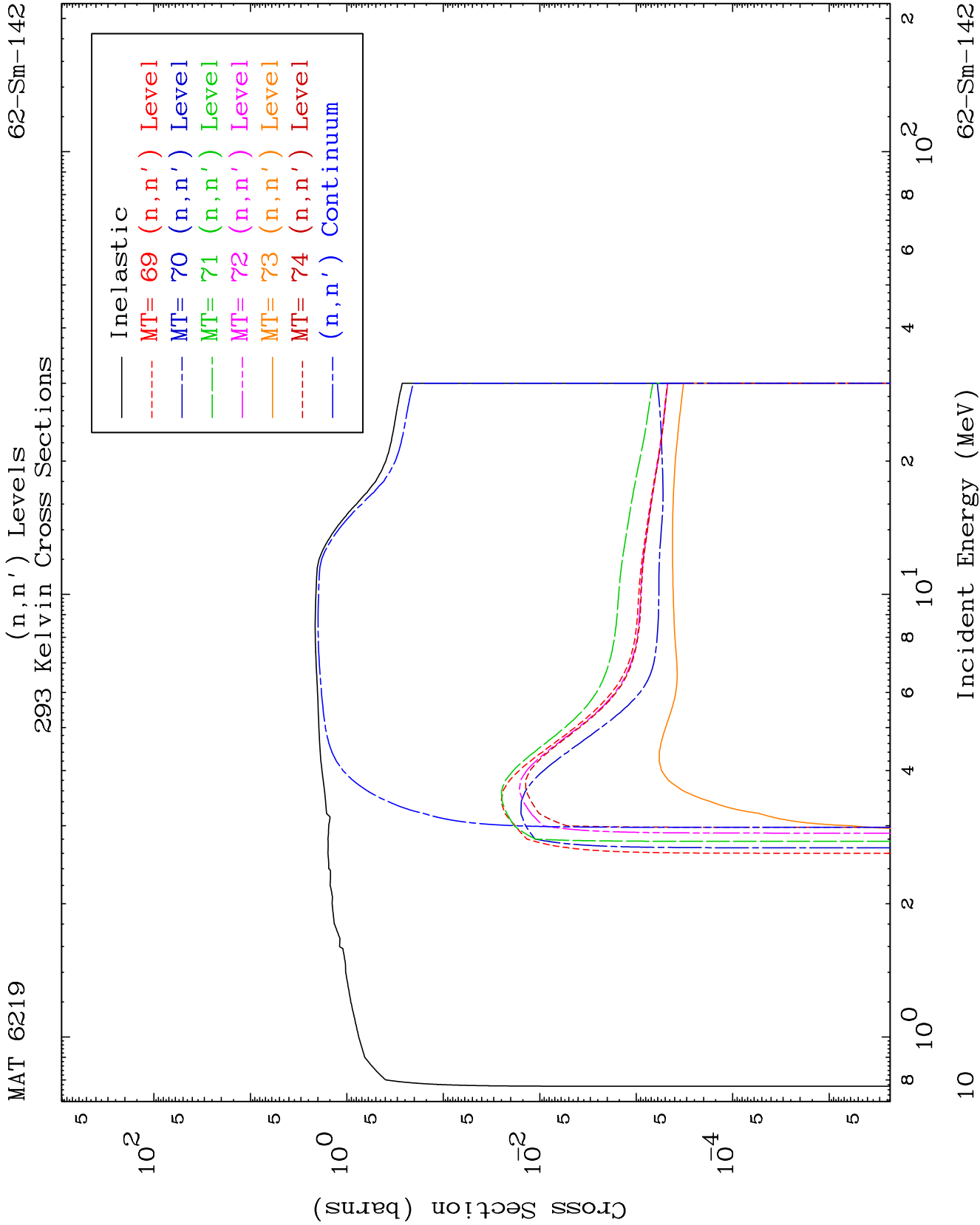
Particle Production
293 Kelvin Cross Sections

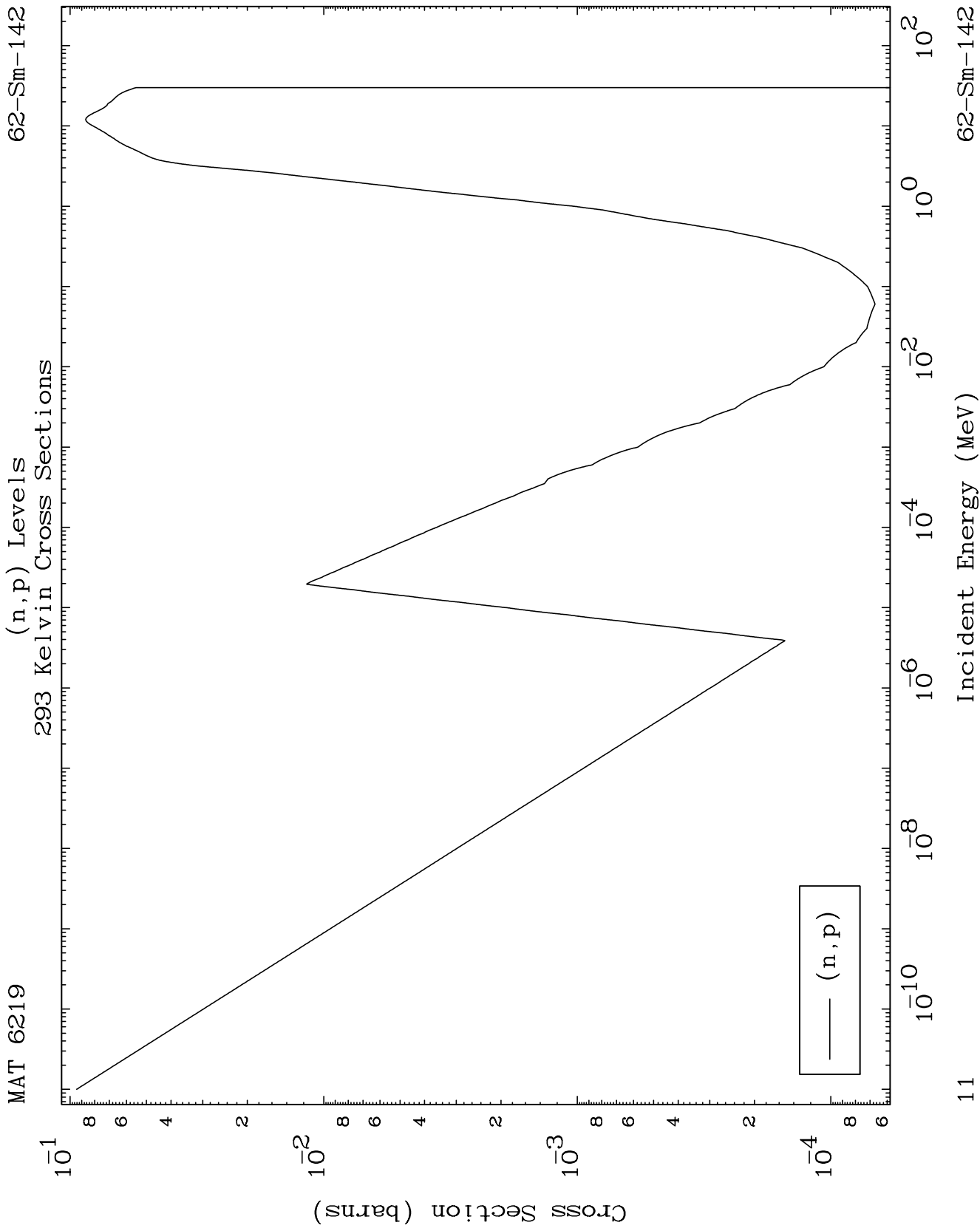
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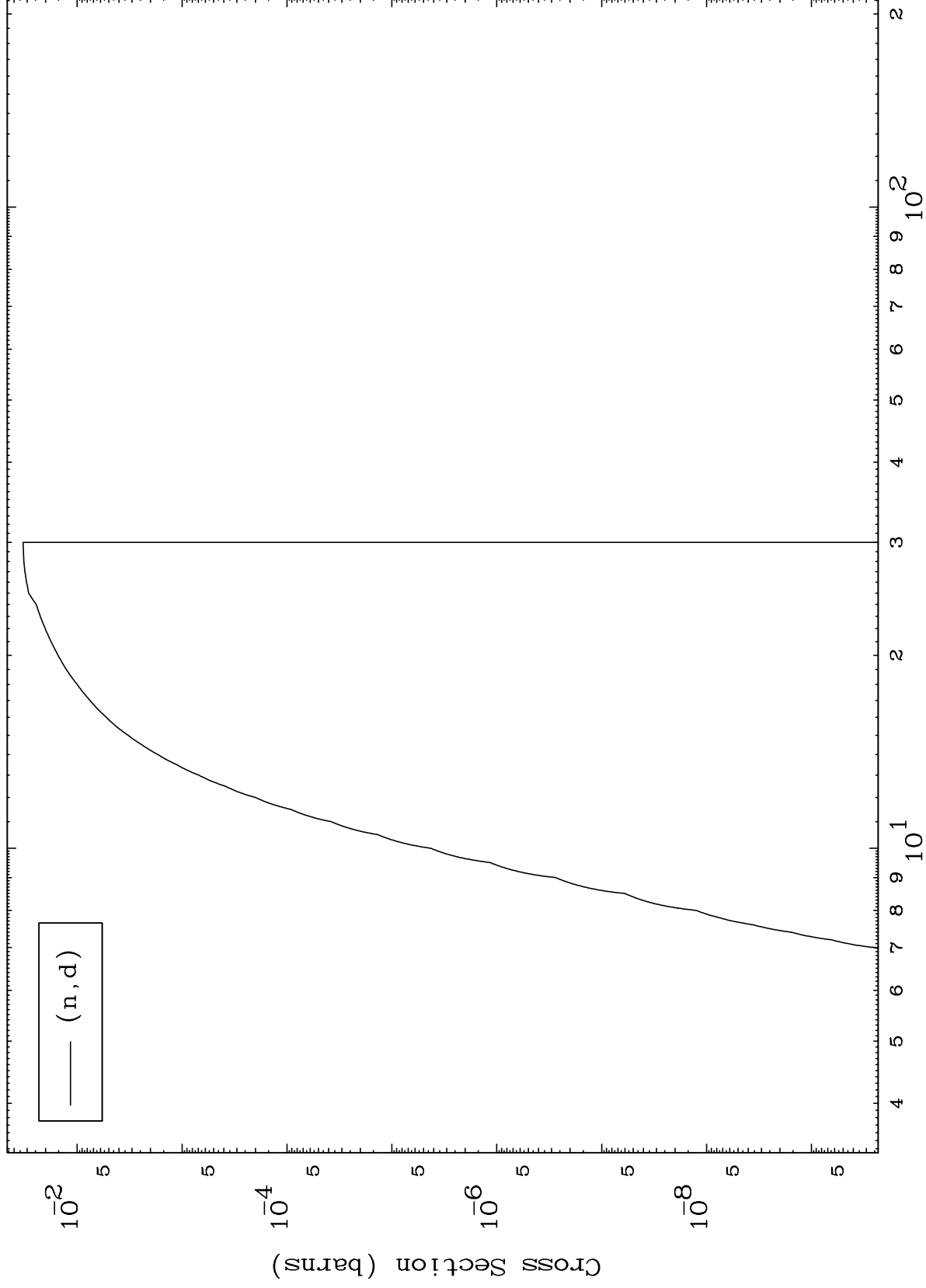




MAT 6219

62-Sm-142

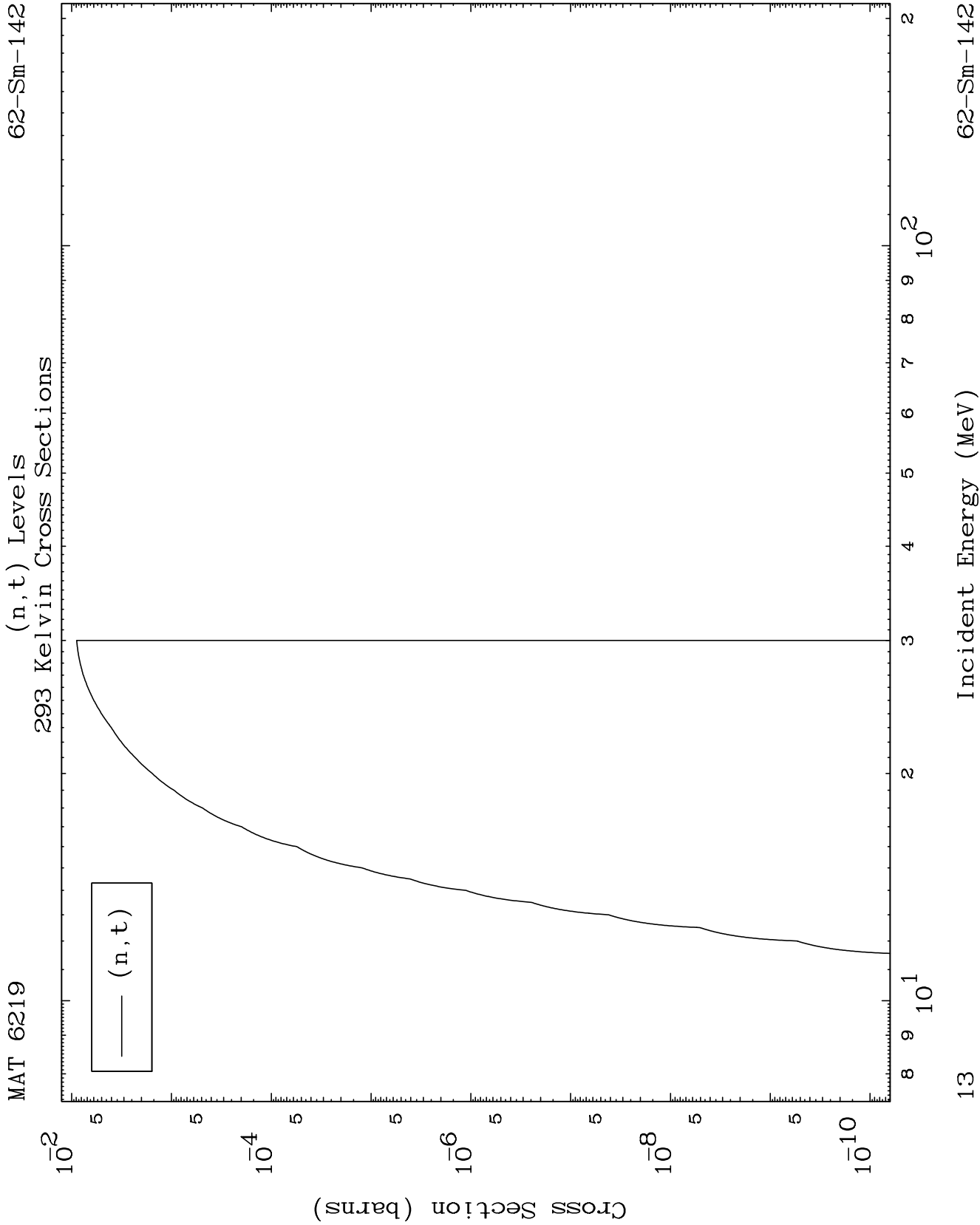
(n,d) Levels
293 Kelvin Cross Sections

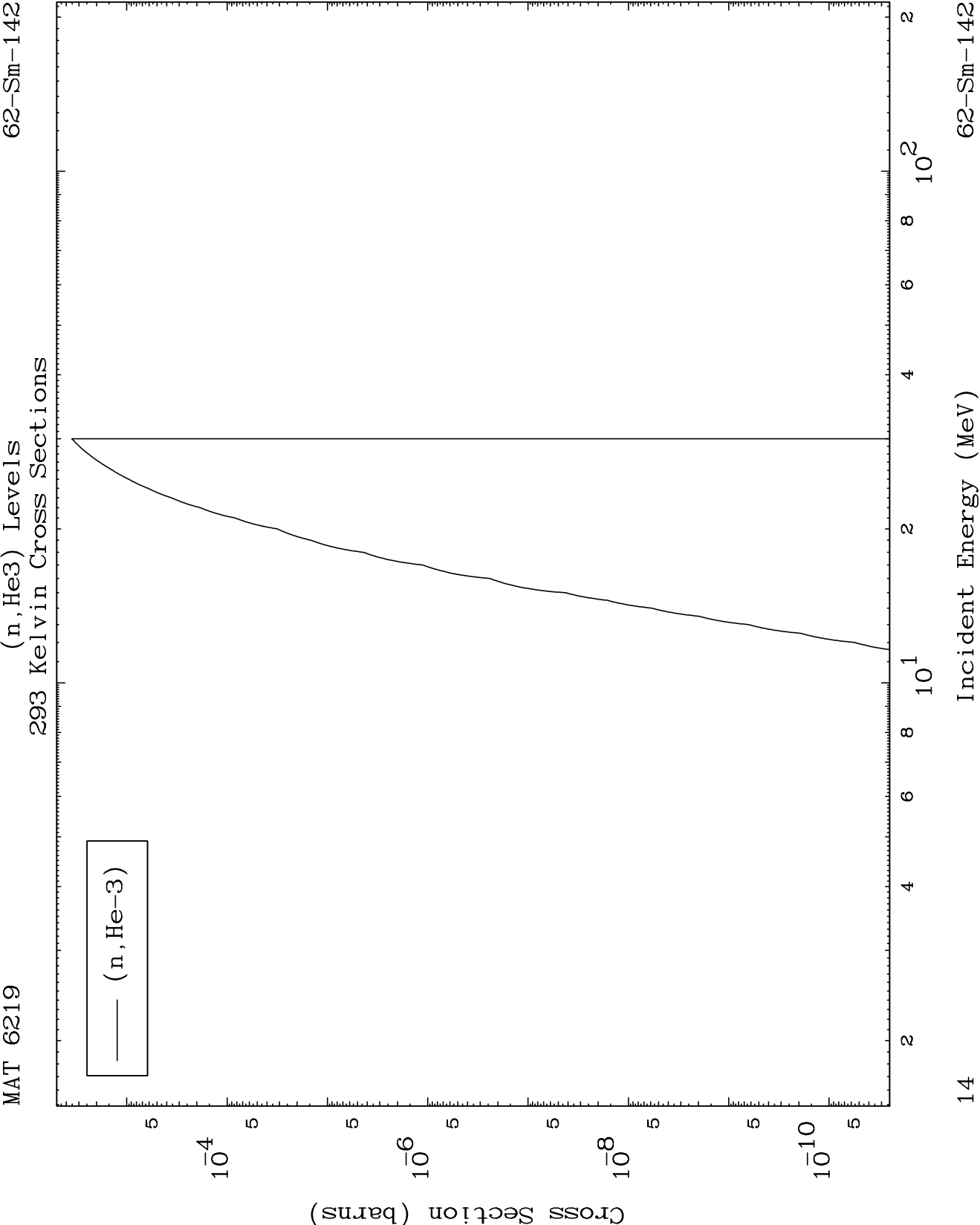


62-Sm-142

Incident Energy (MeV)

12

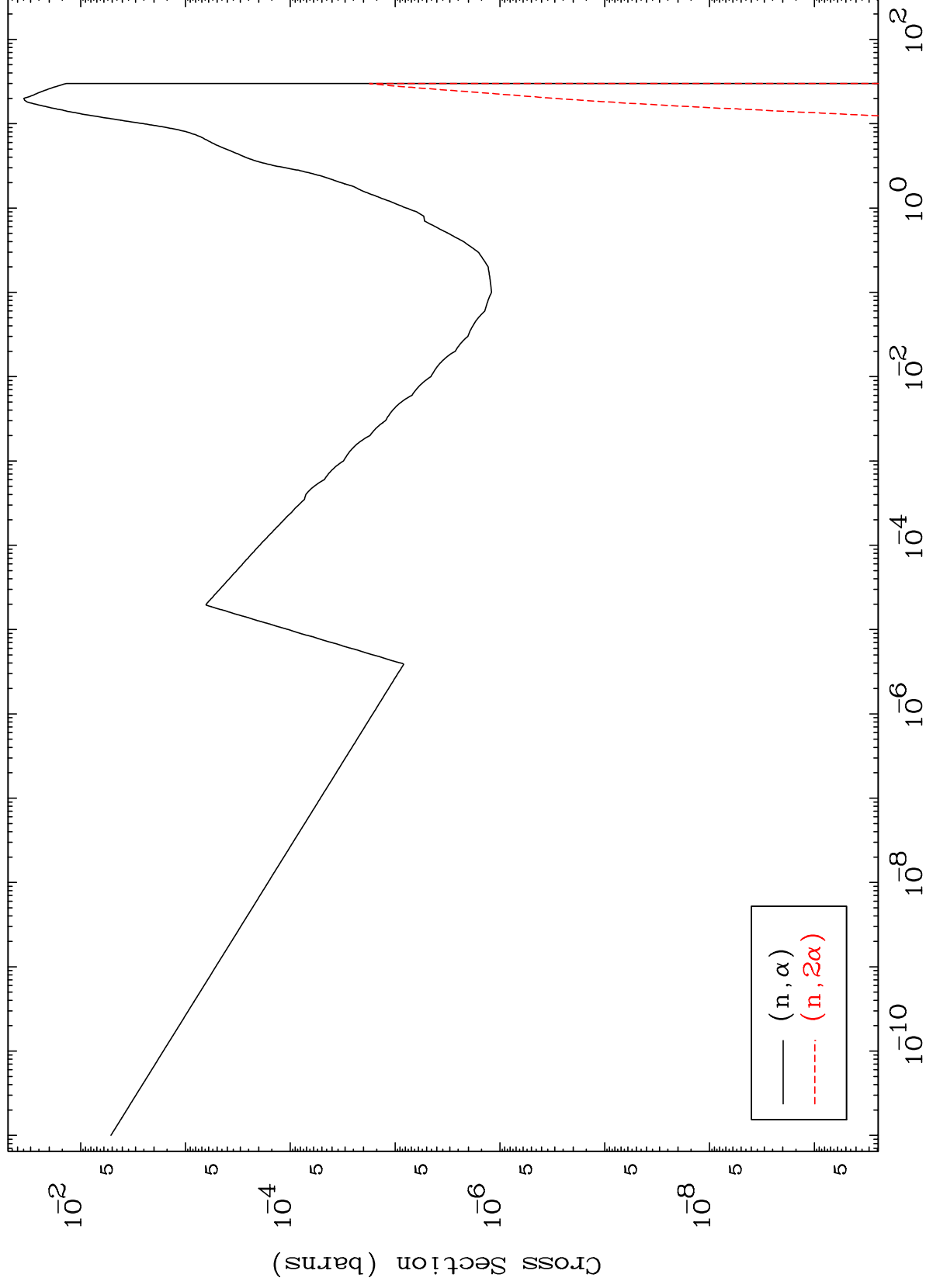




MAT 6219

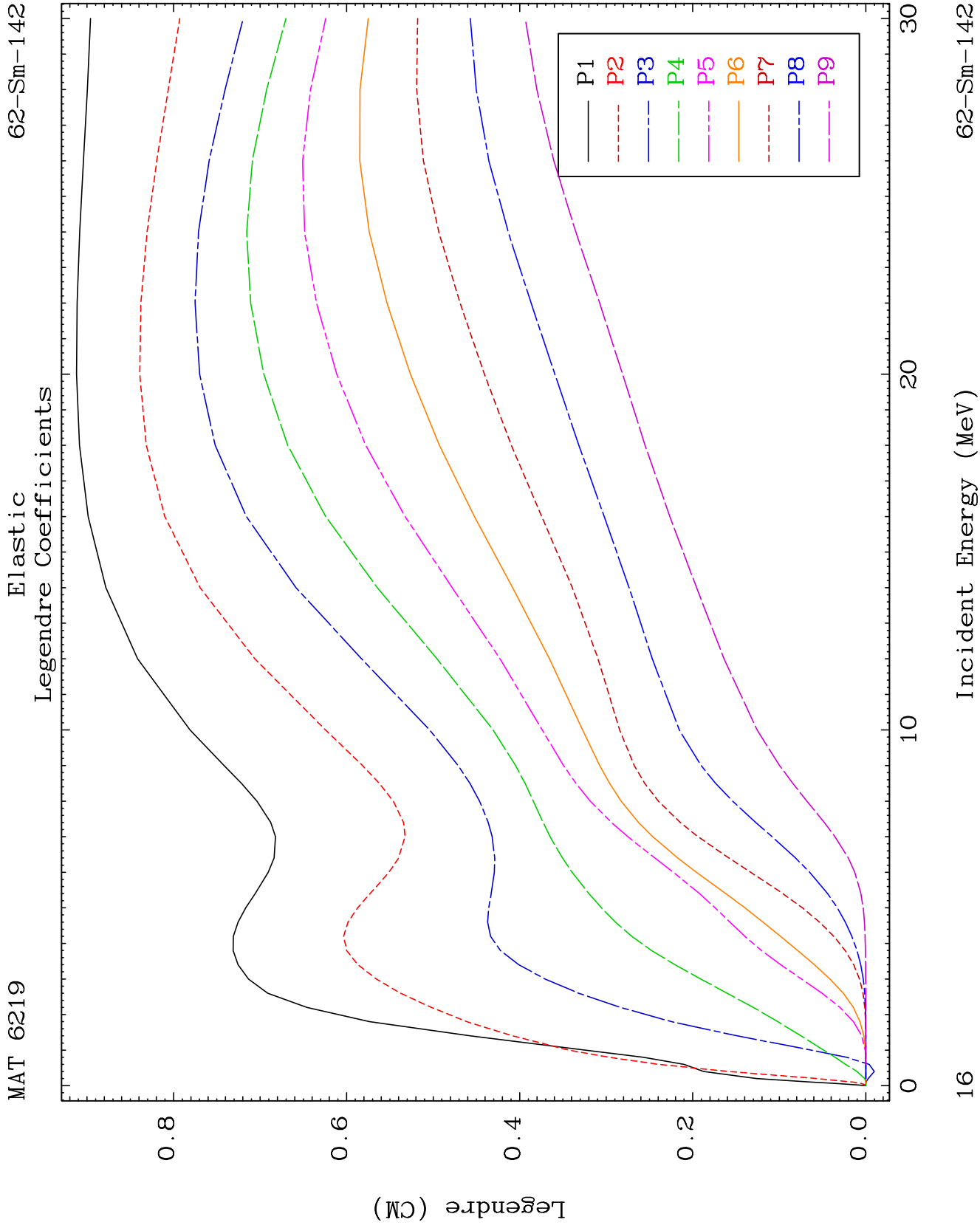
(n, α) Levels
293 Kelvin Cross Sections

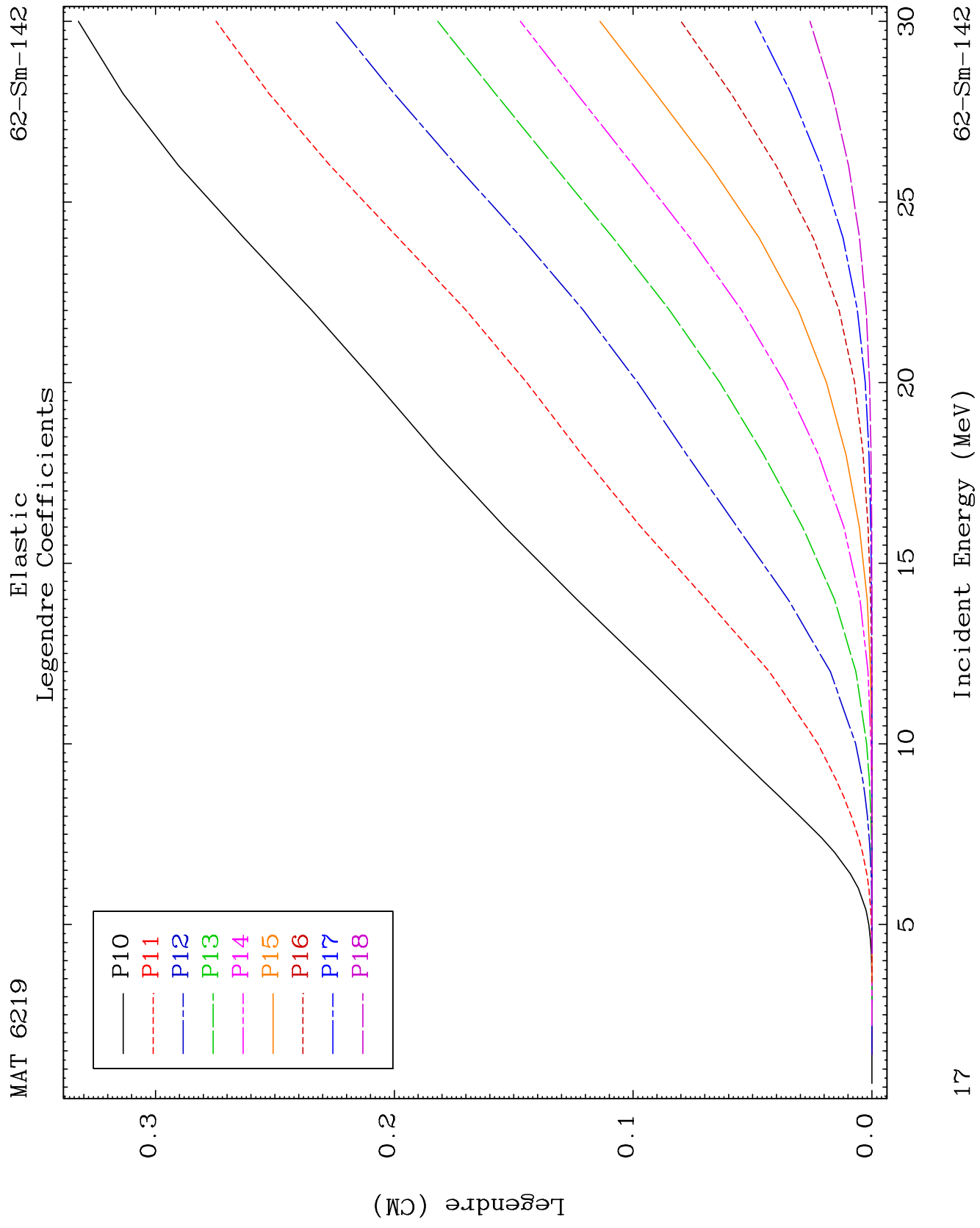
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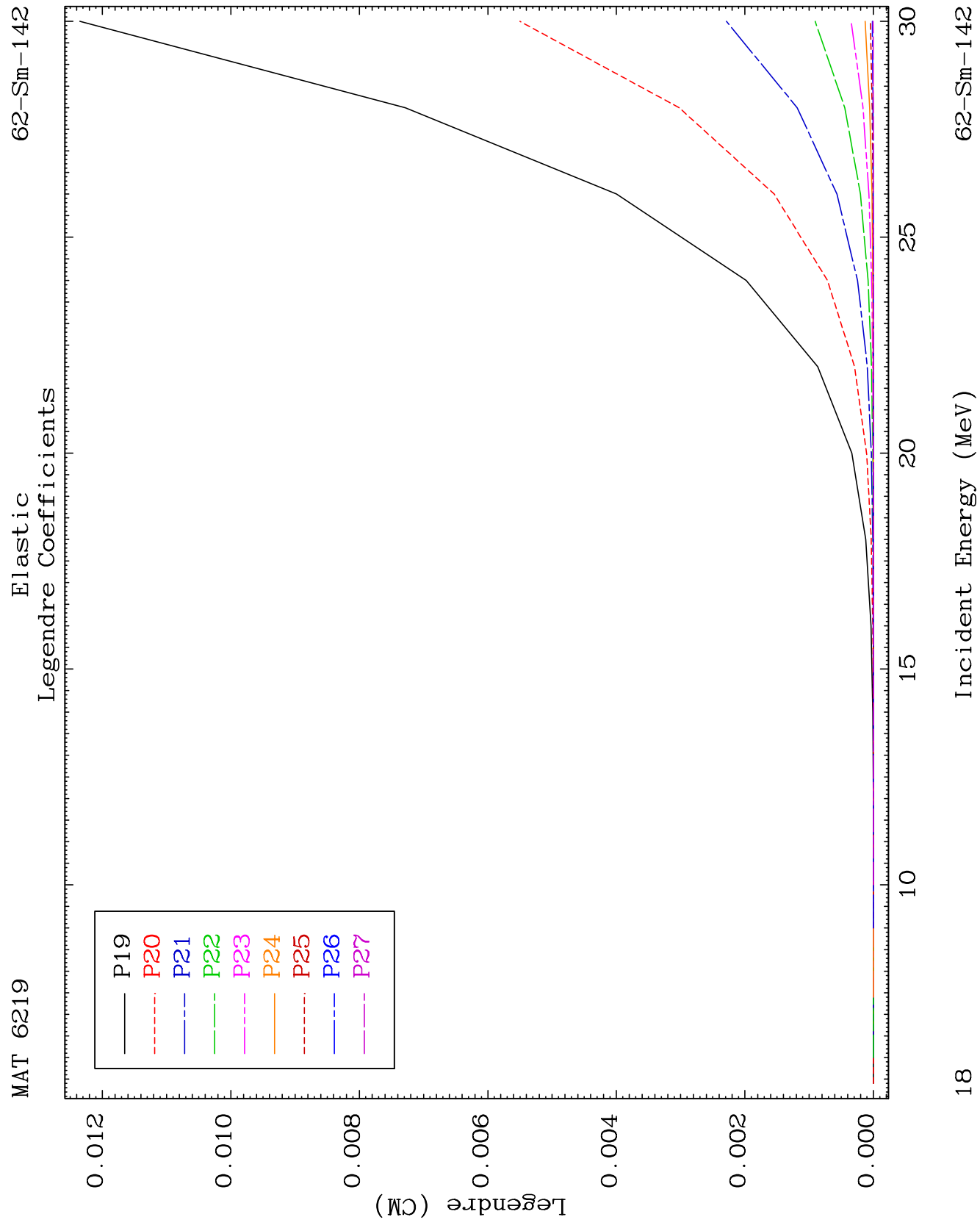


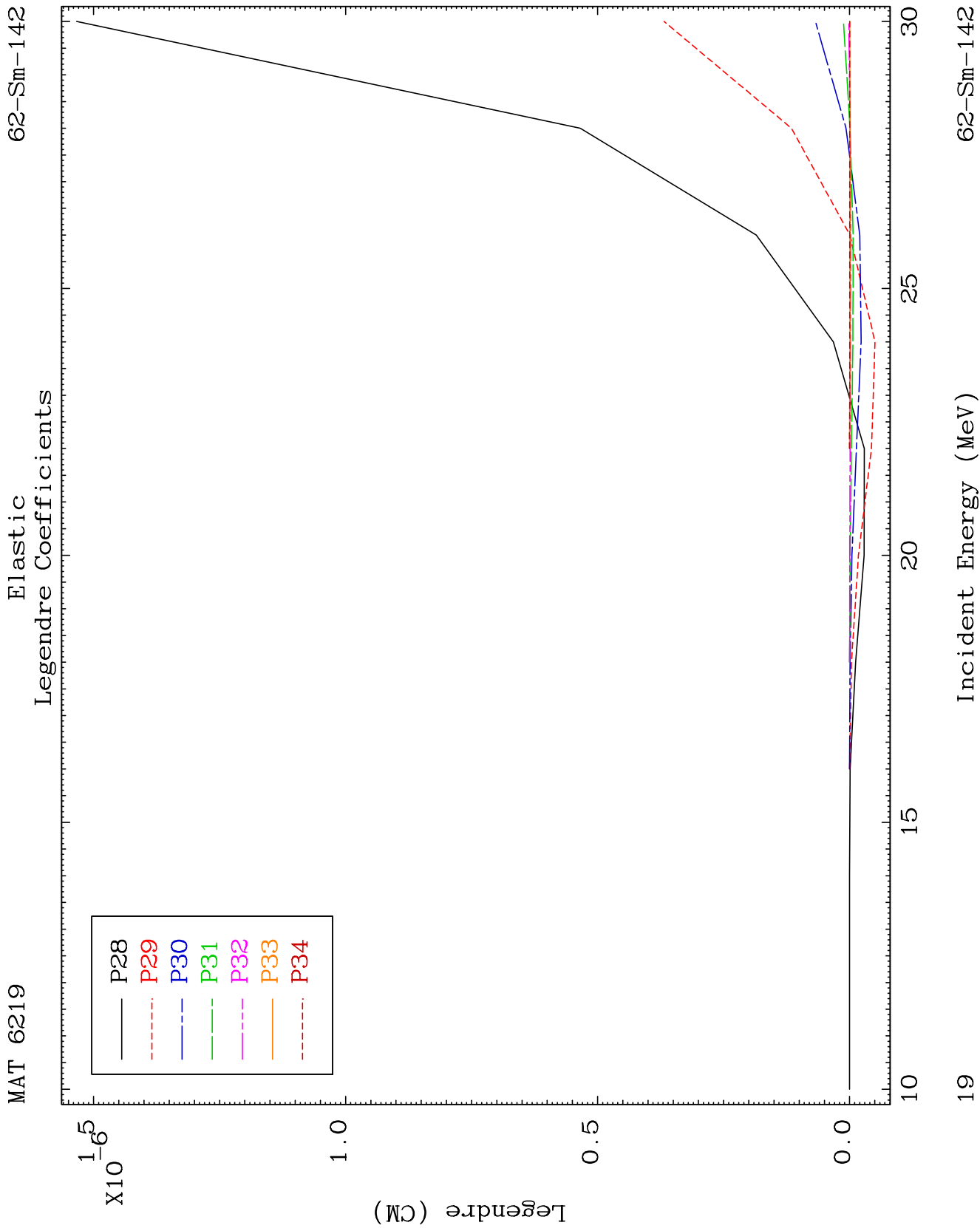
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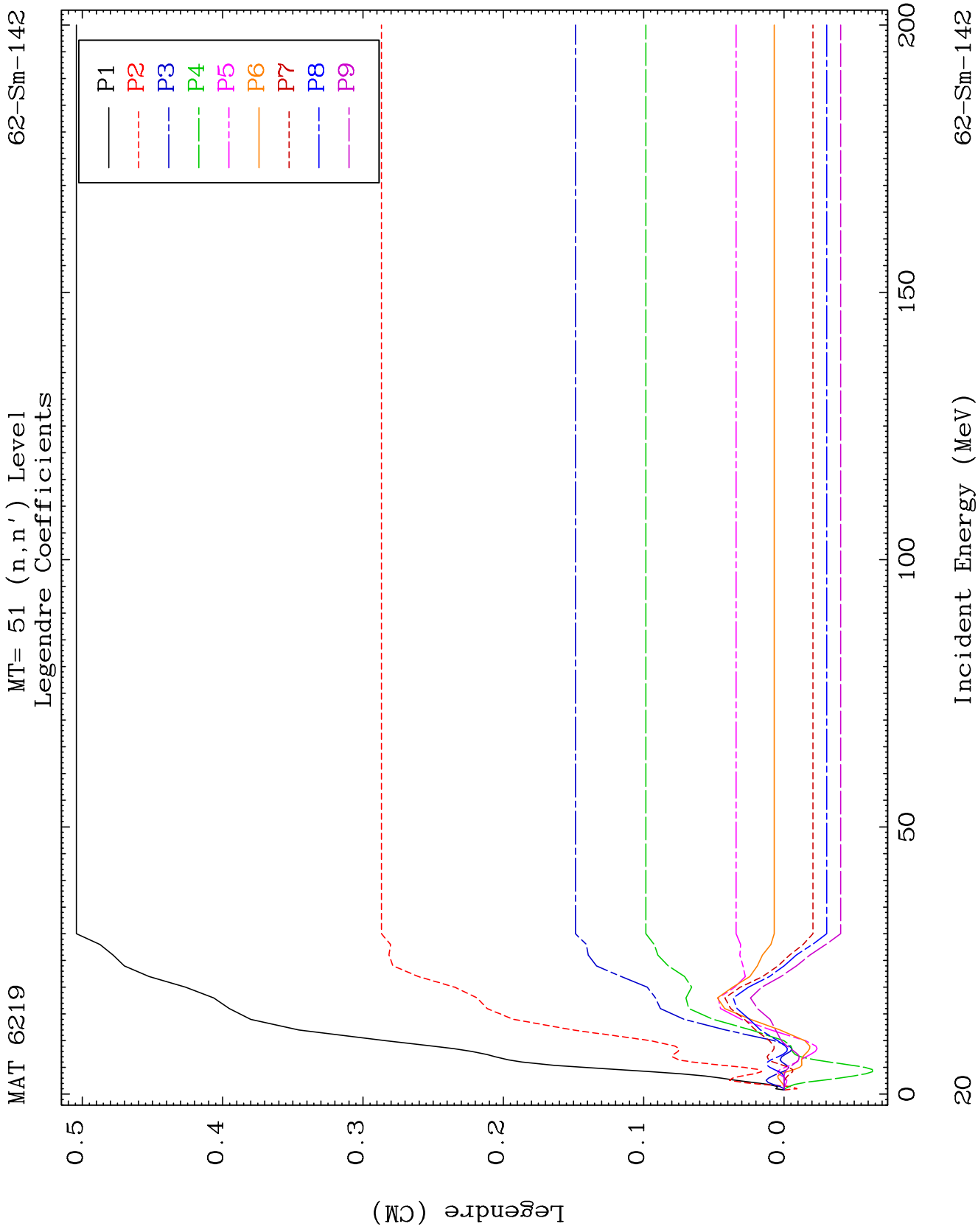
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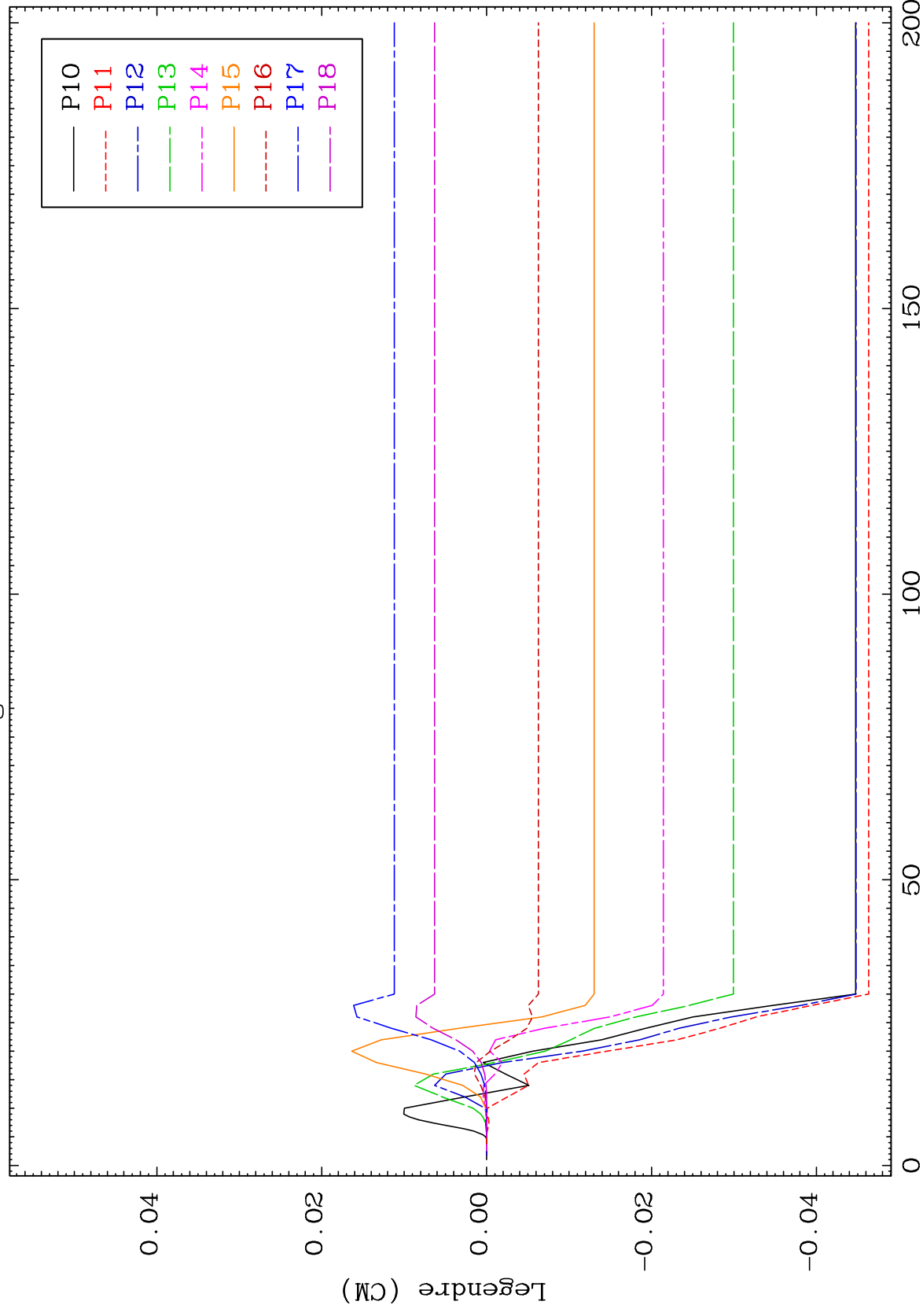




MAT 6219

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

62-Sm-142



21

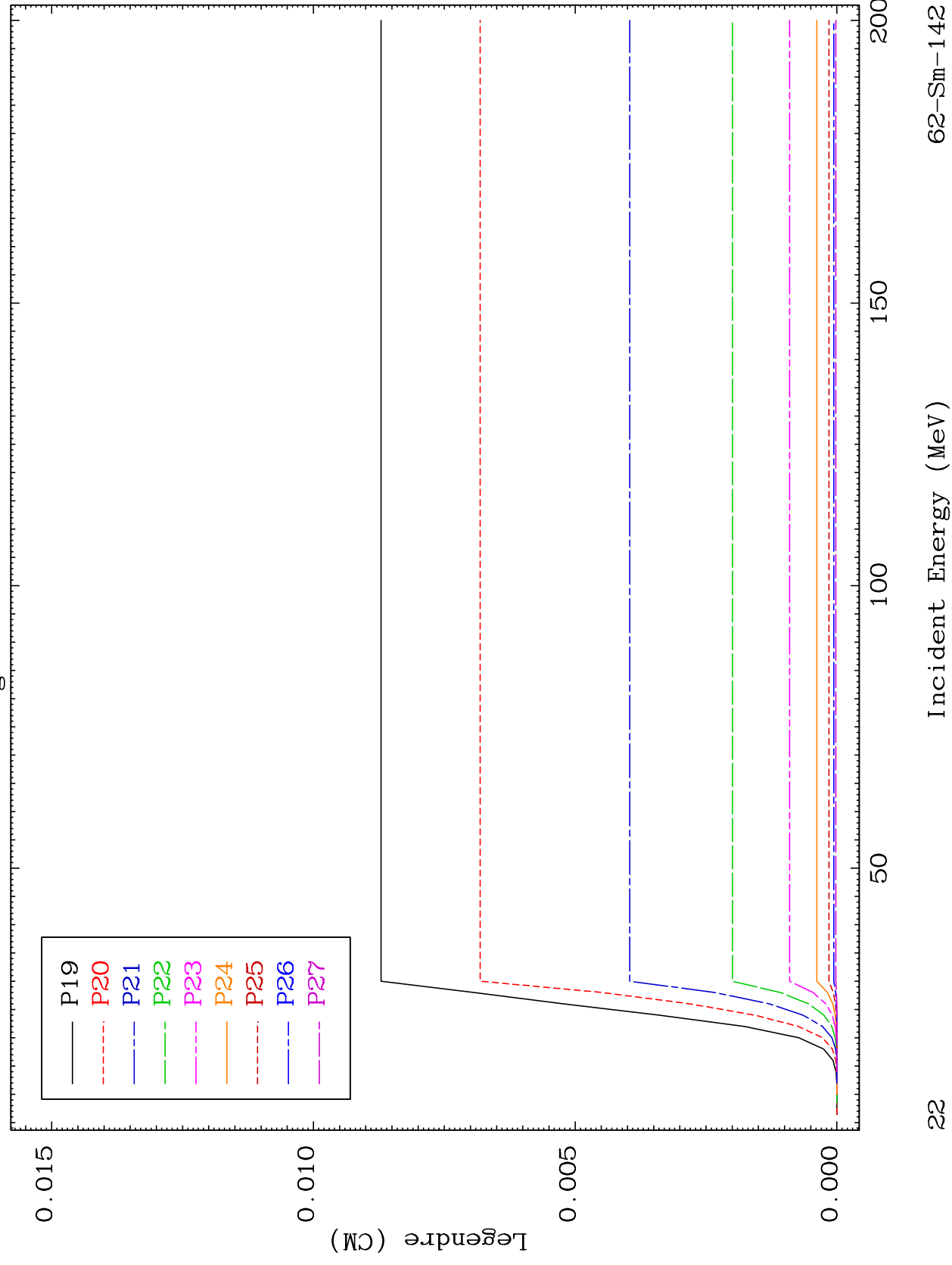
Incident Energy (MeV)

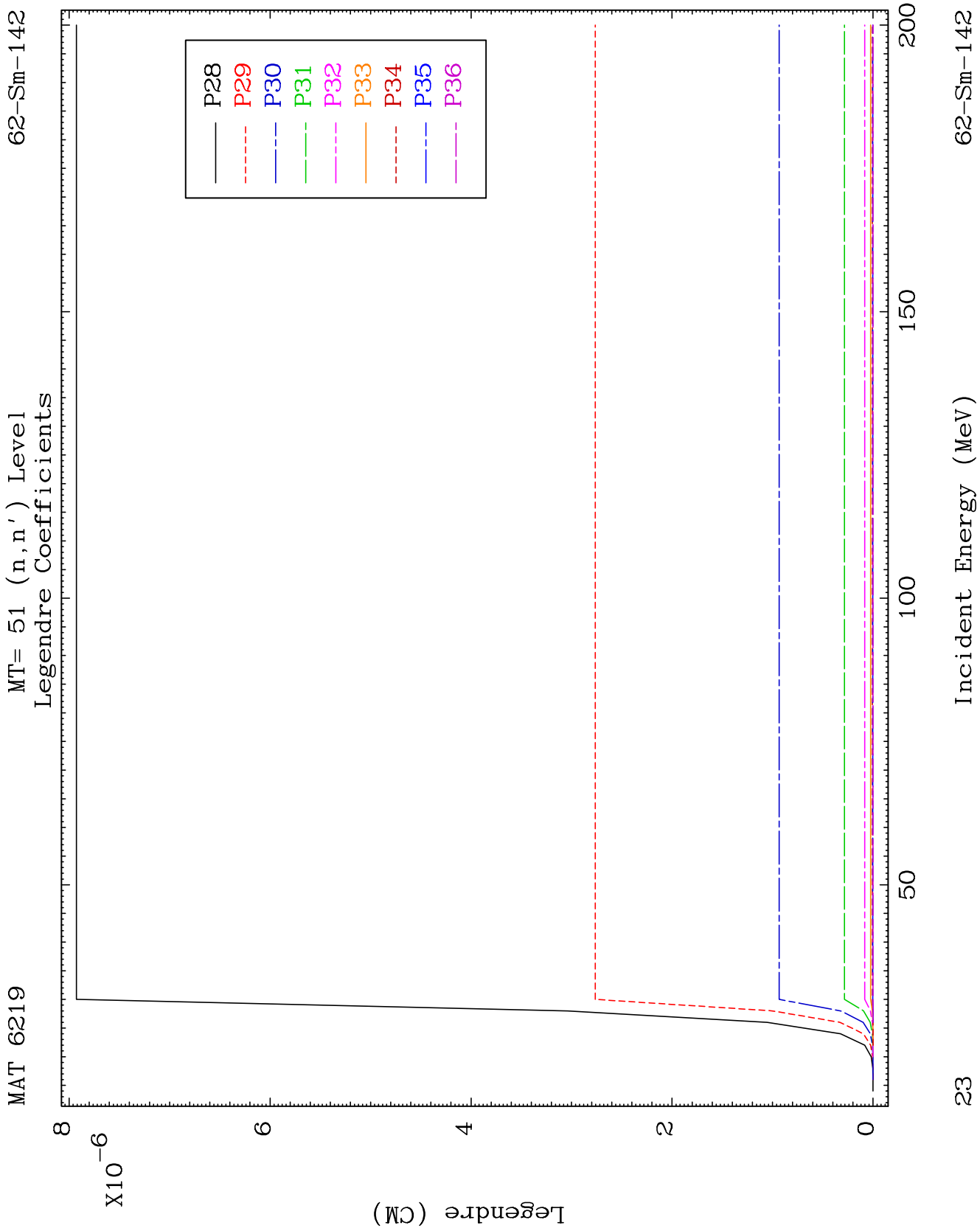
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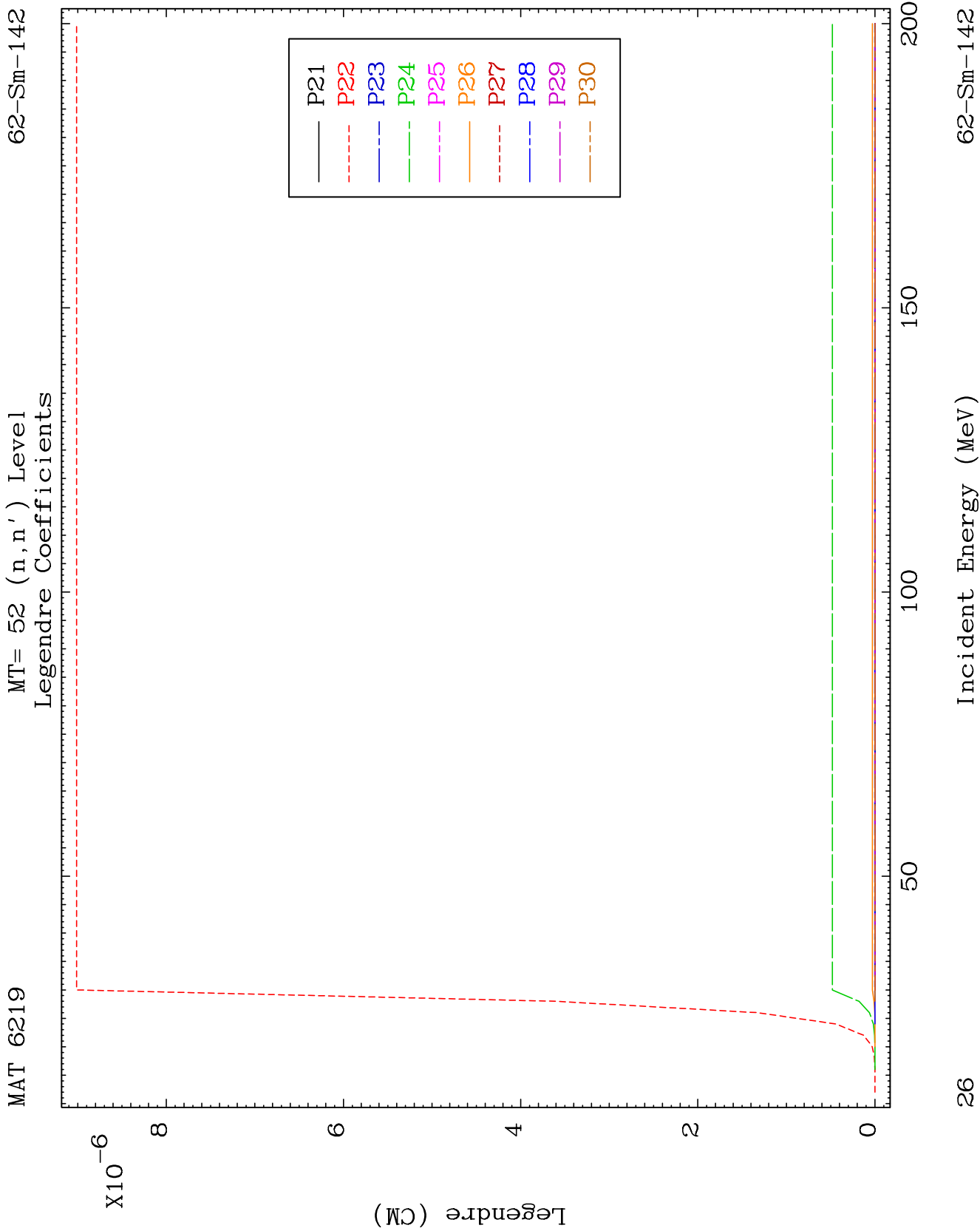
MAT 6219

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

62-Sm-142



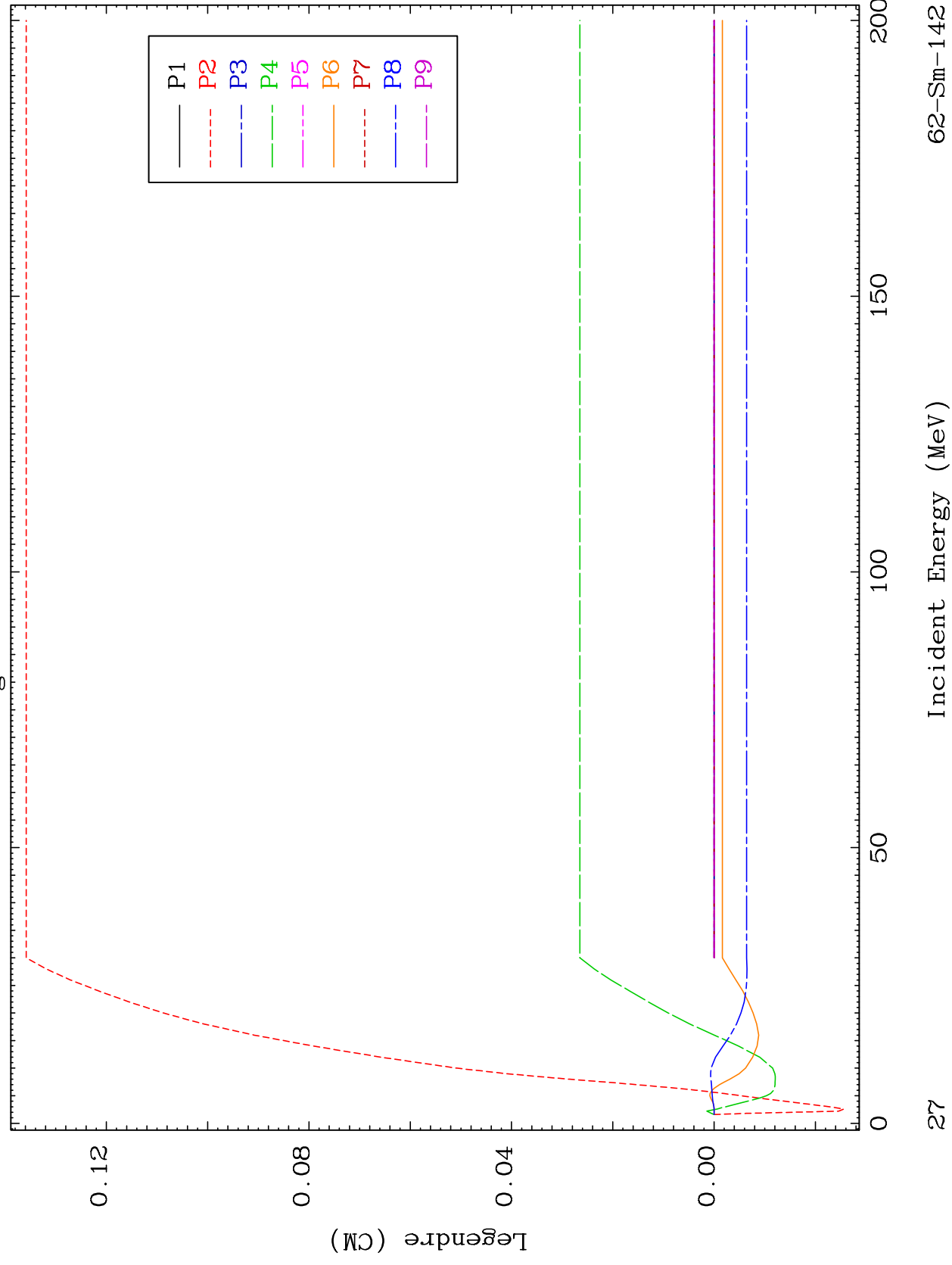


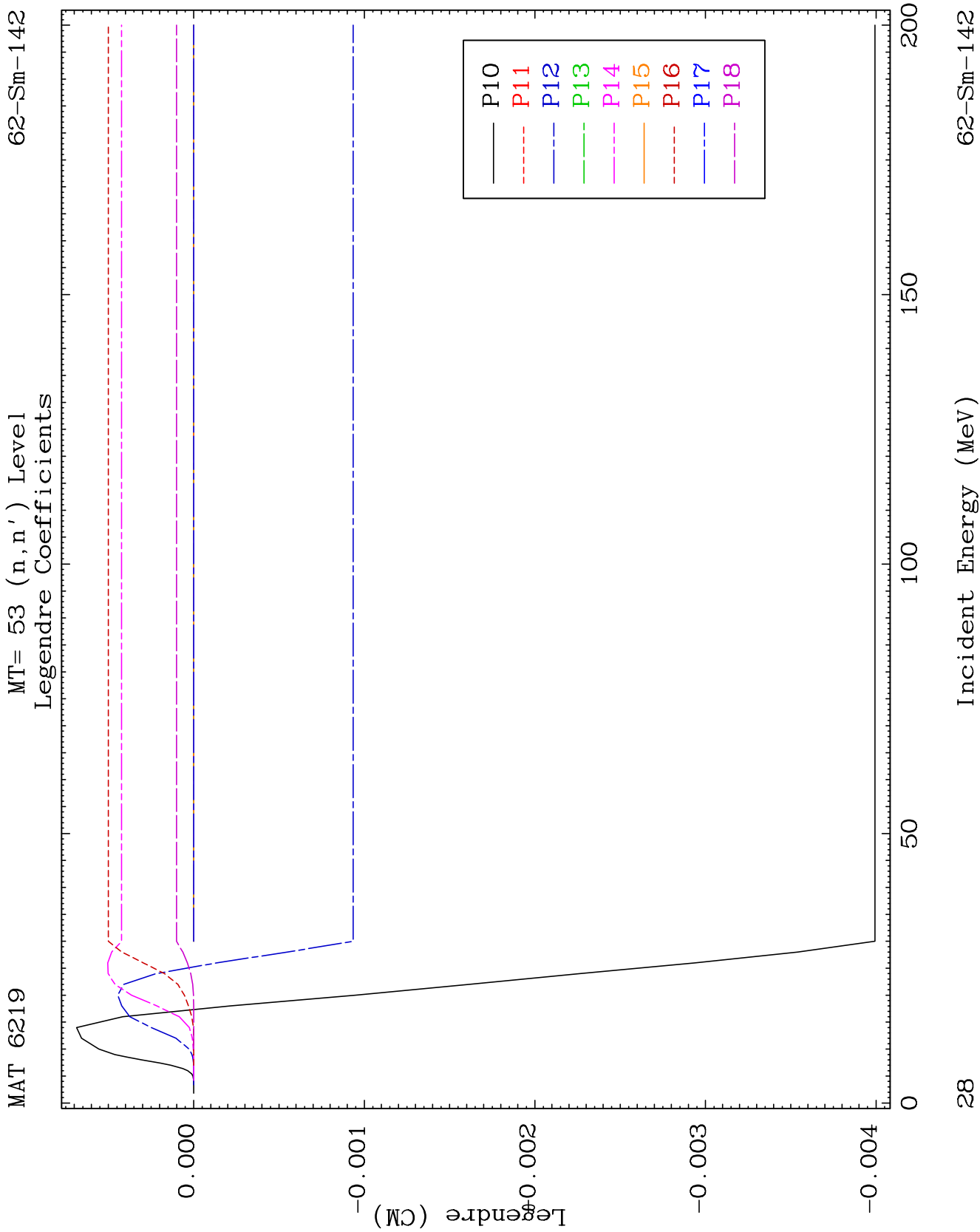


MAT 6219

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

62-Sm-142

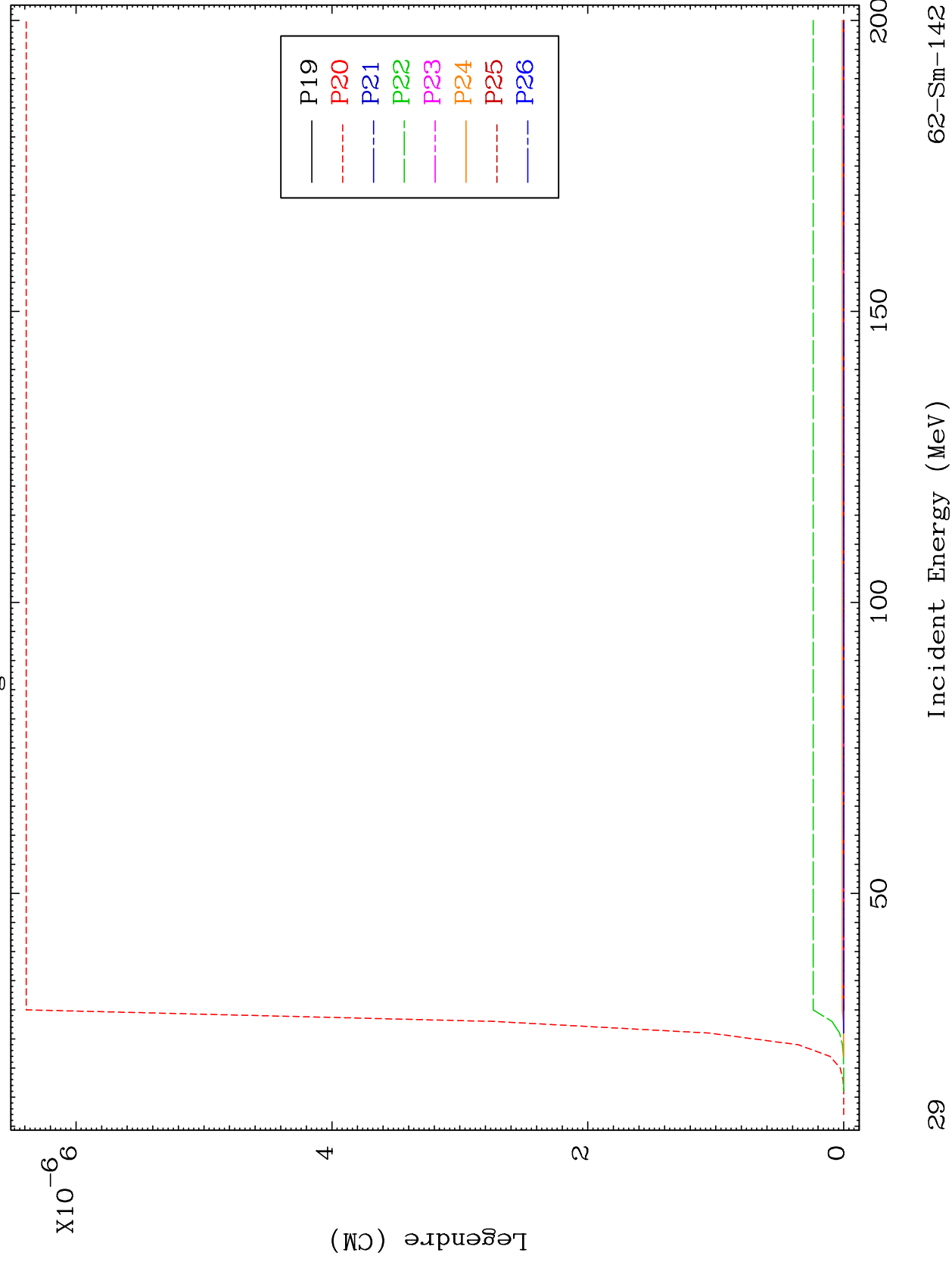




MAT 6219

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

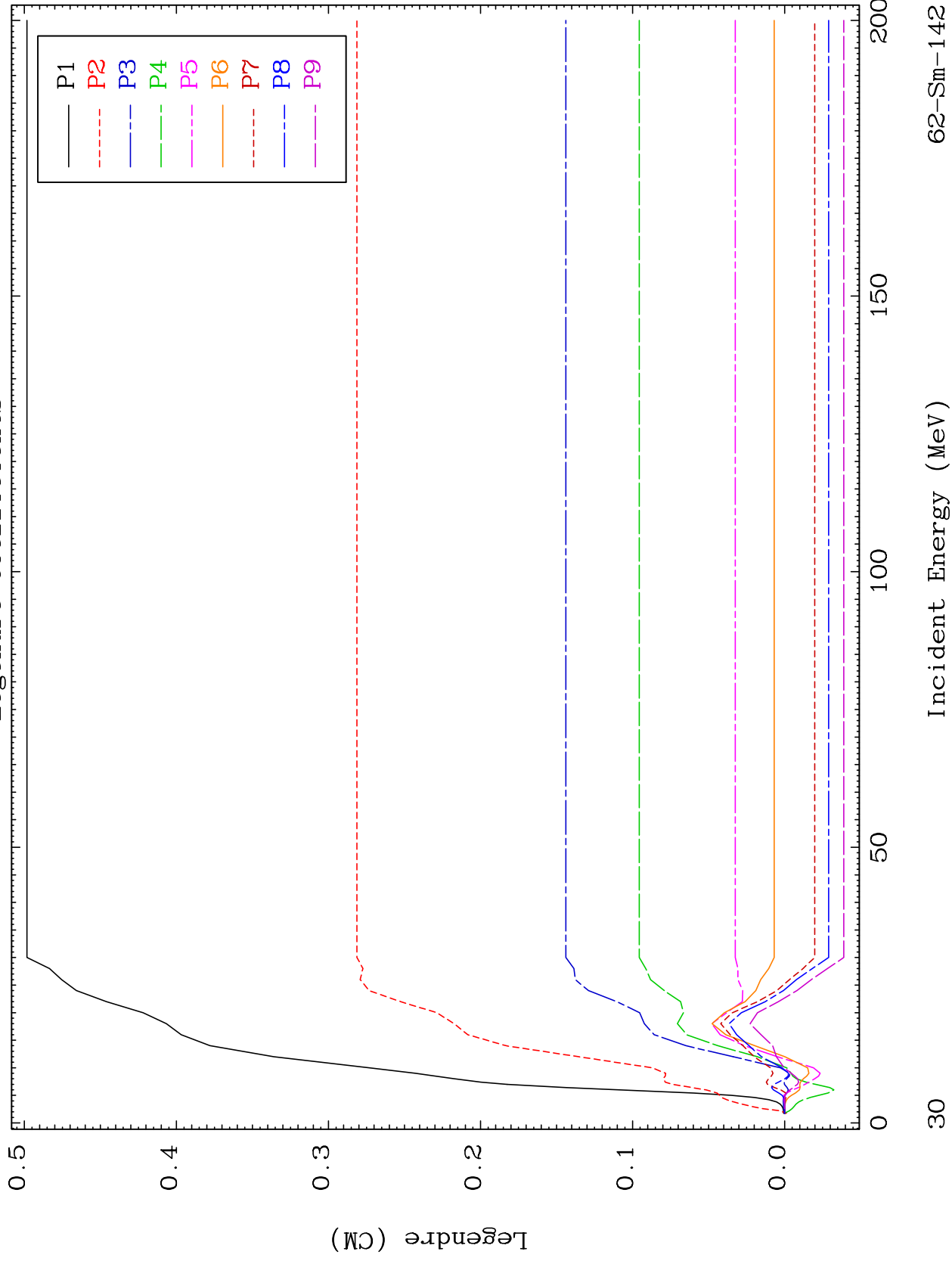
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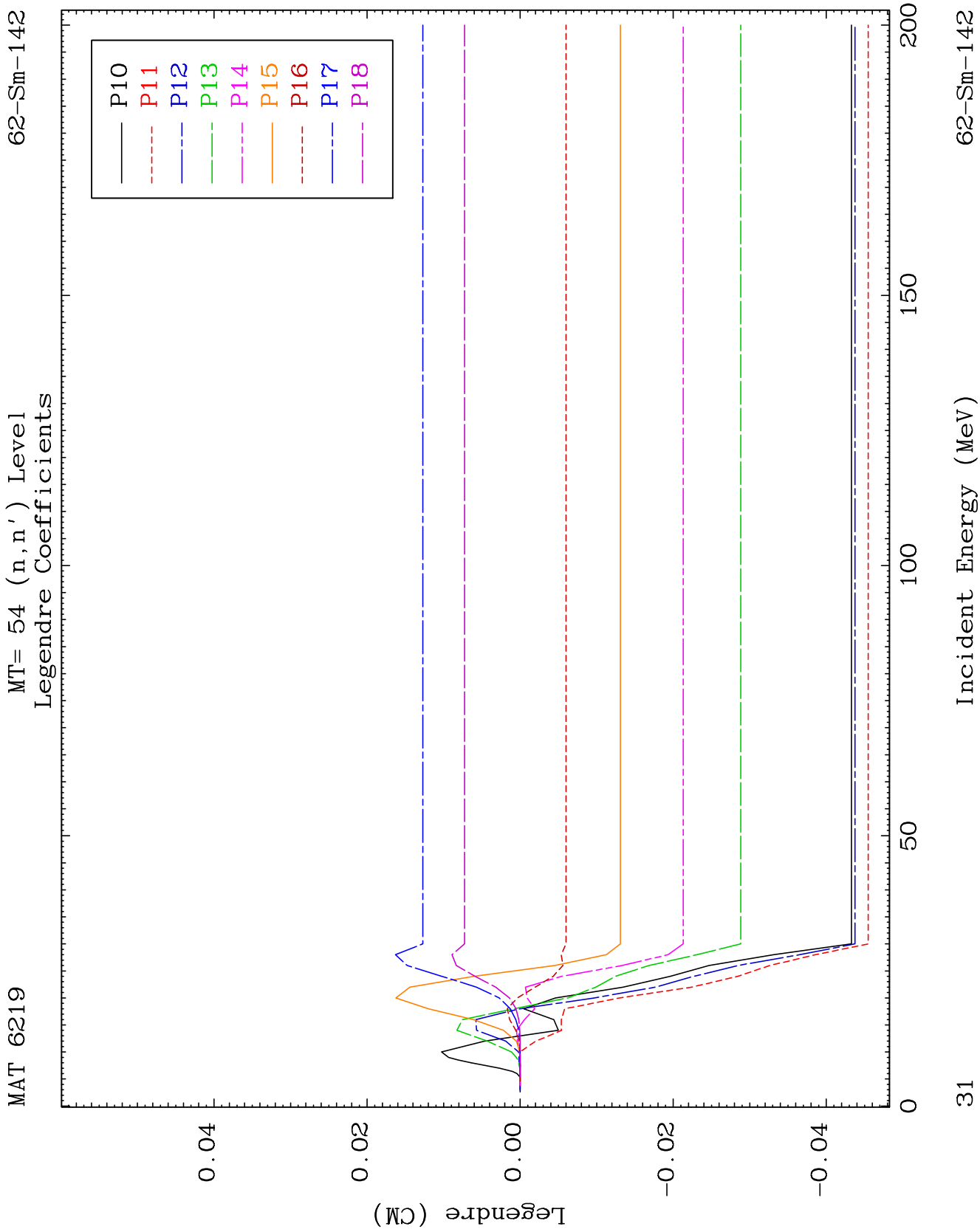


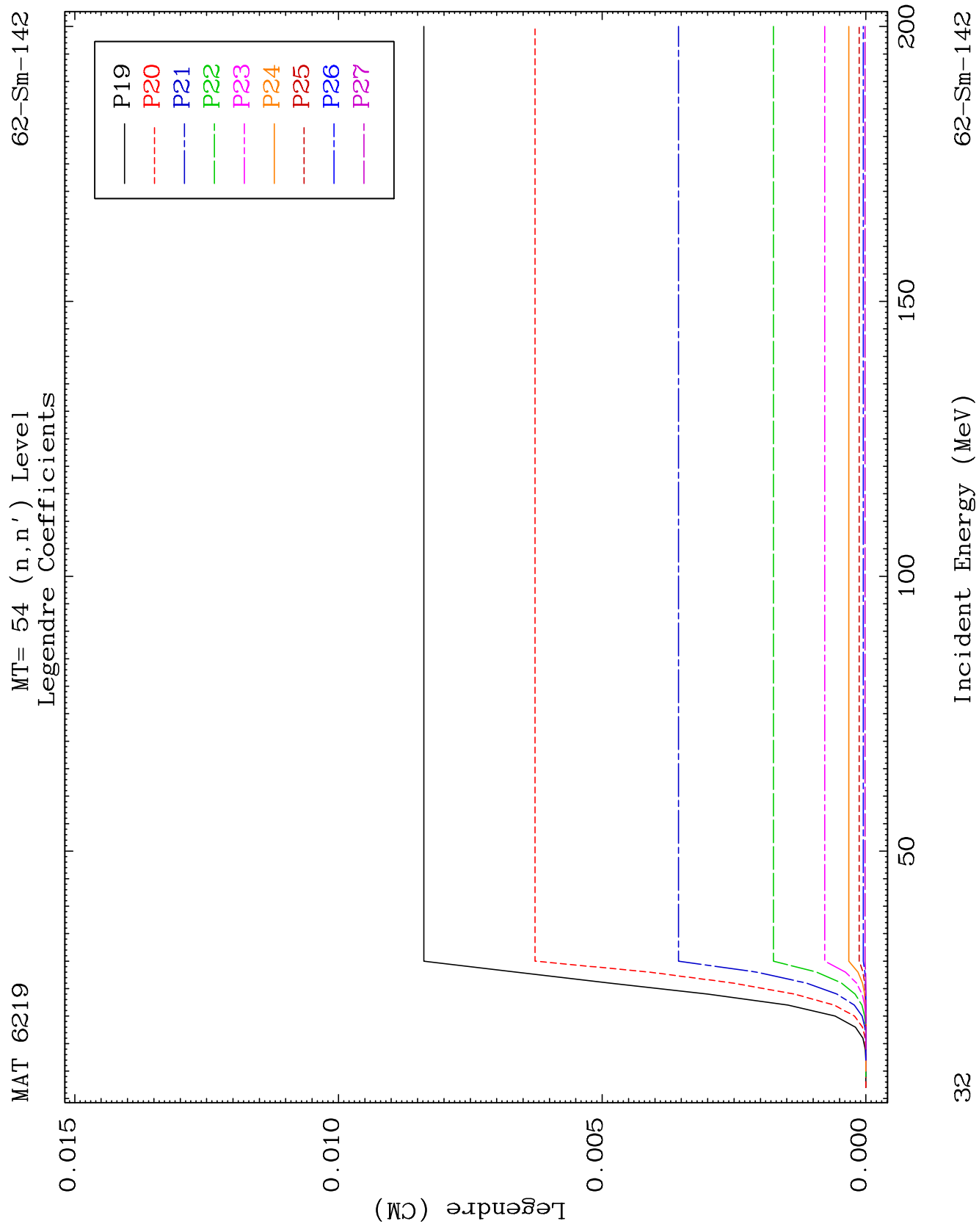
MAT 6219

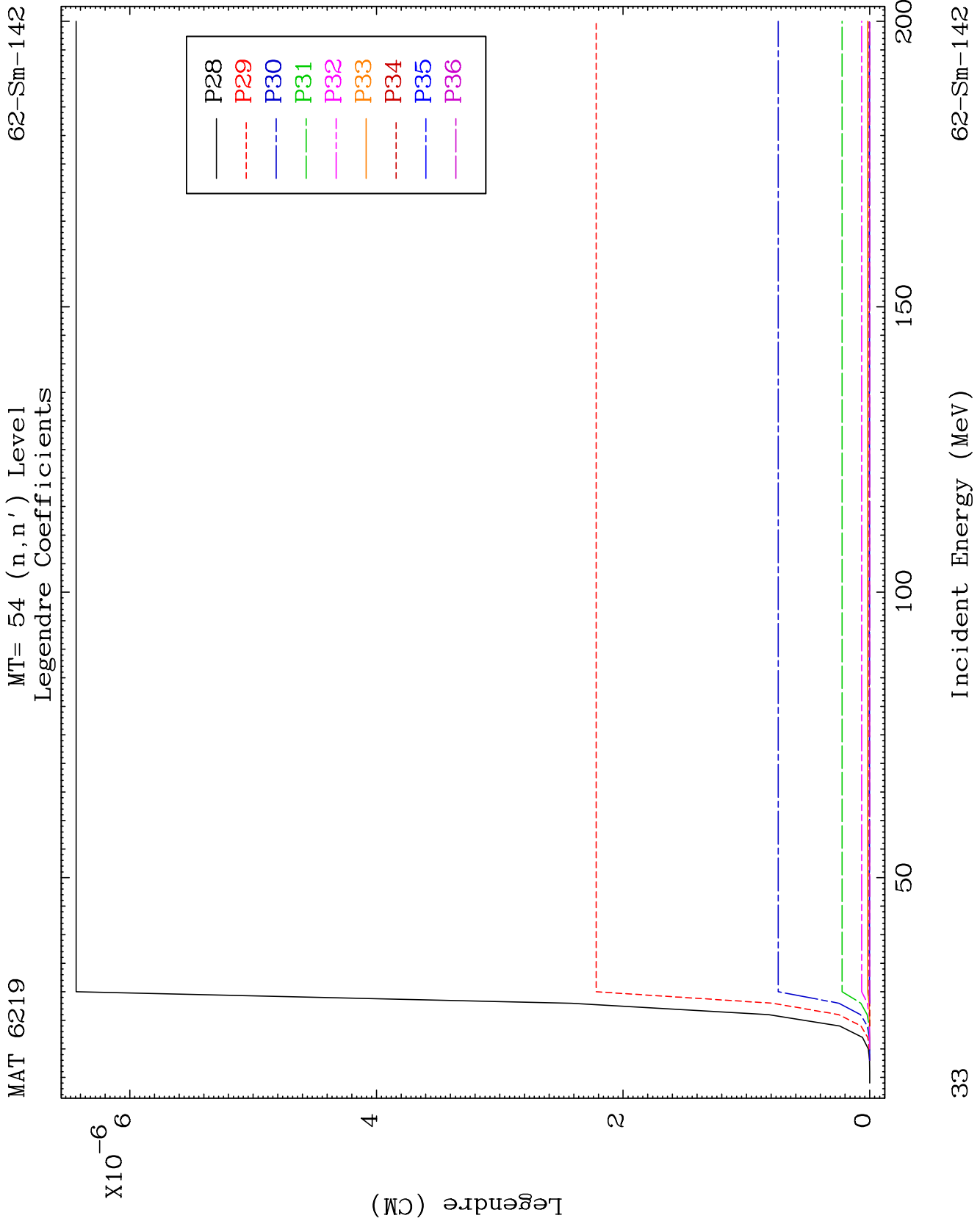
MT= 54 (n, n') Level
Legendre Coefficients

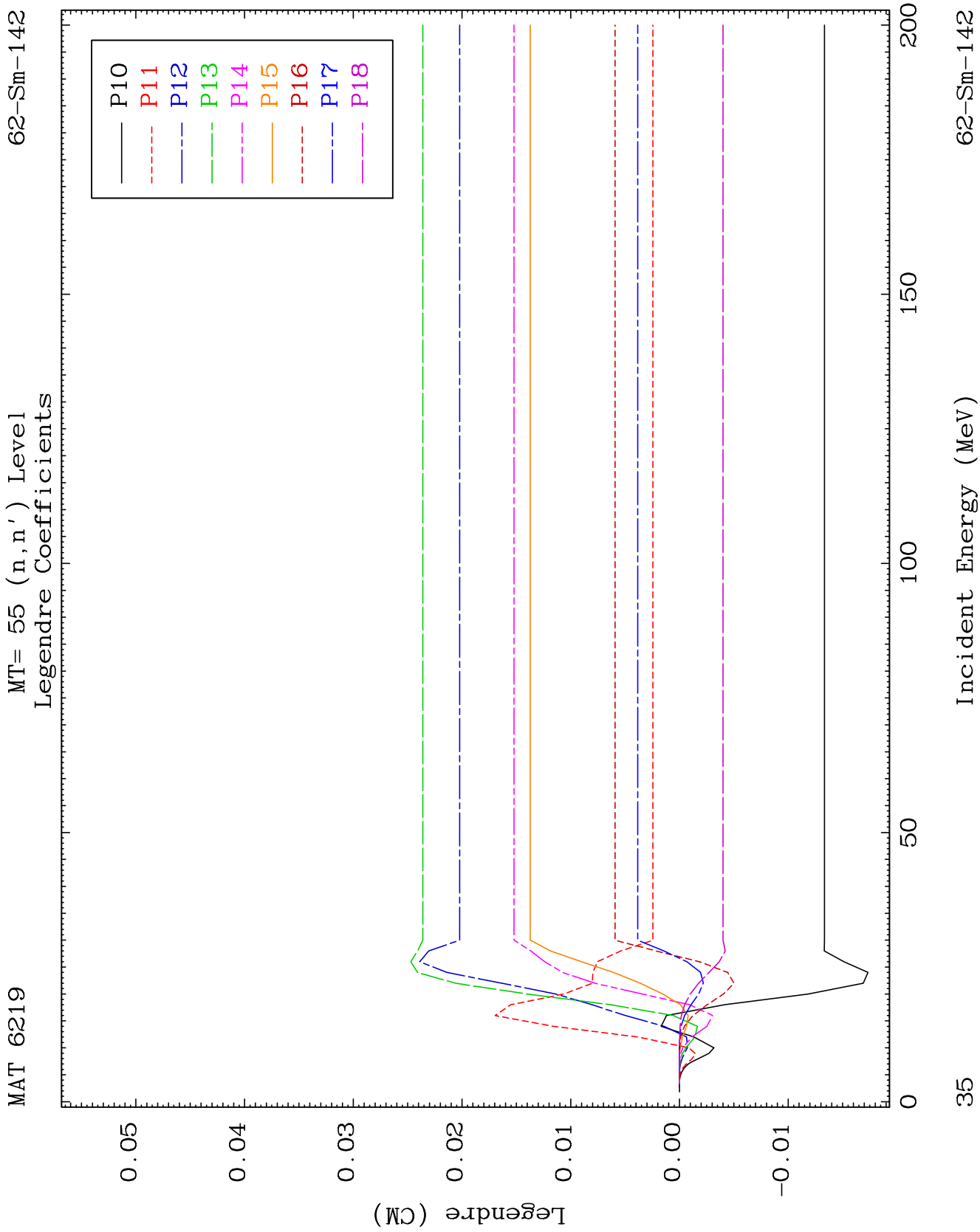
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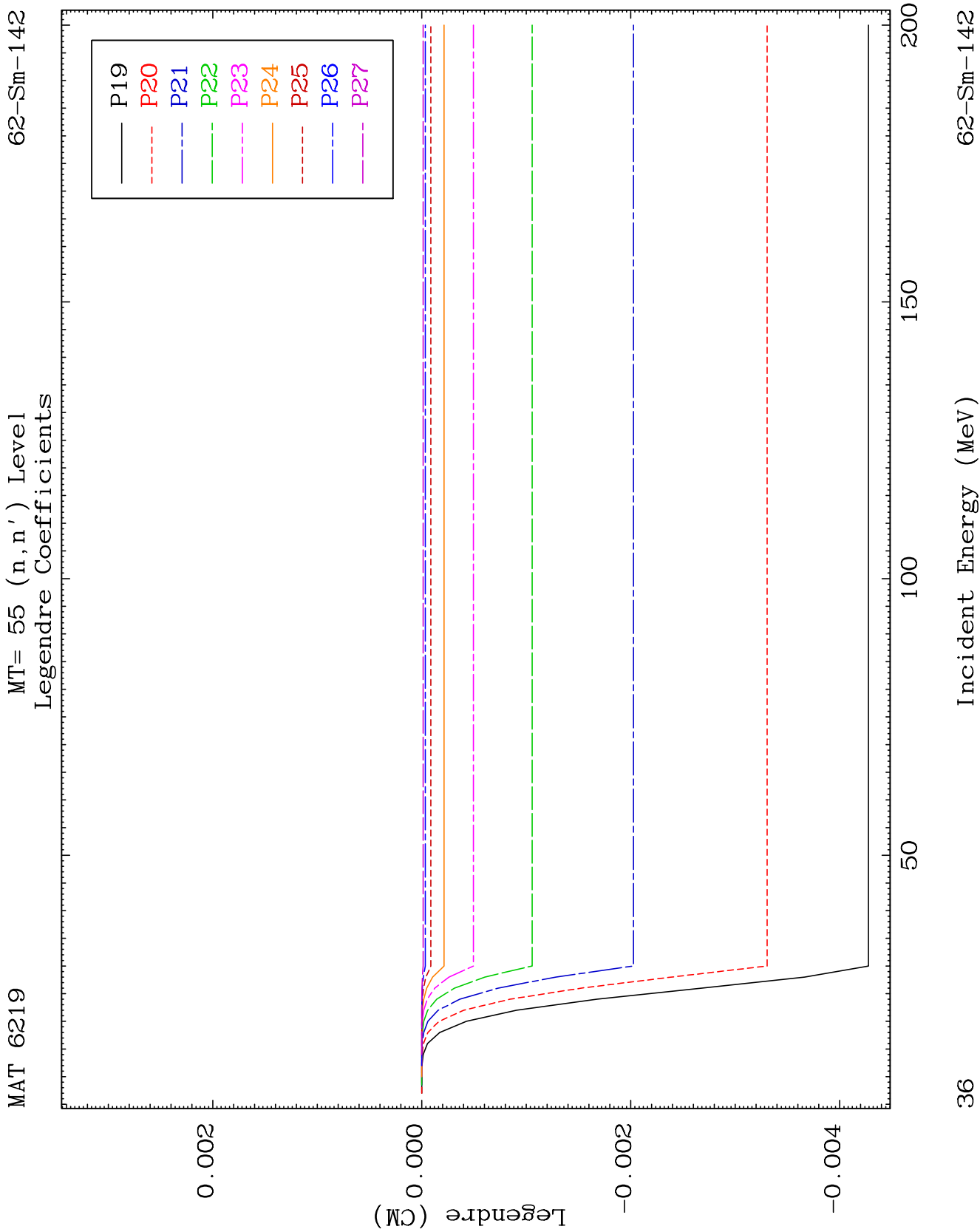


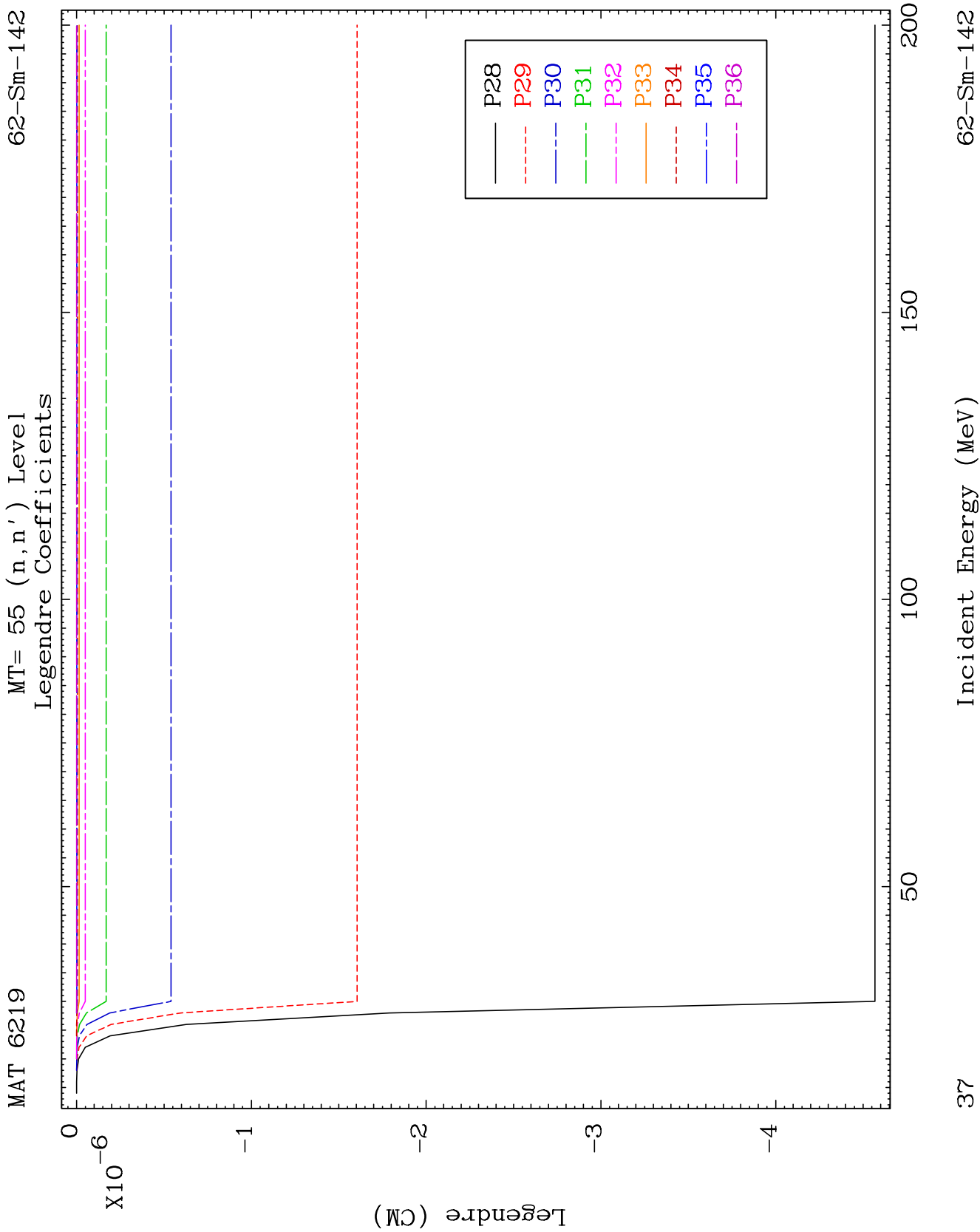


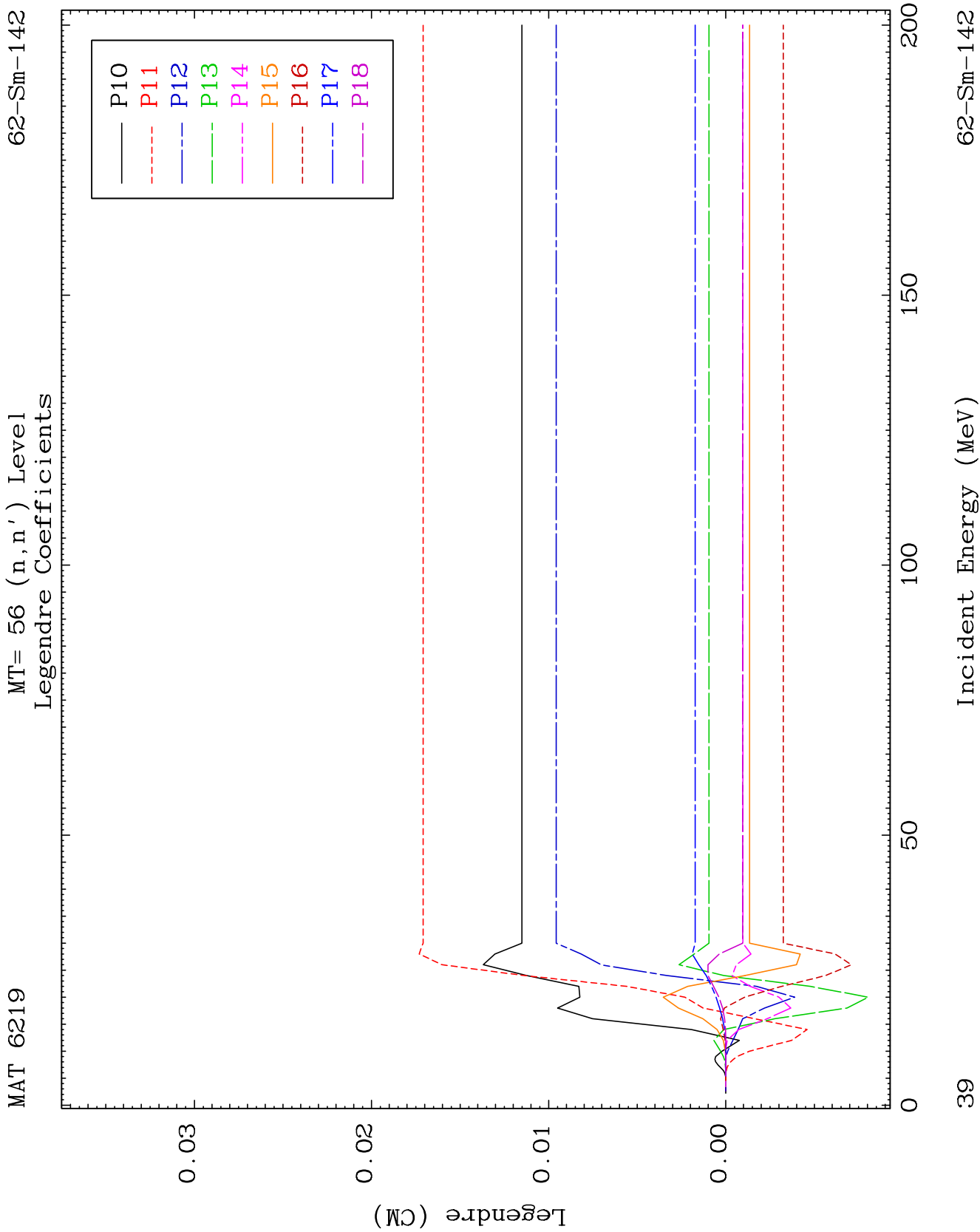


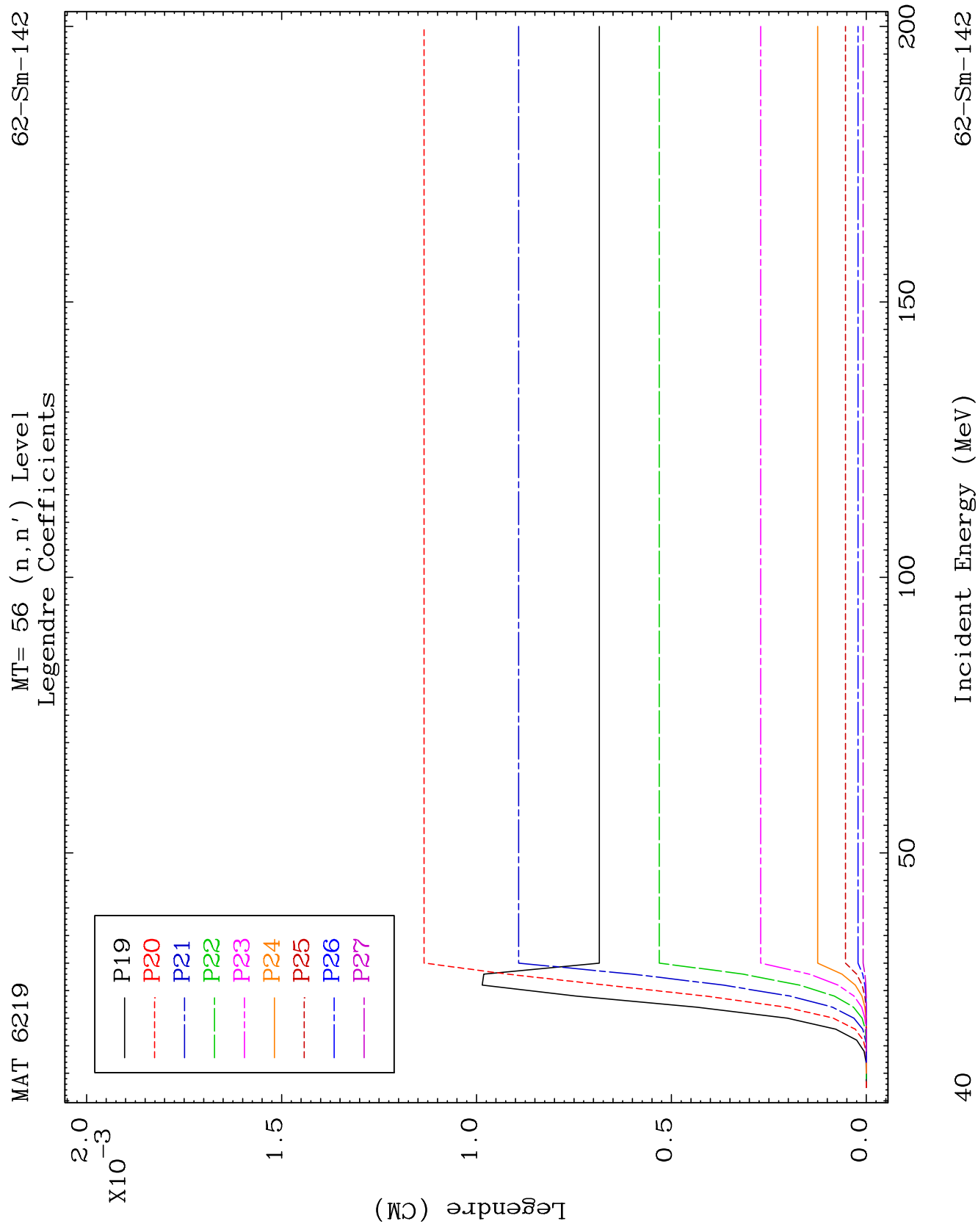


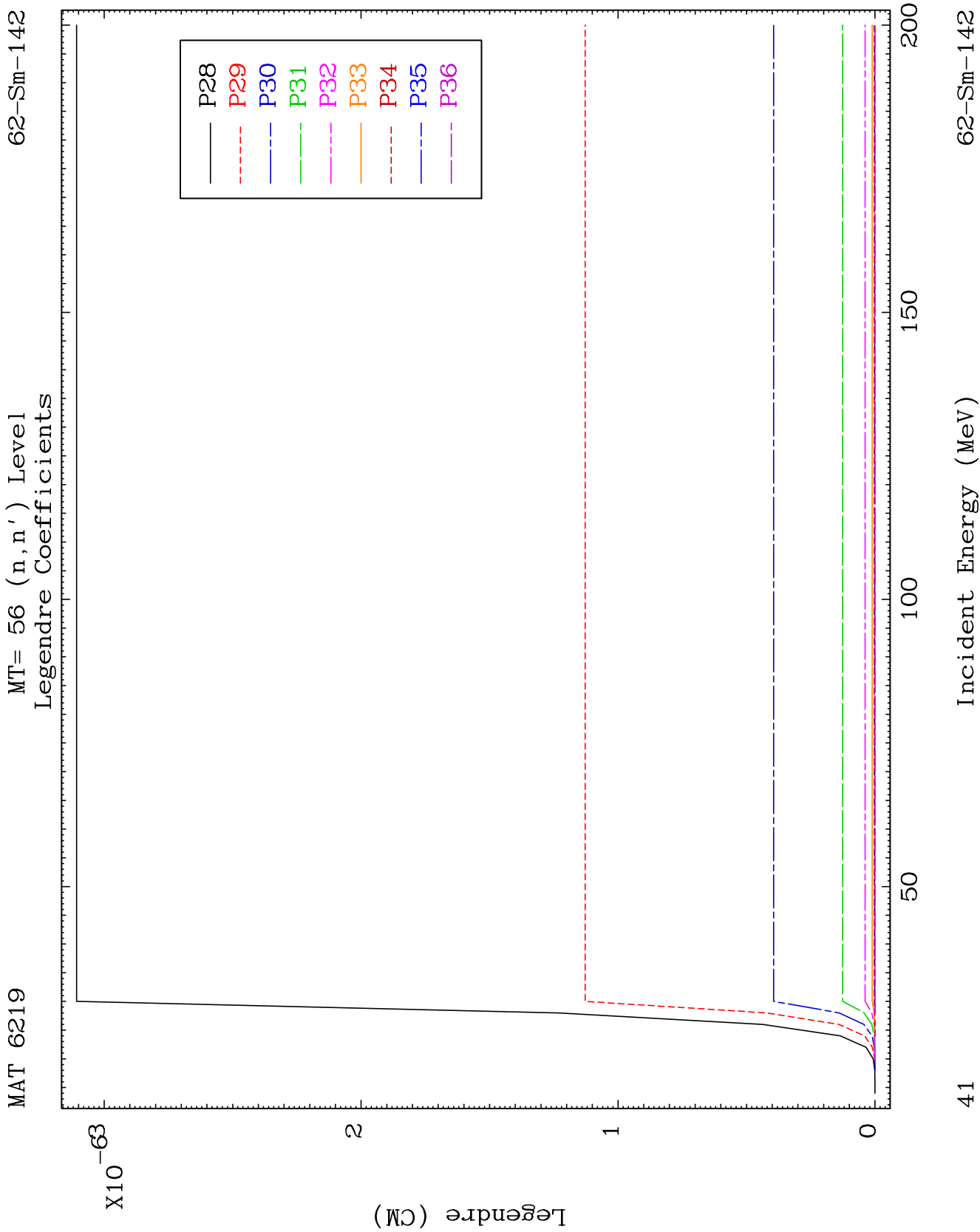


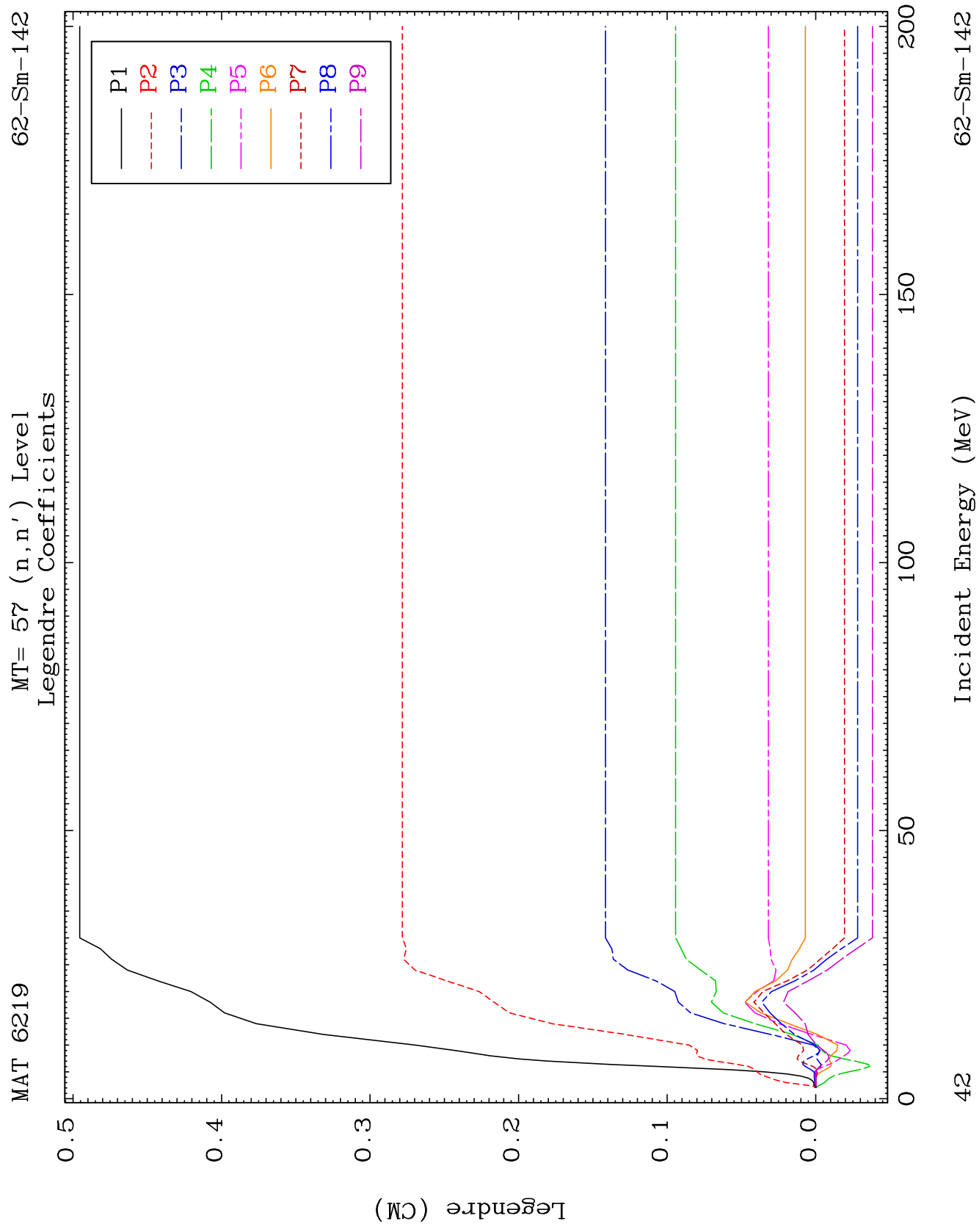








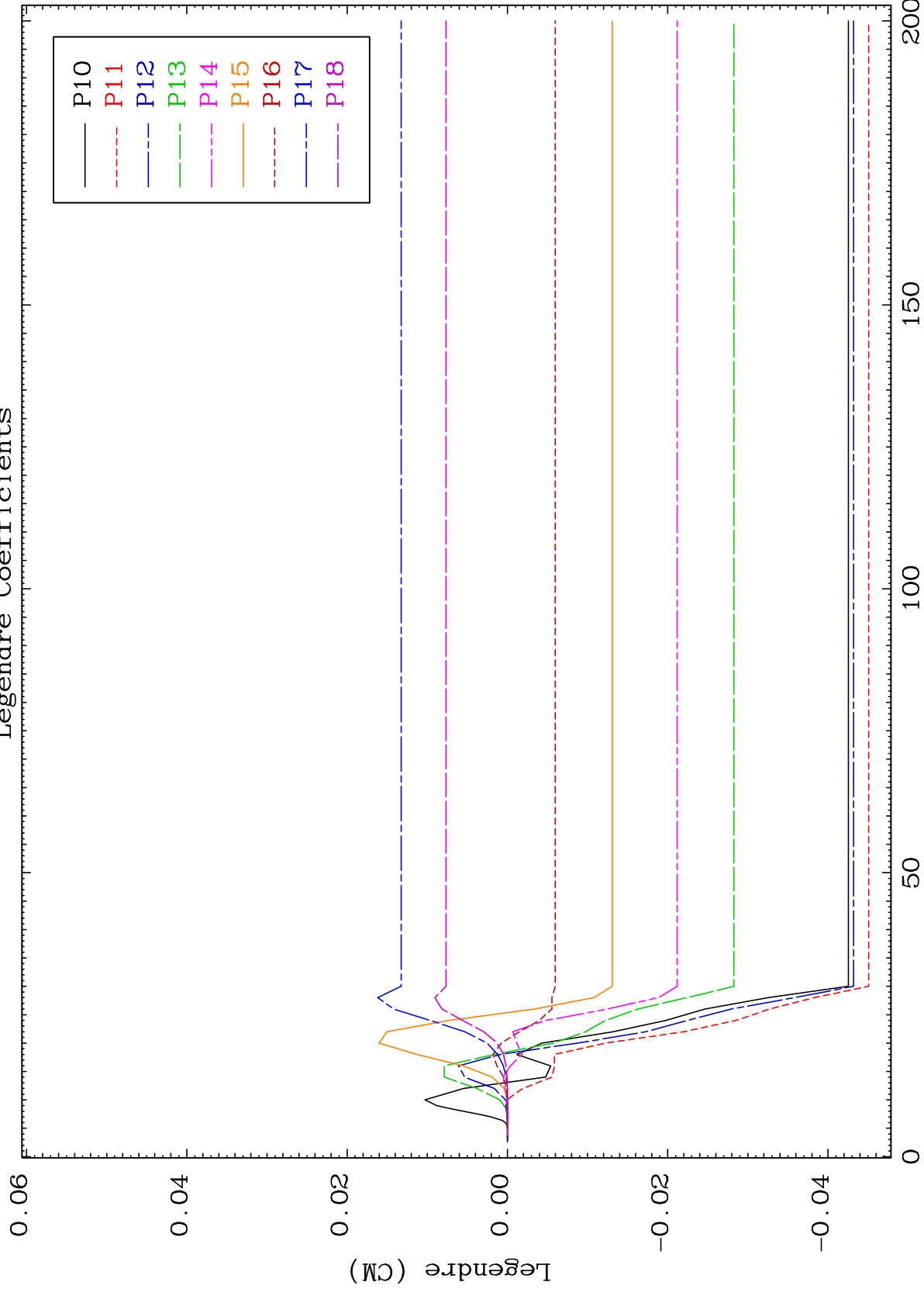




MAT 6219

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

62-Sm-142



43

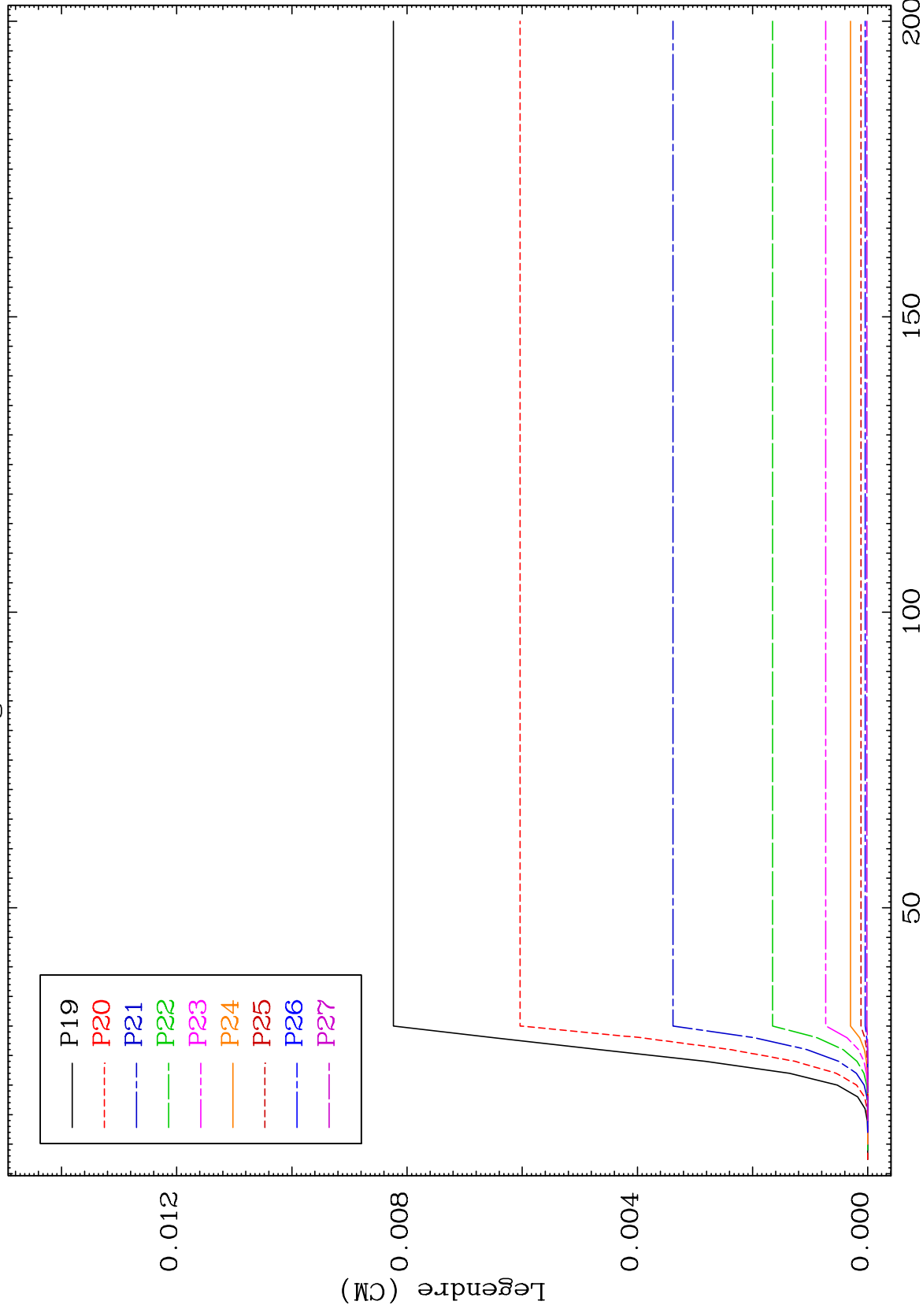
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

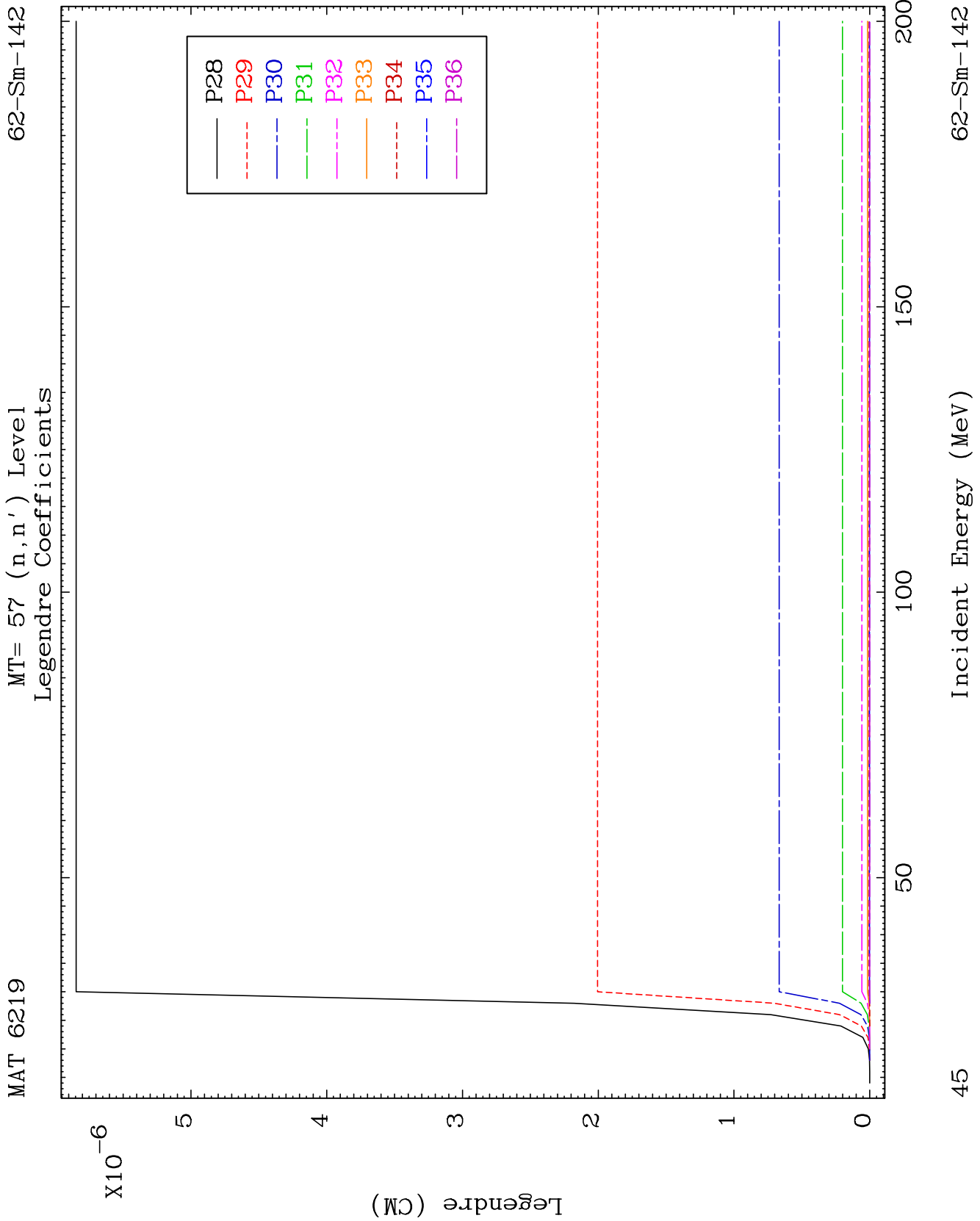
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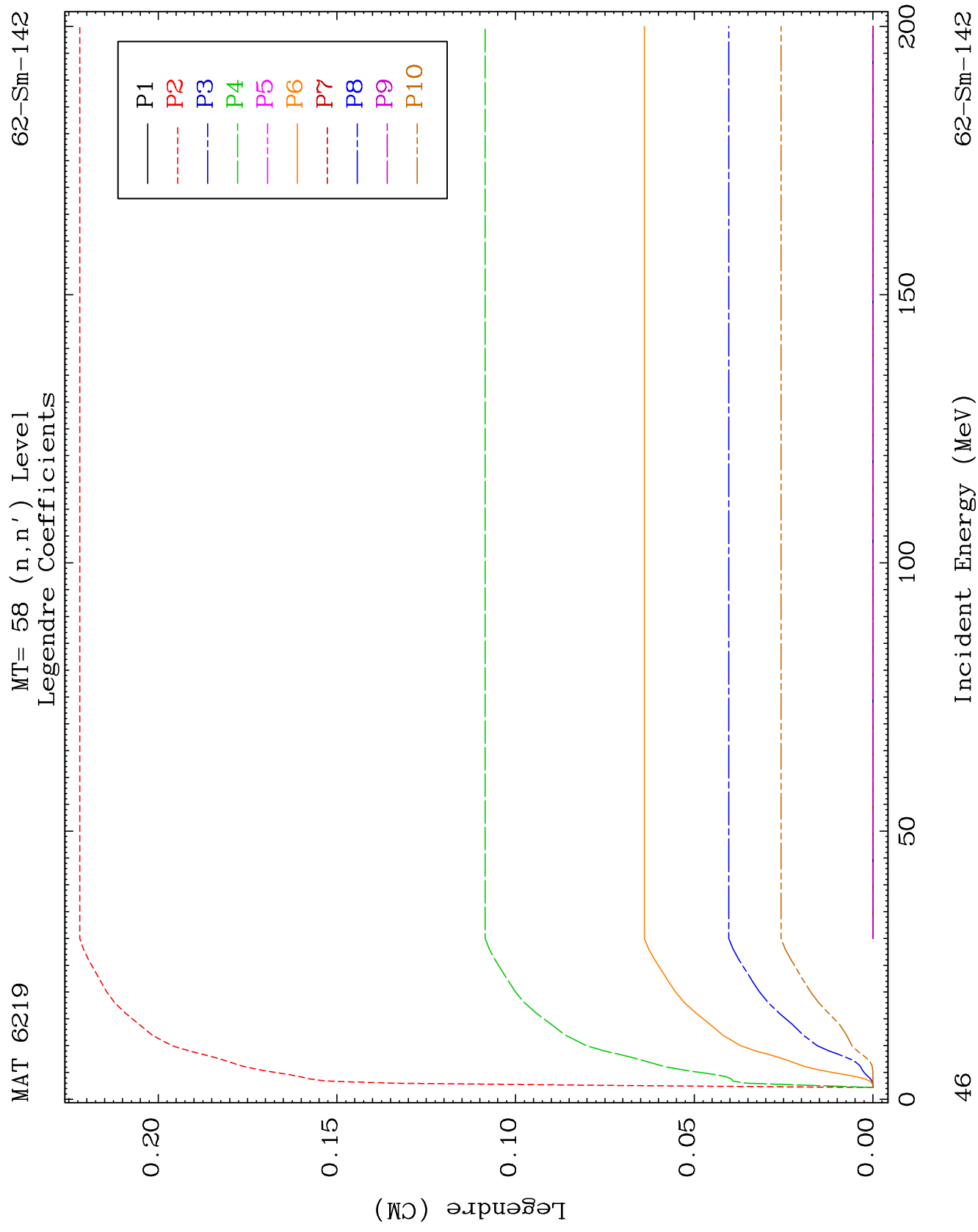


44

Incident Energy (MeV)

62-Sm-142

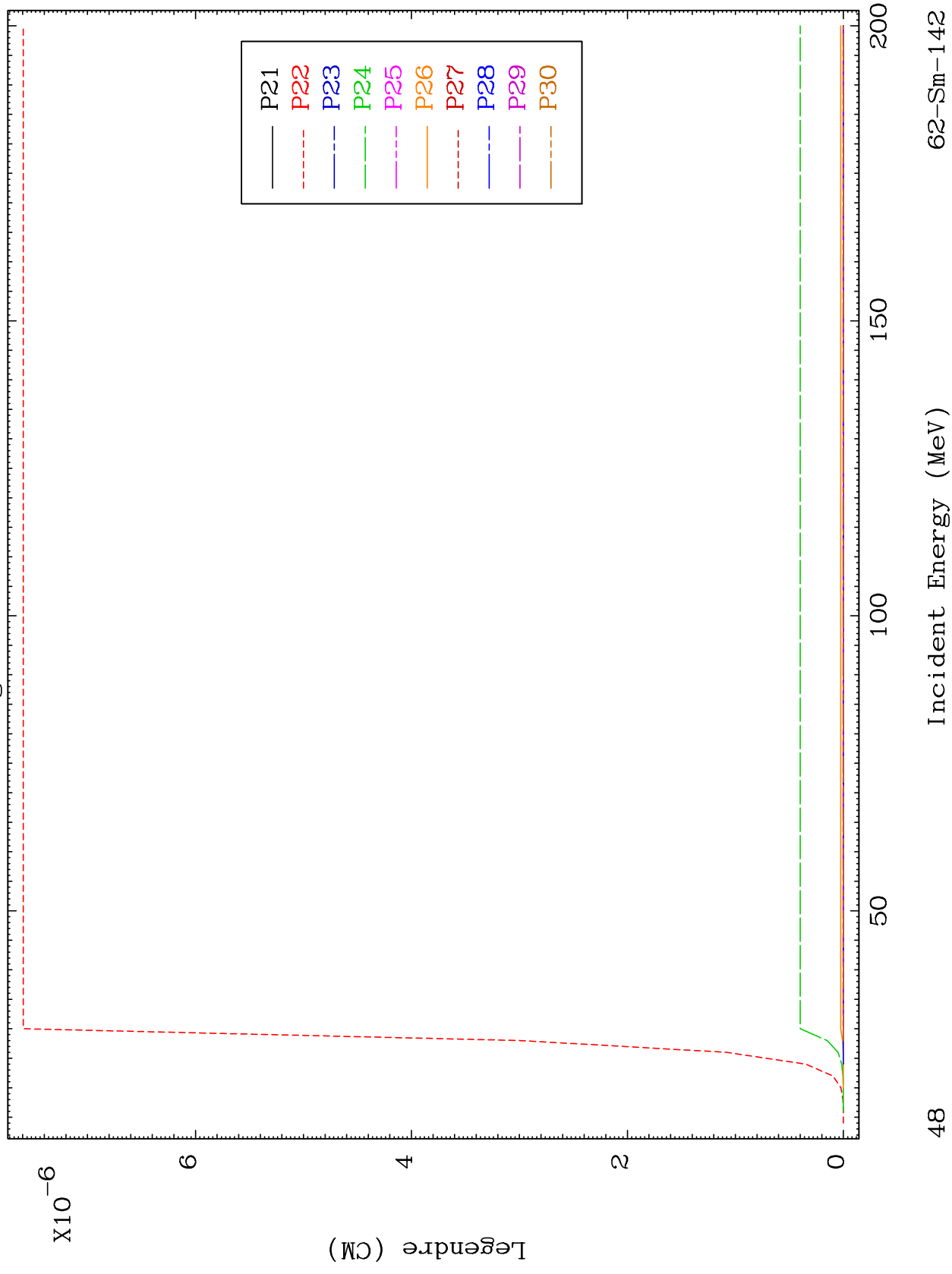


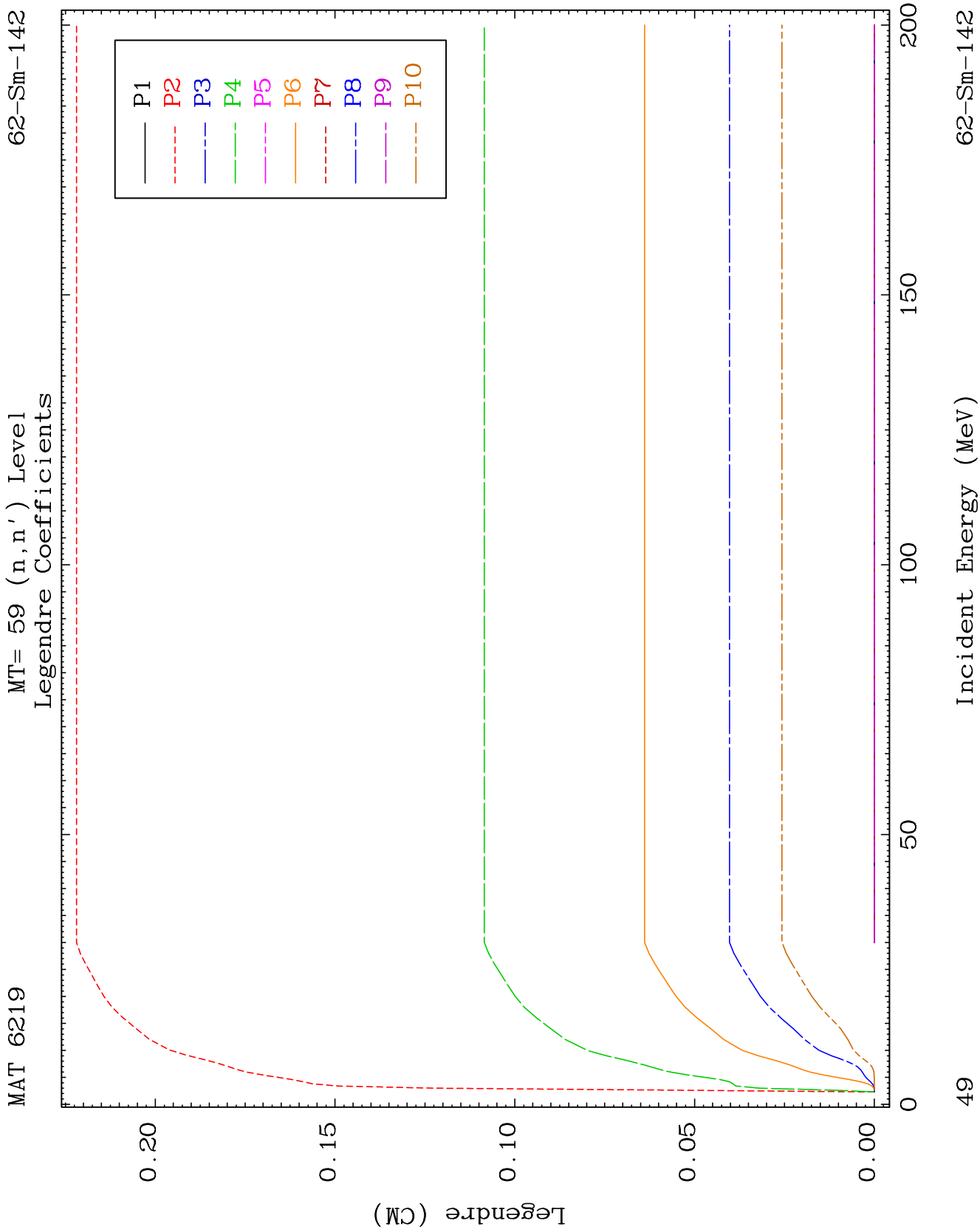


MAT 6219

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

62-Sm-142

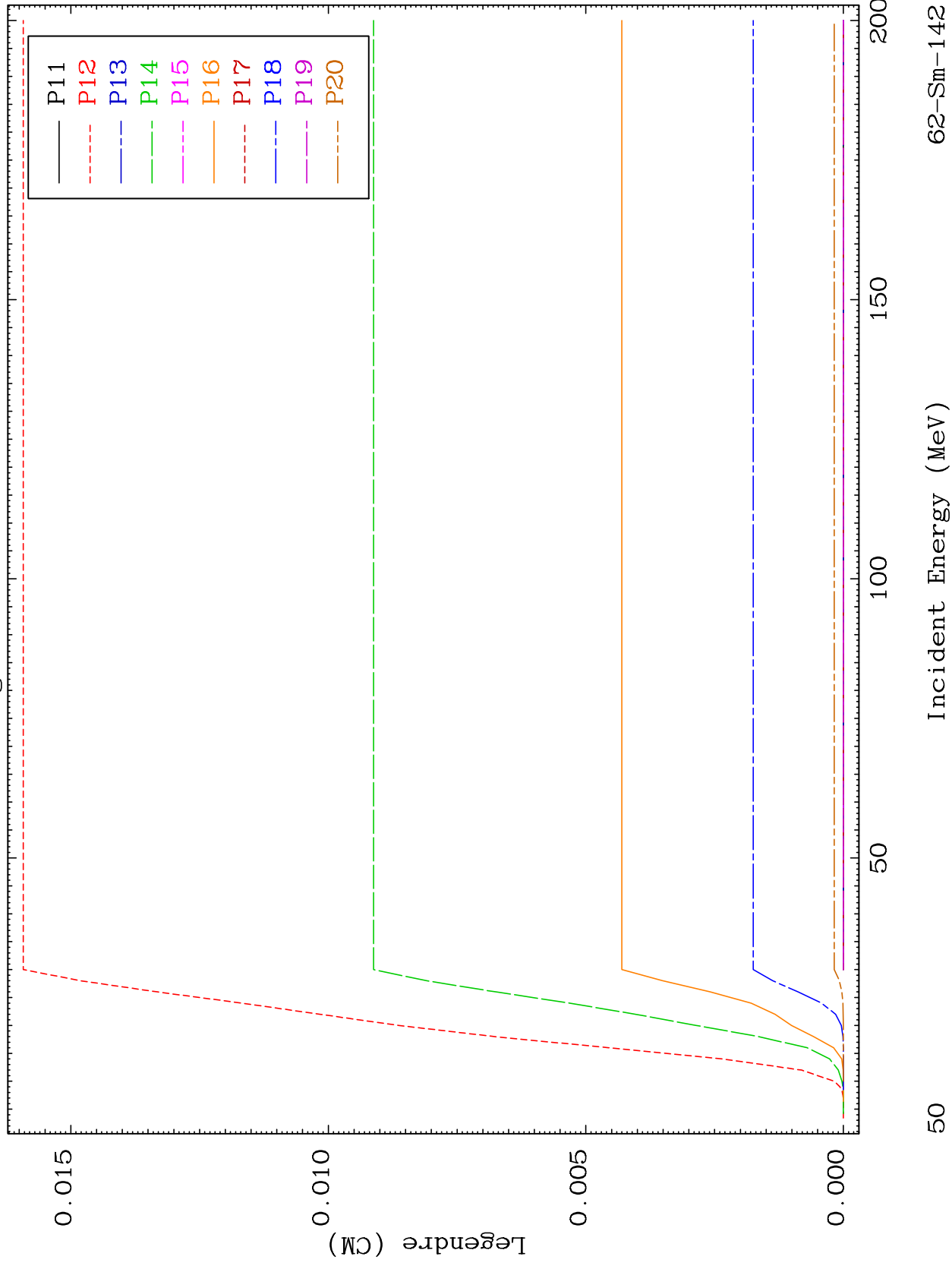


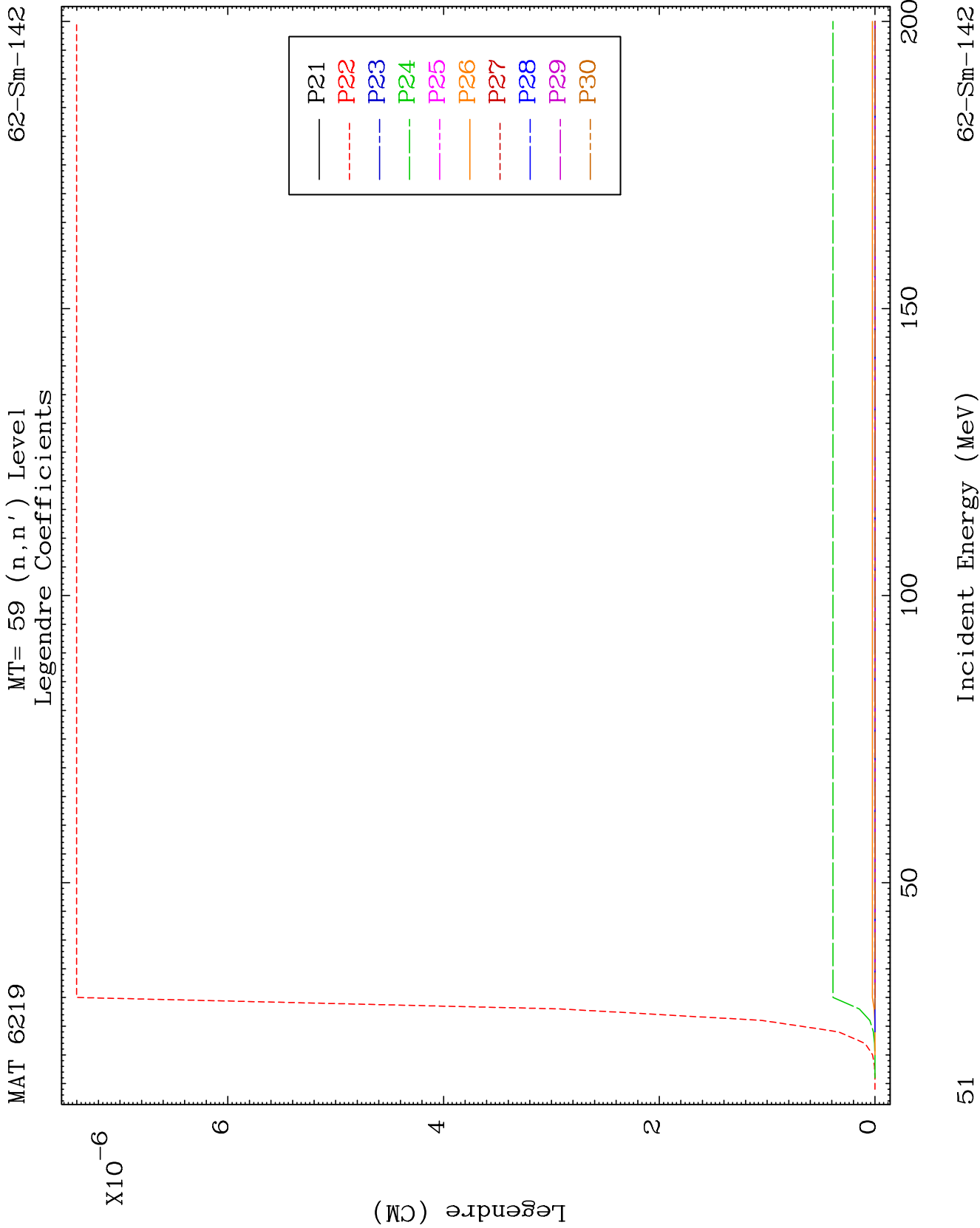


MAT 6219

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

62-Sm-142

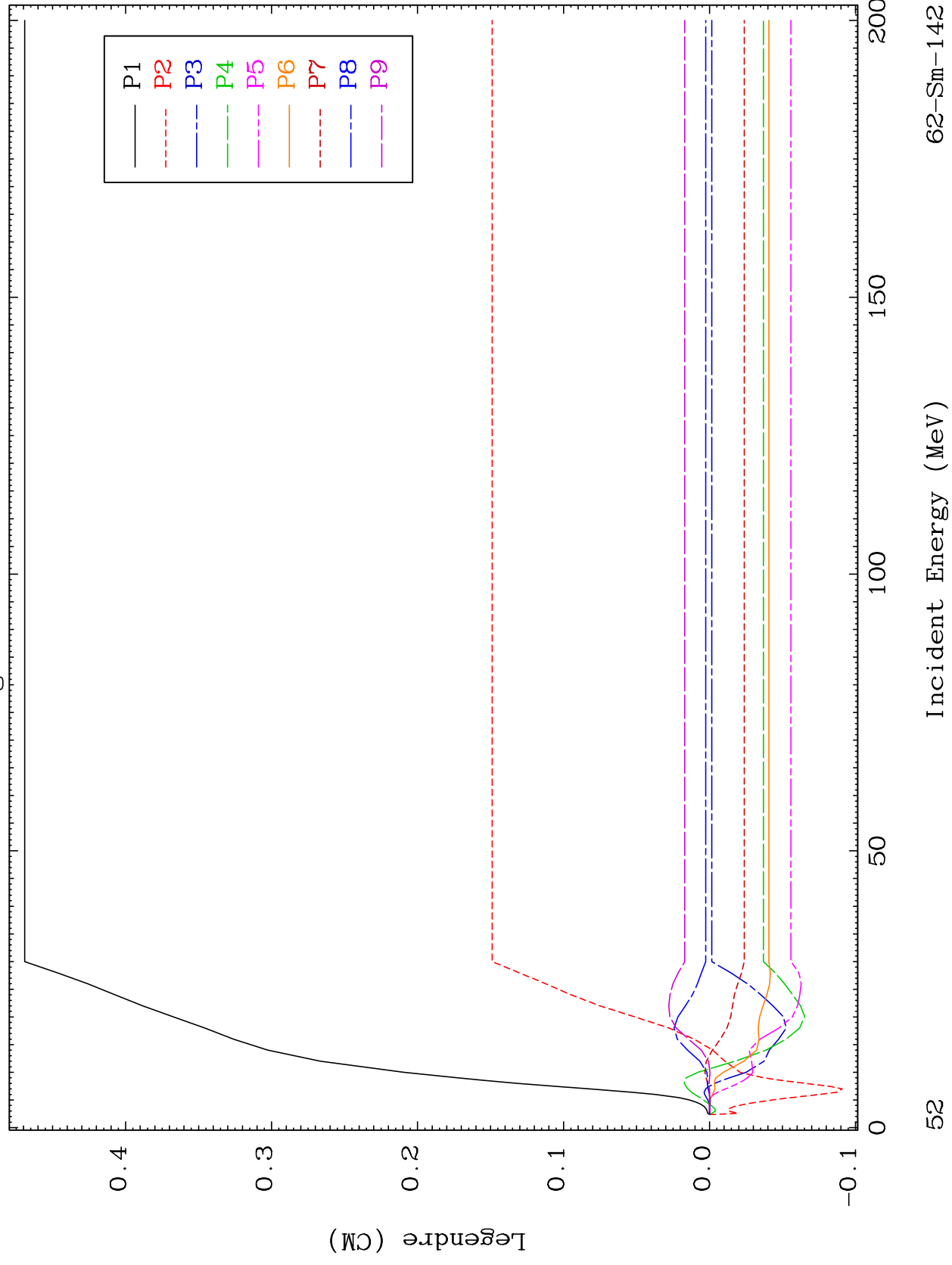


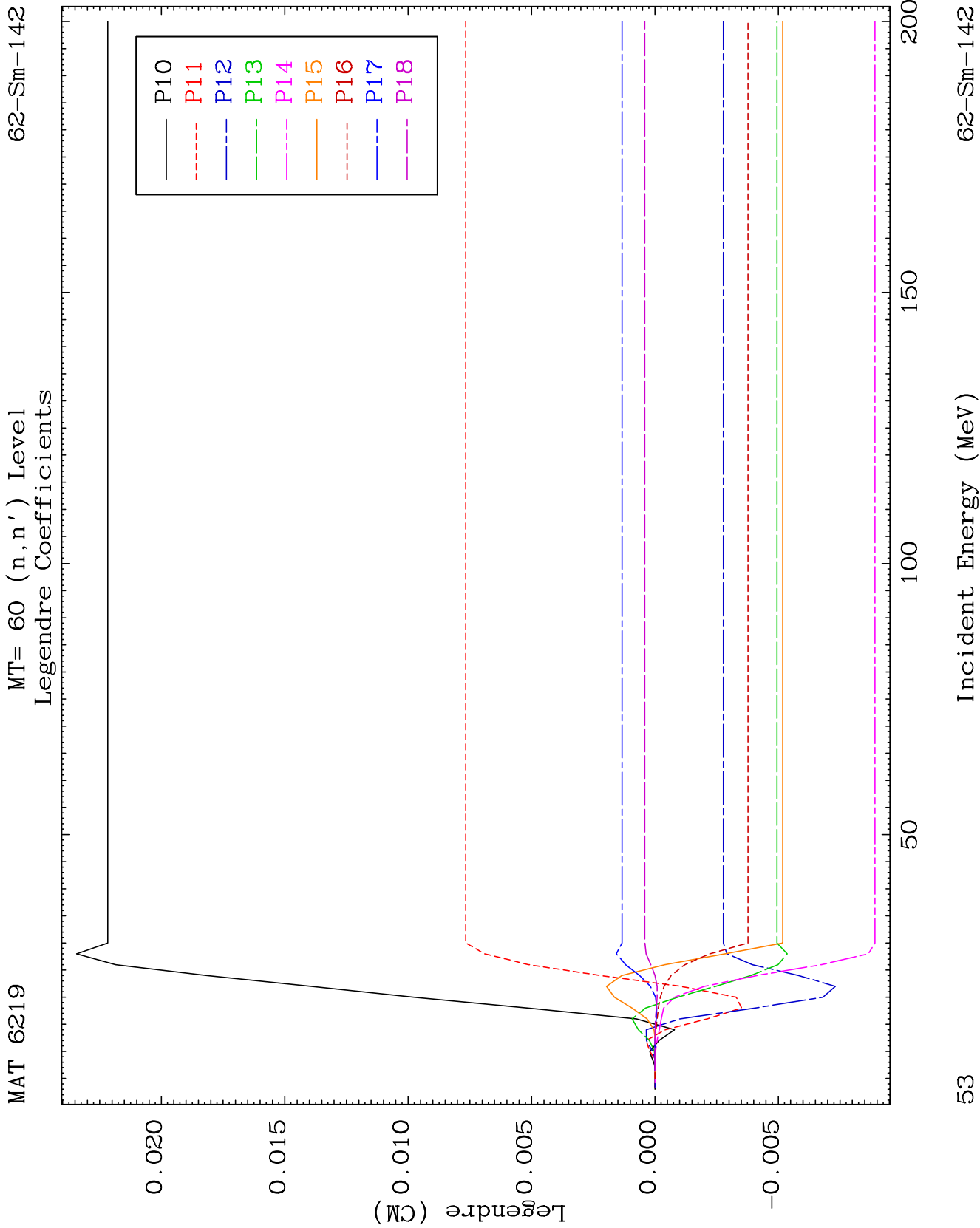


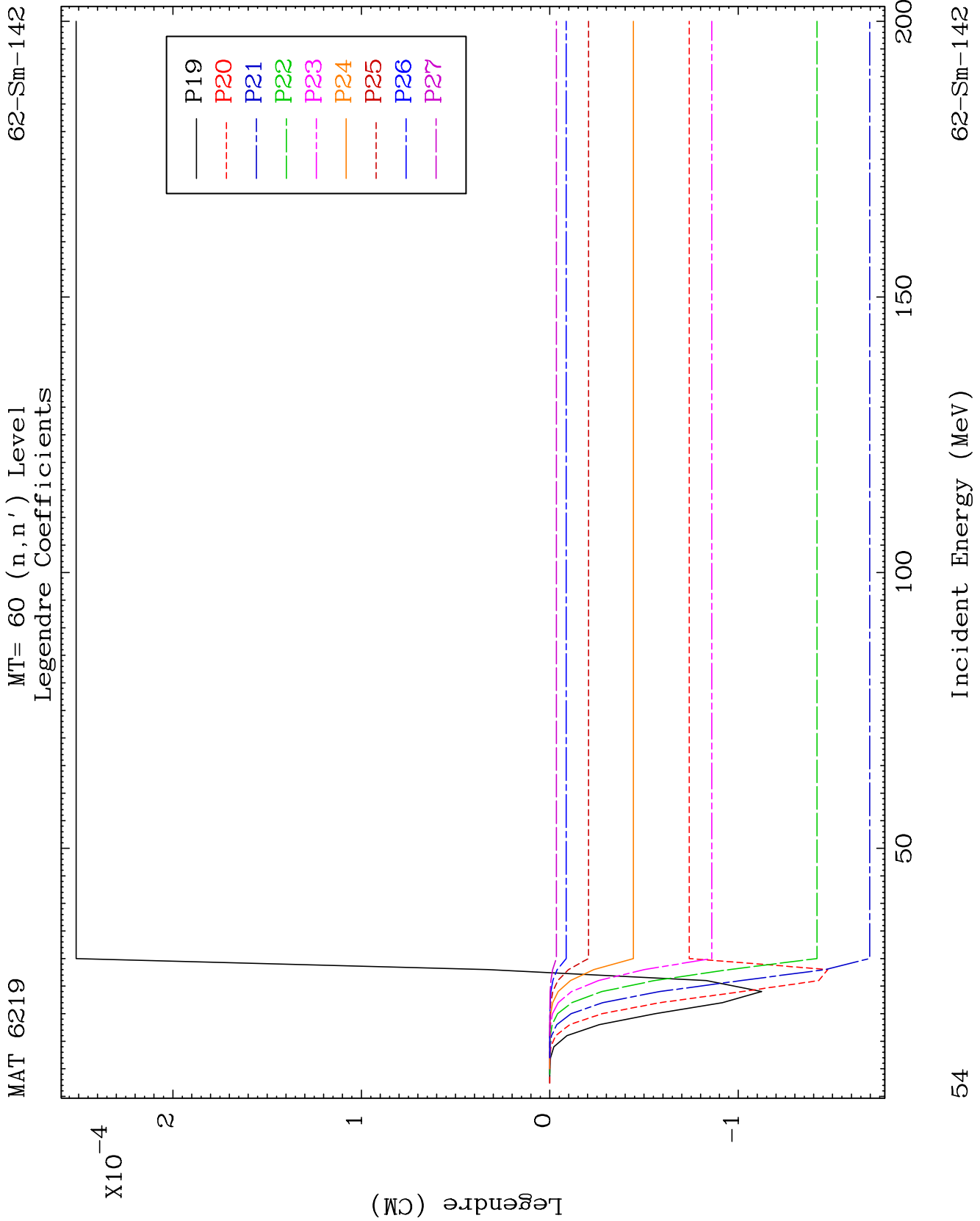
MAT 6219

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

62-Sm-142



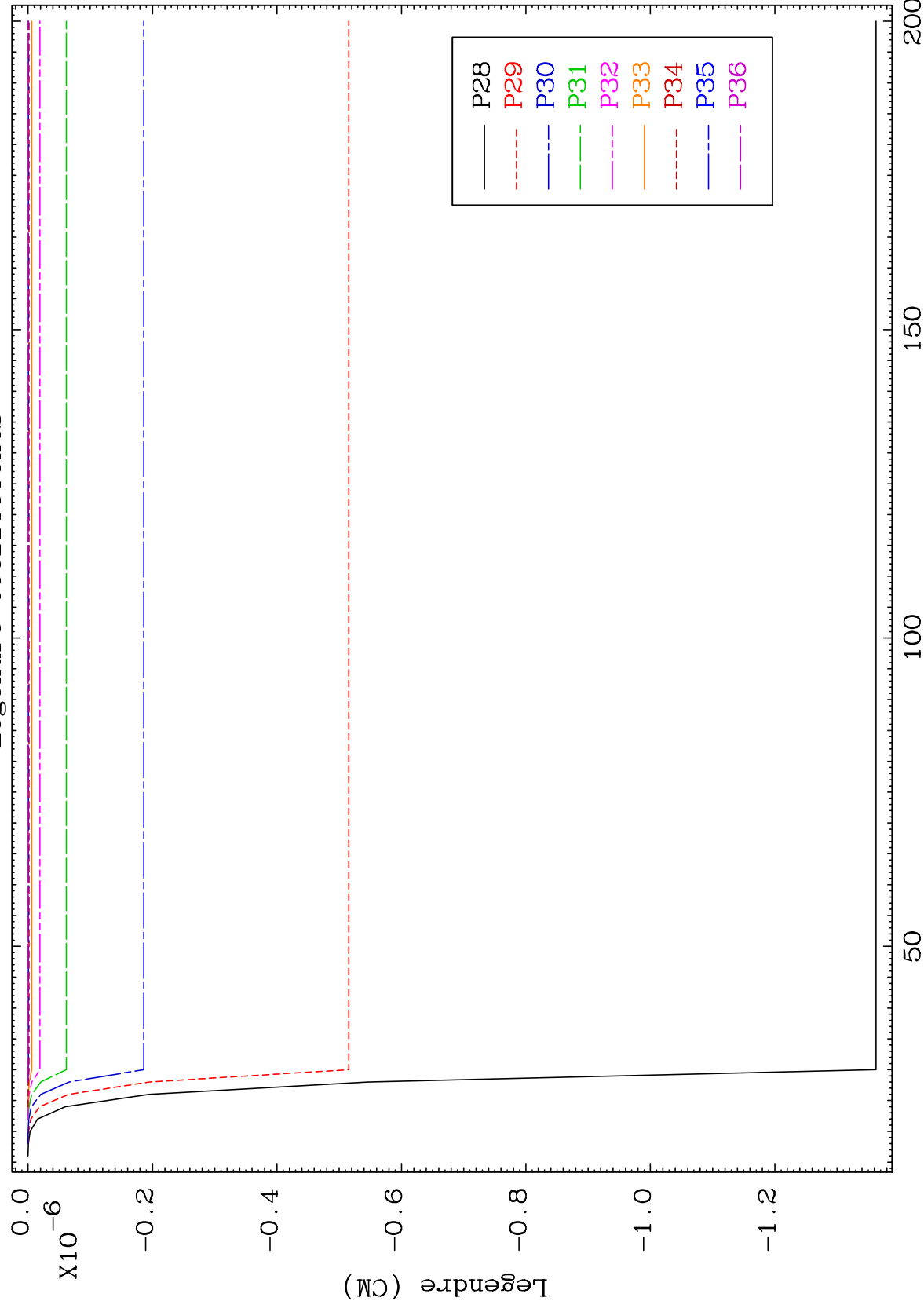




MAT 6219

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

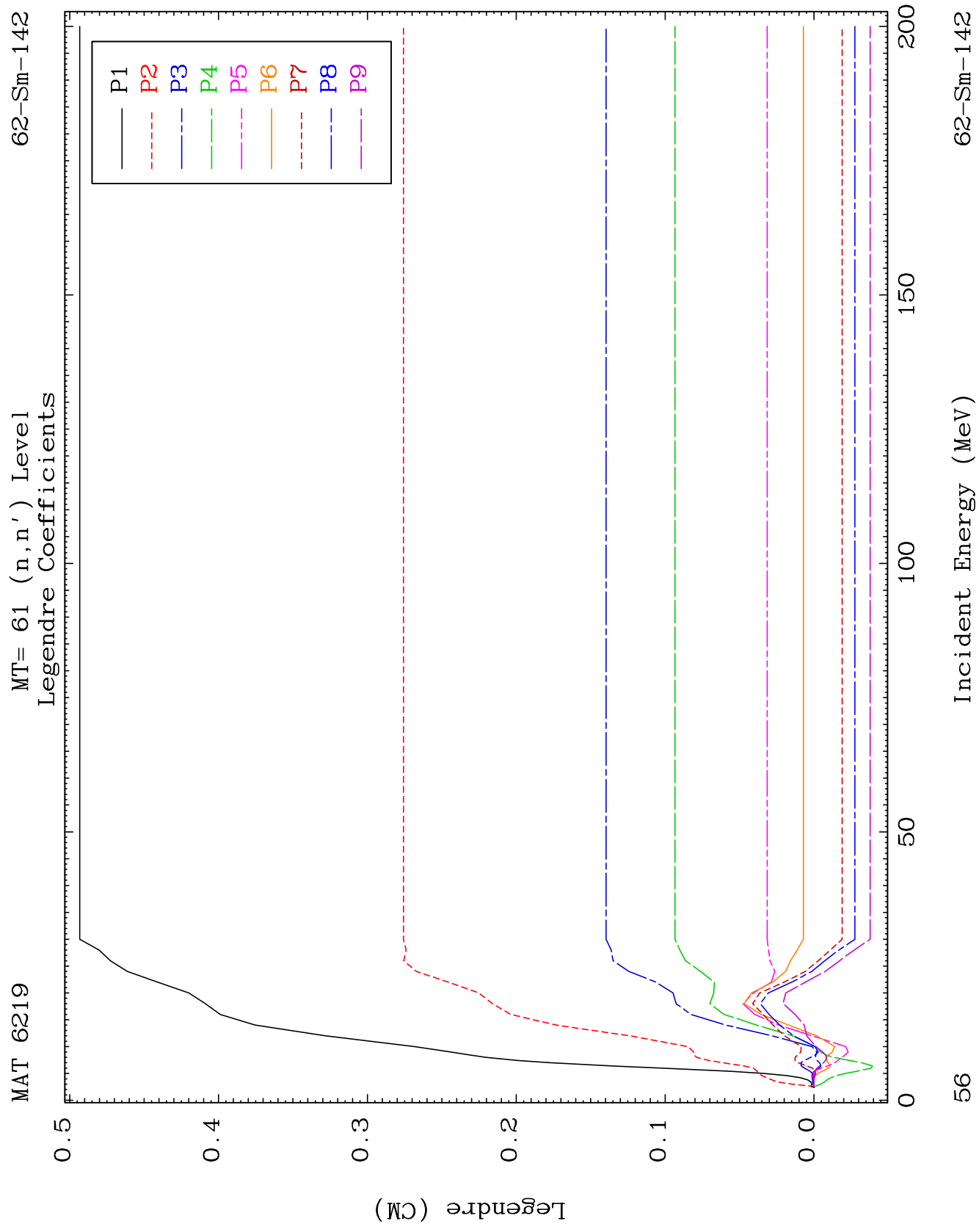
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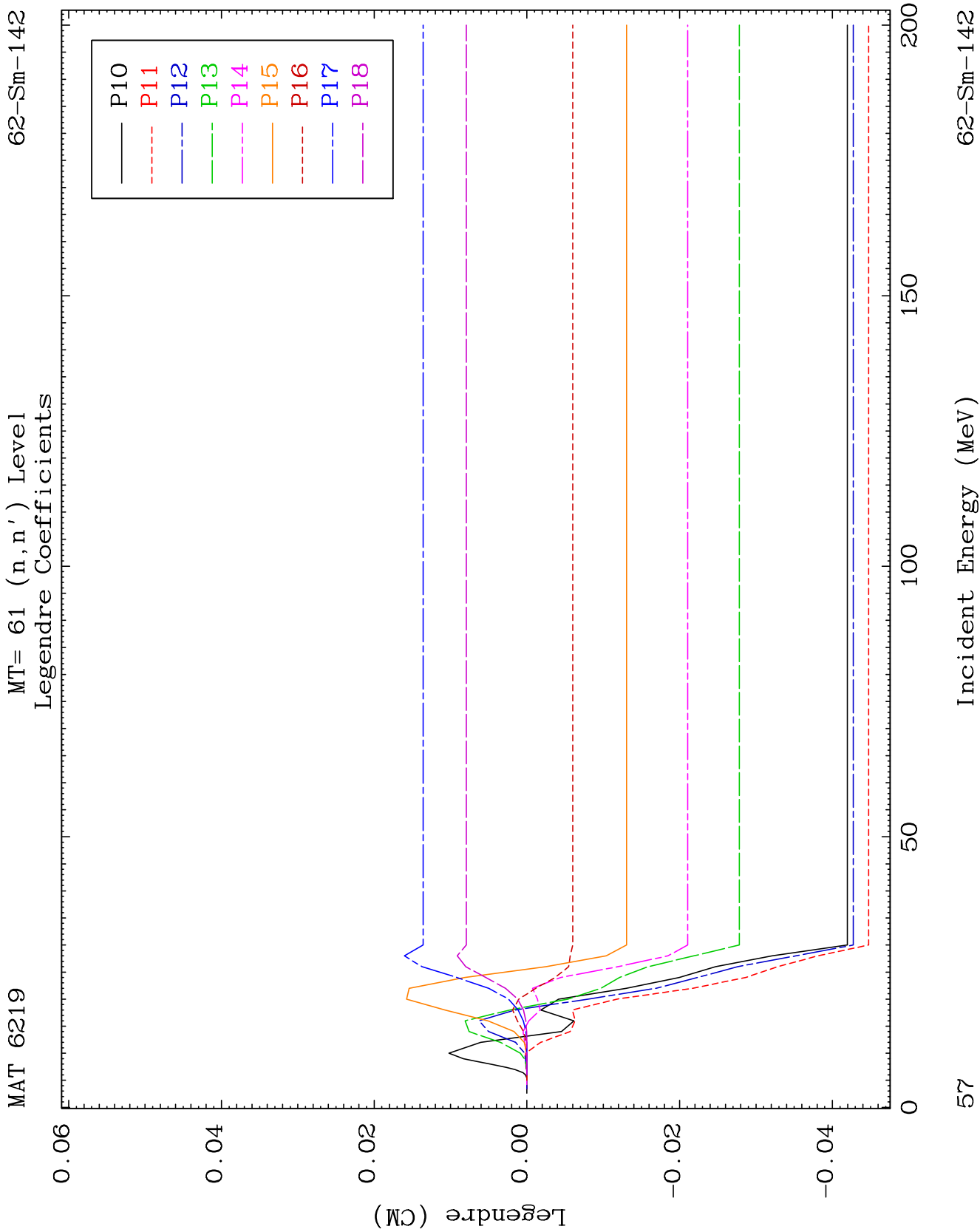


55

Incident Energy (MeV)

62-Sm-142

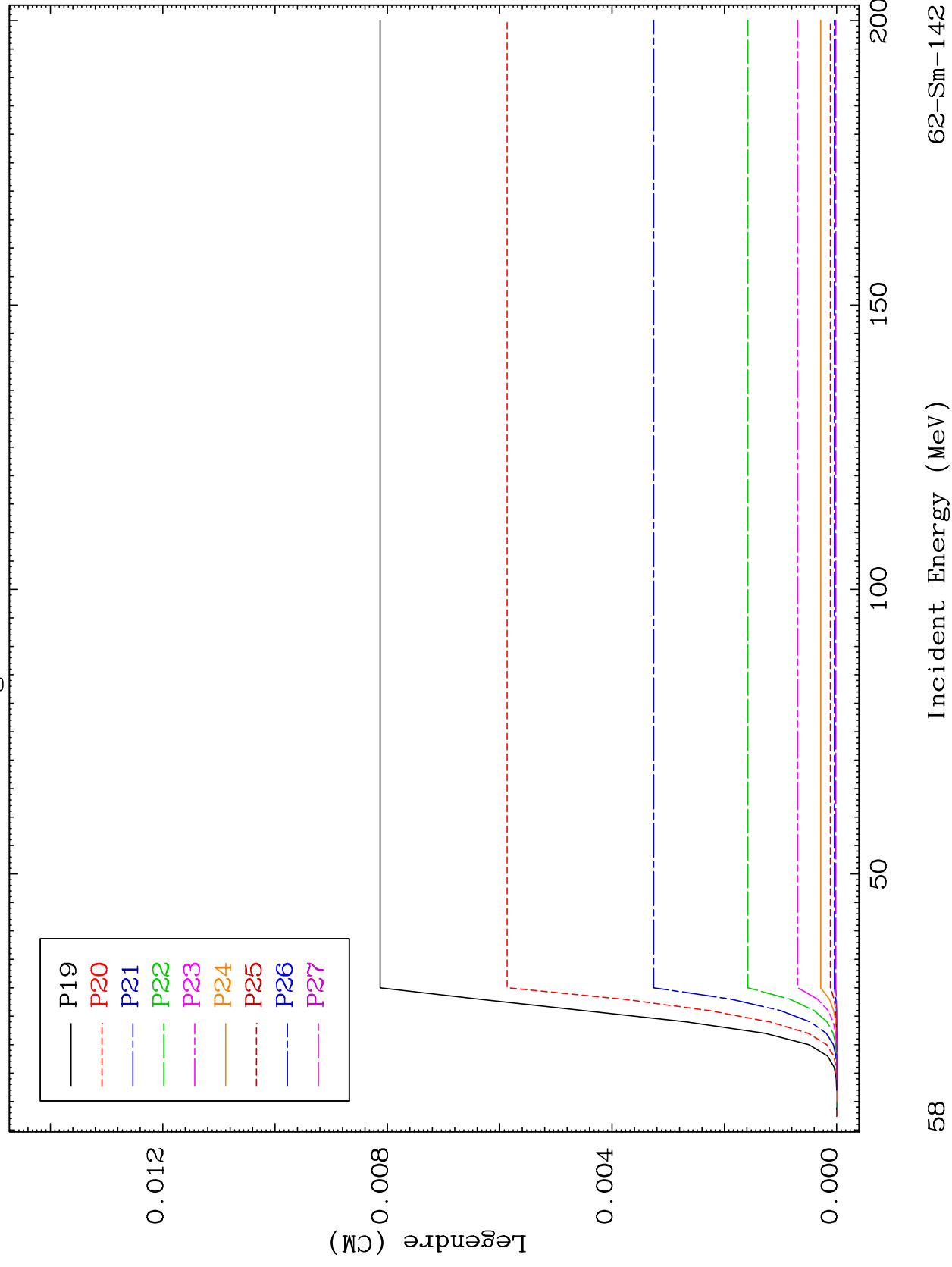


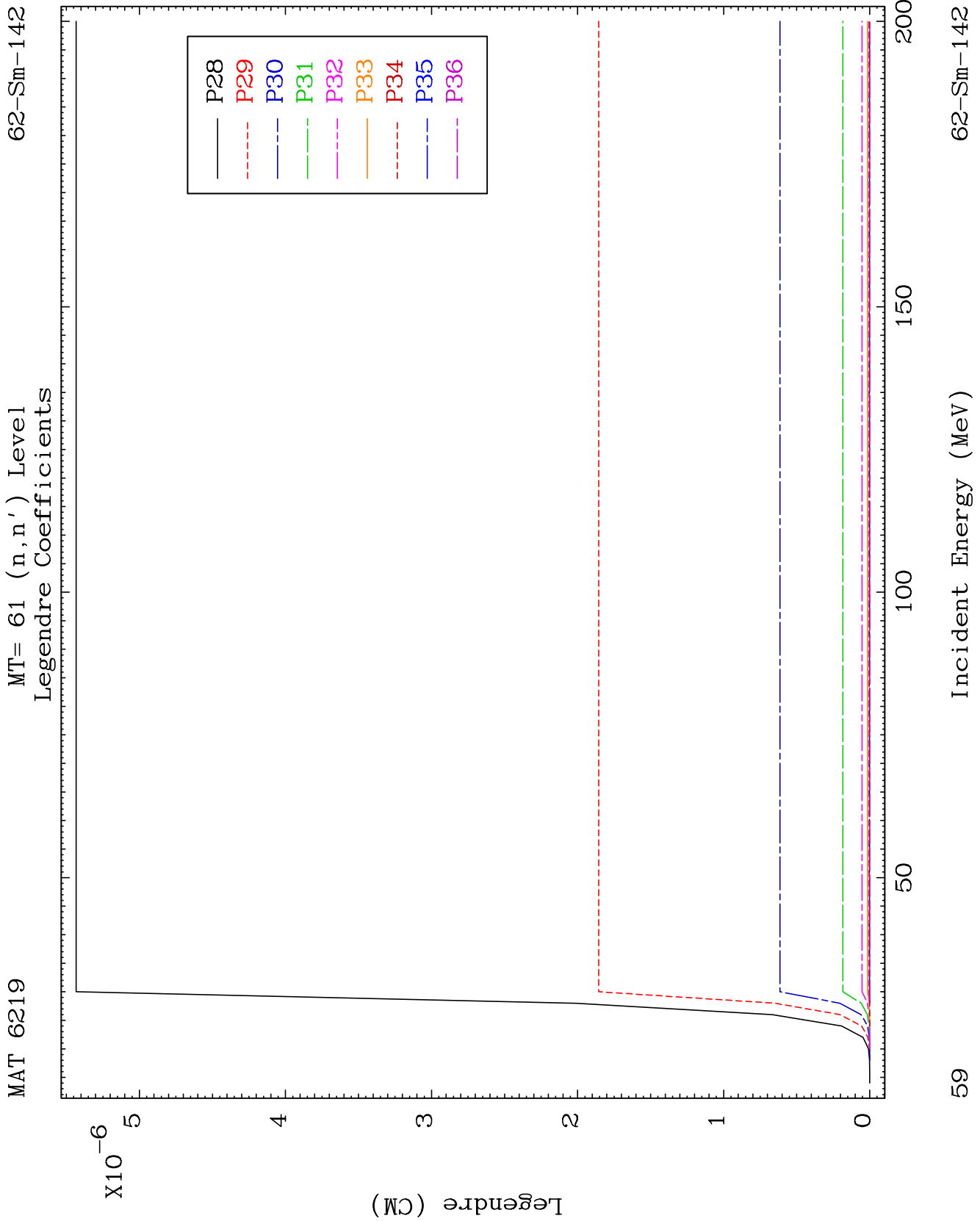


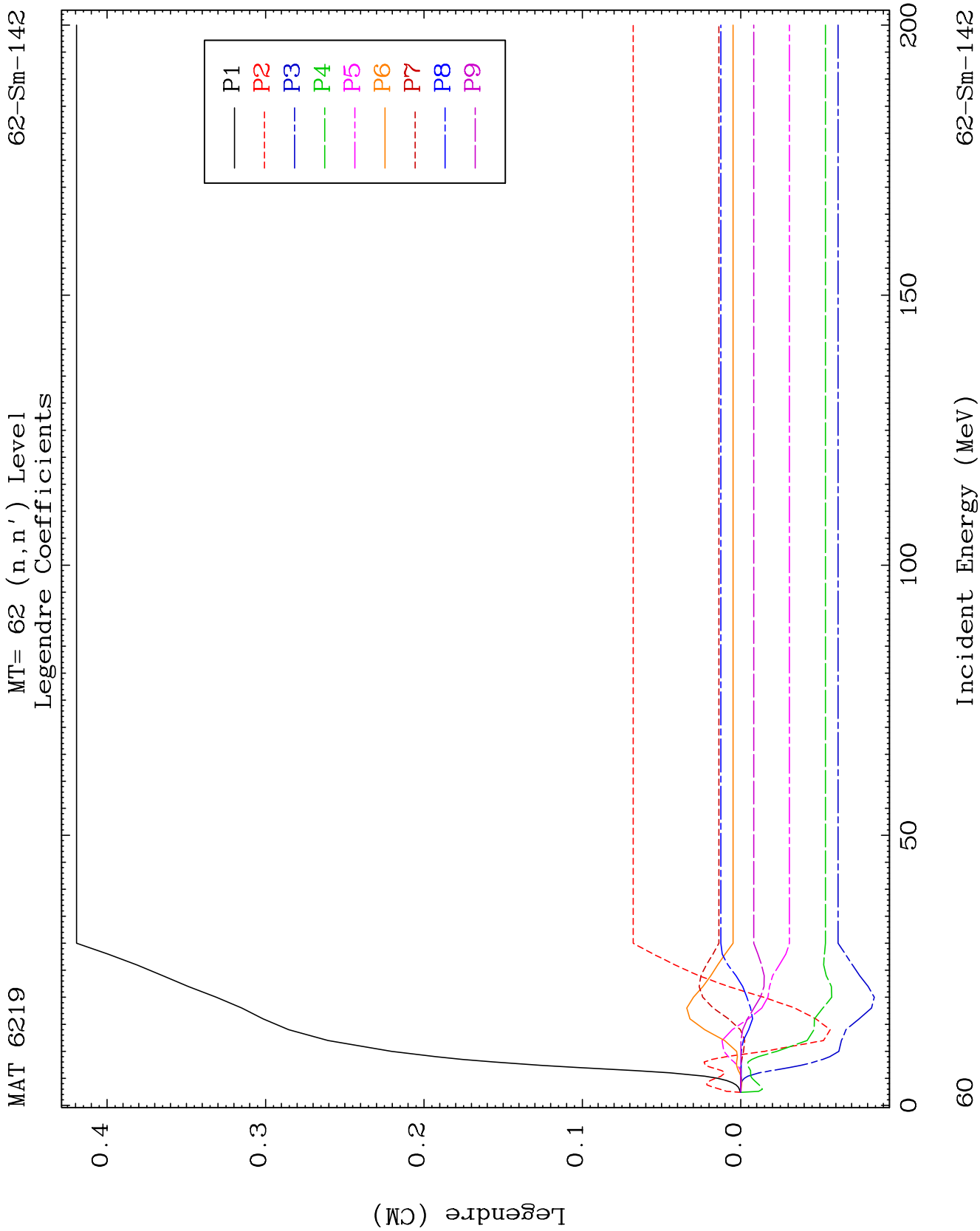
MAT 6219

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

62-Sm-142



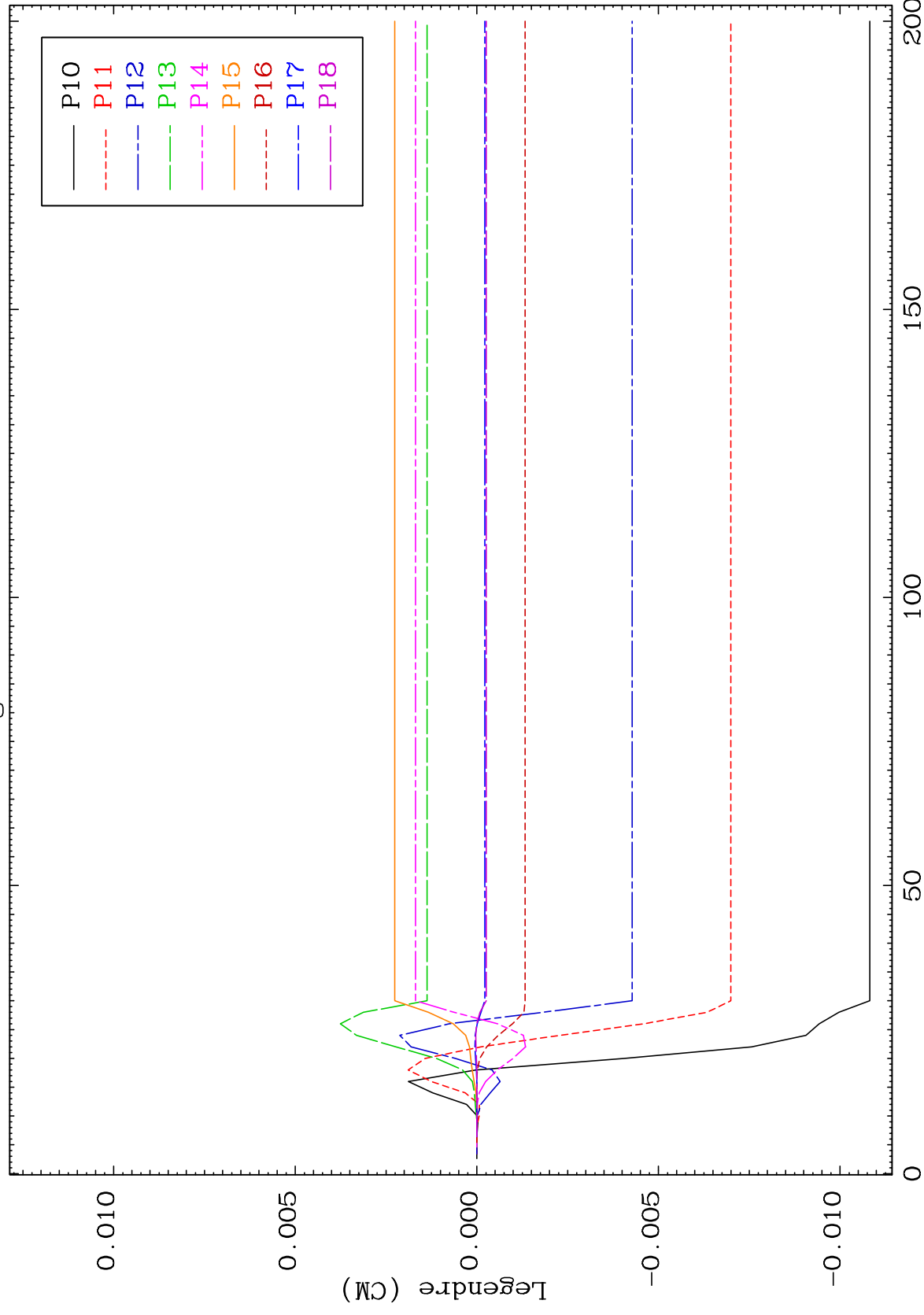




MAT 6219

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

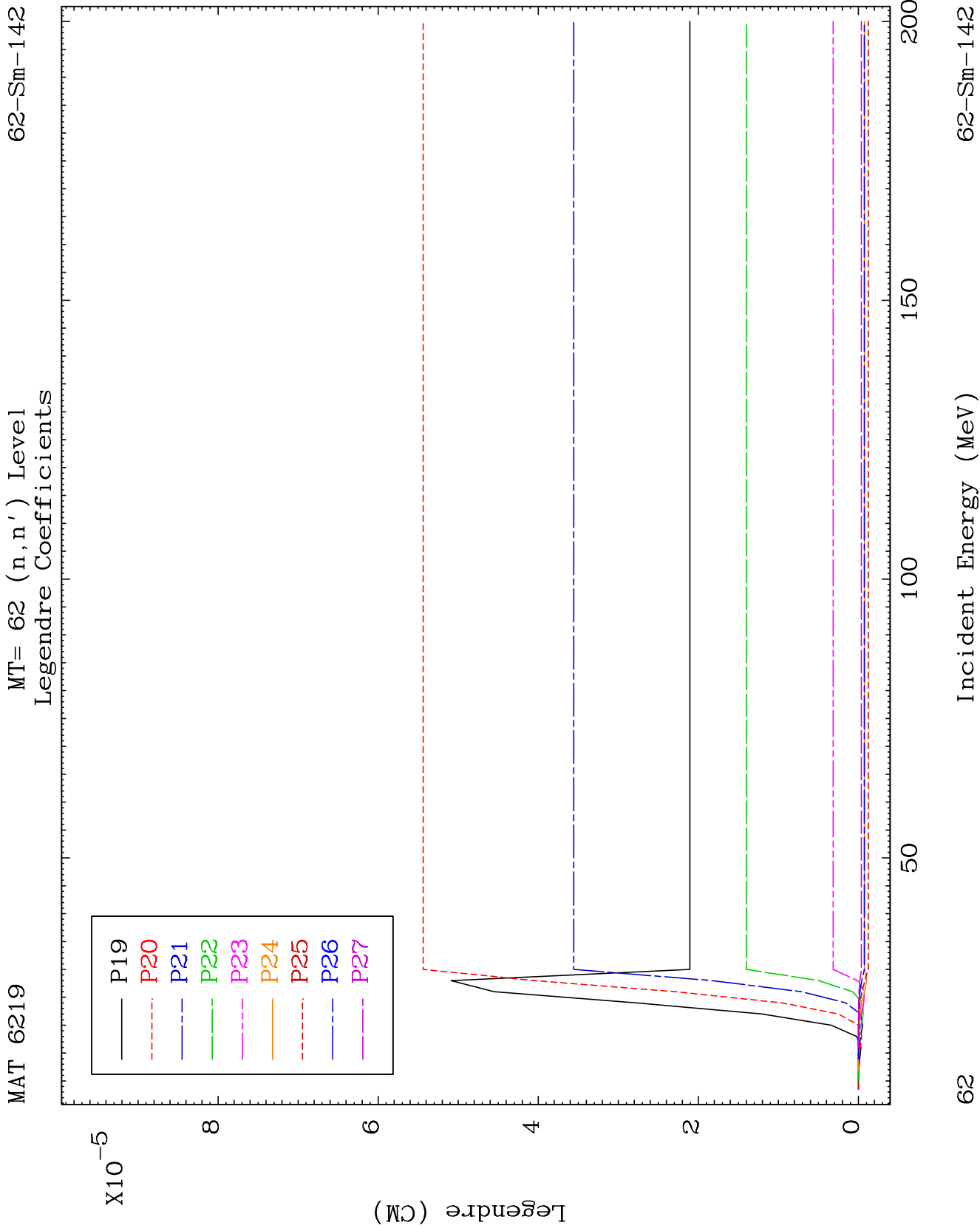
62-Sm-142



61

Incident Energy (MeV)

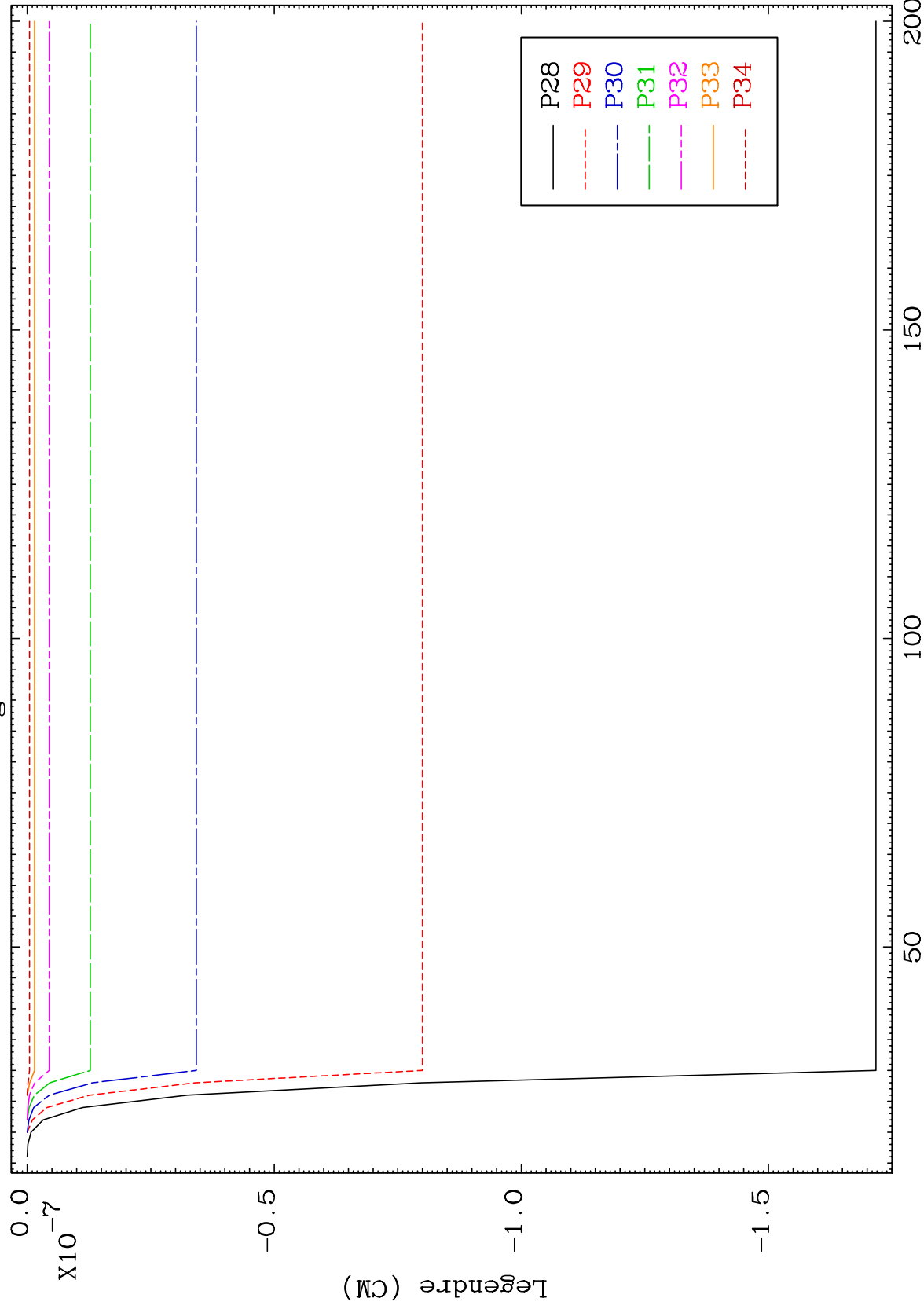
62-Sm-142



MAT 6219

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

62-Sm-142



63

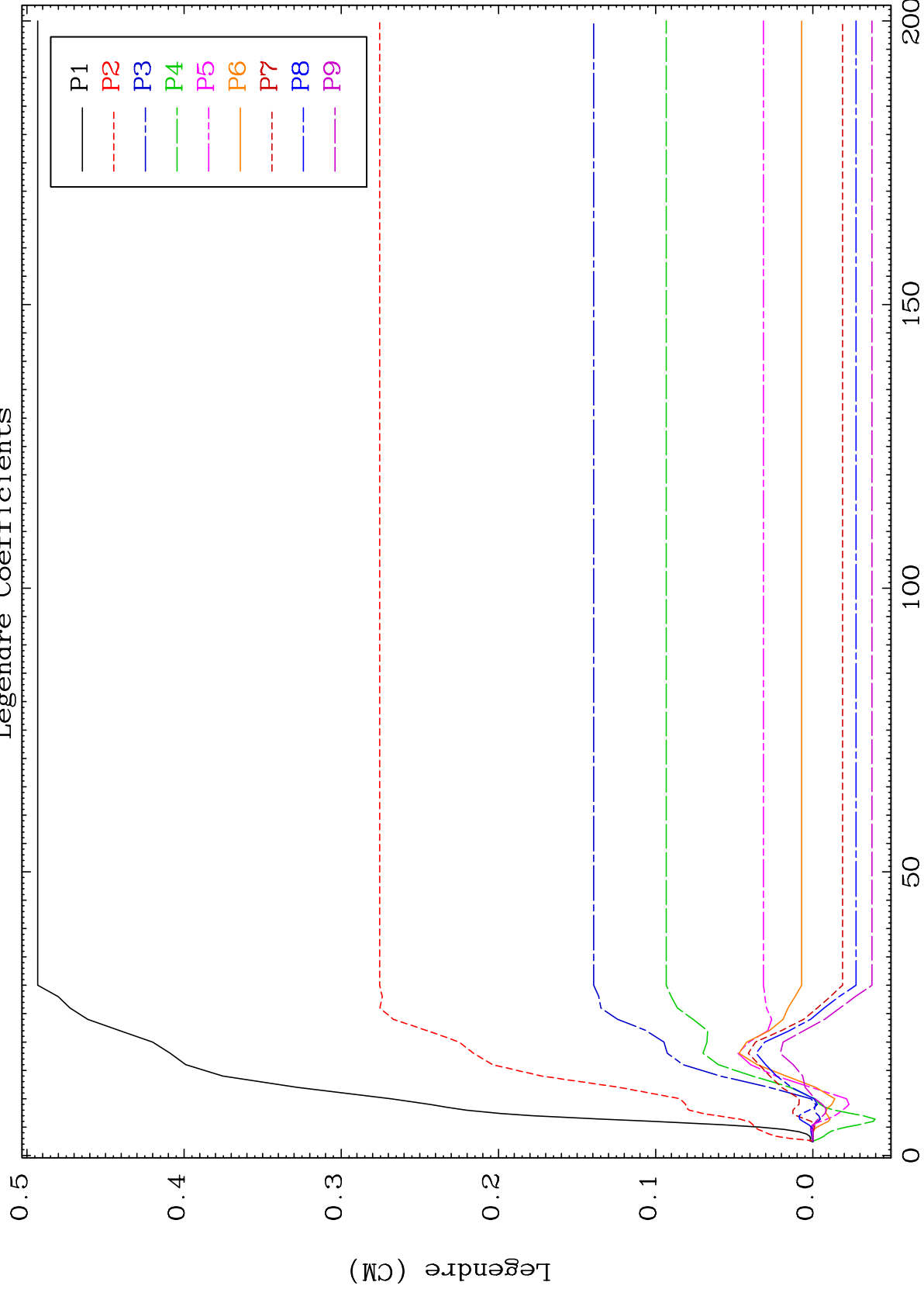
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

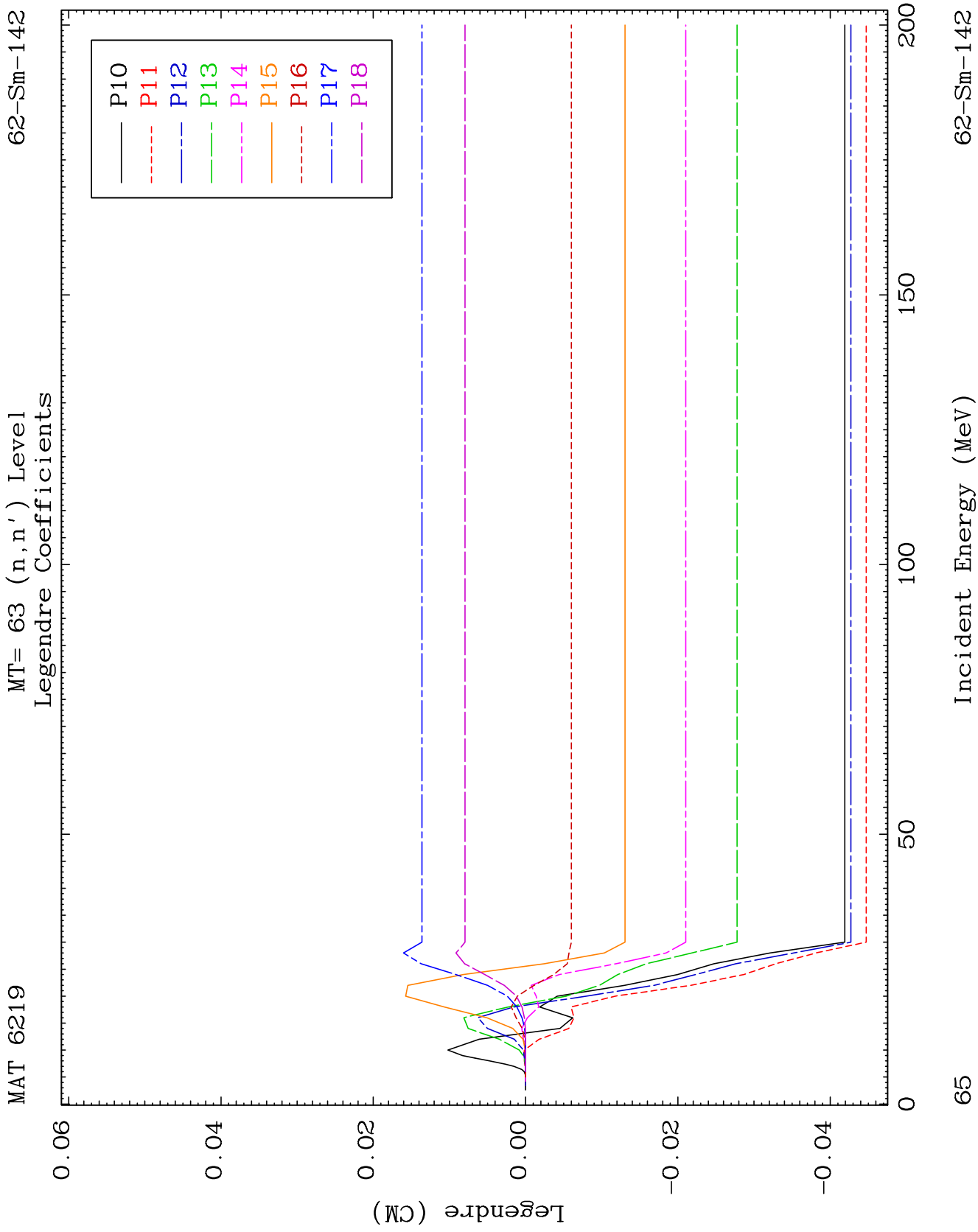
62-Sm-142



64

Incident Energy (MeV)

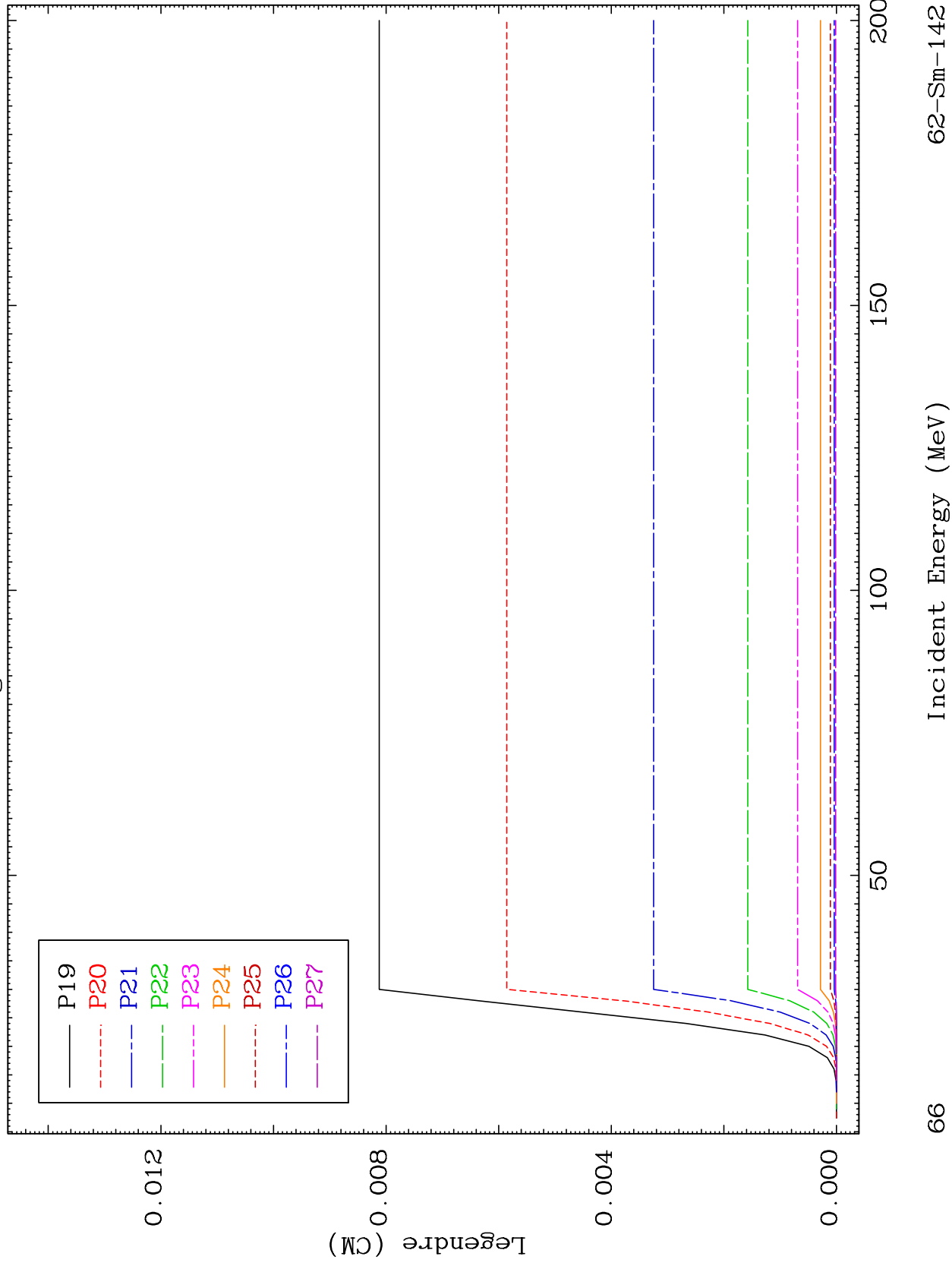
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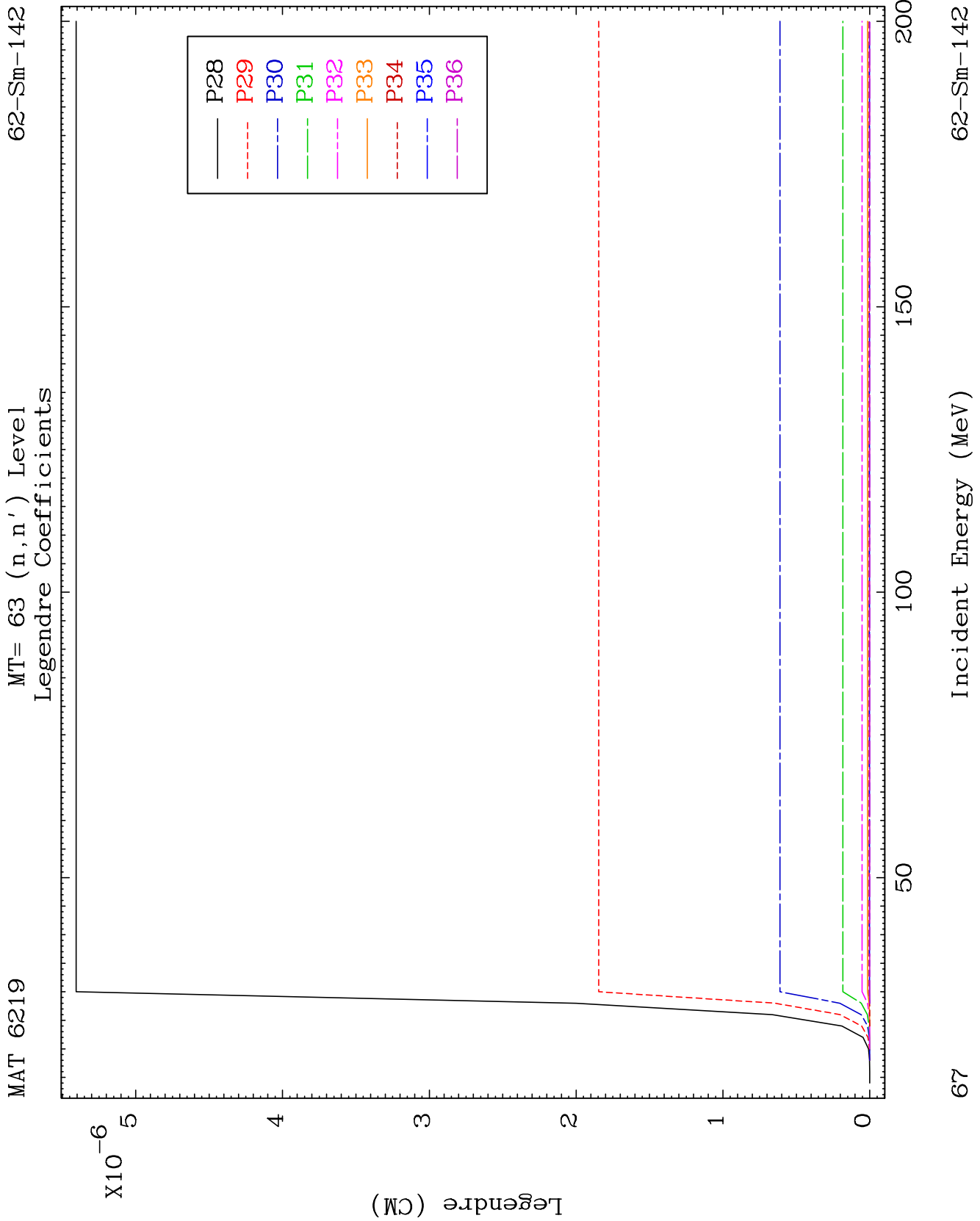


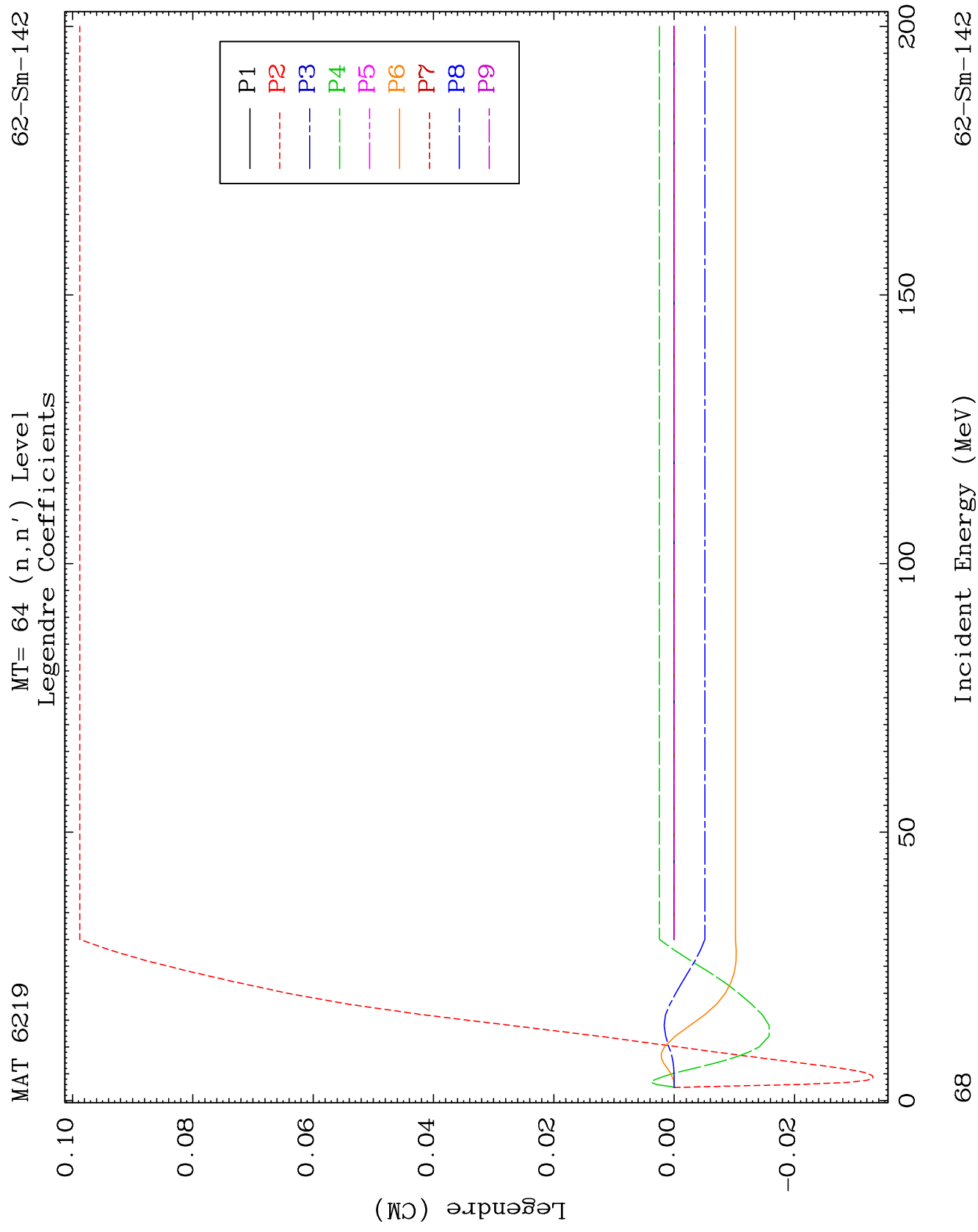
MAT 6219

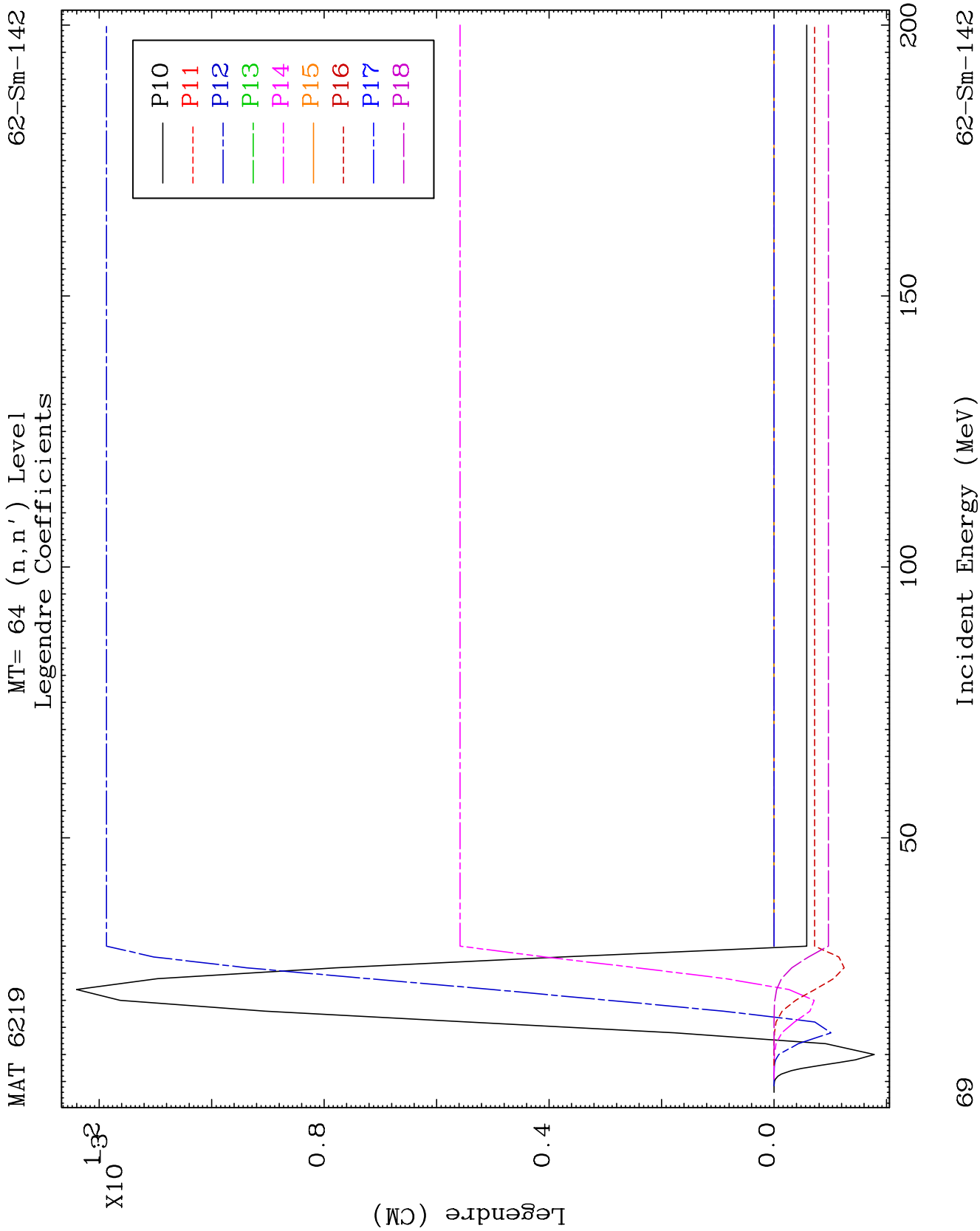
MT= 63 (n, n') Level
Legendre Coefficients

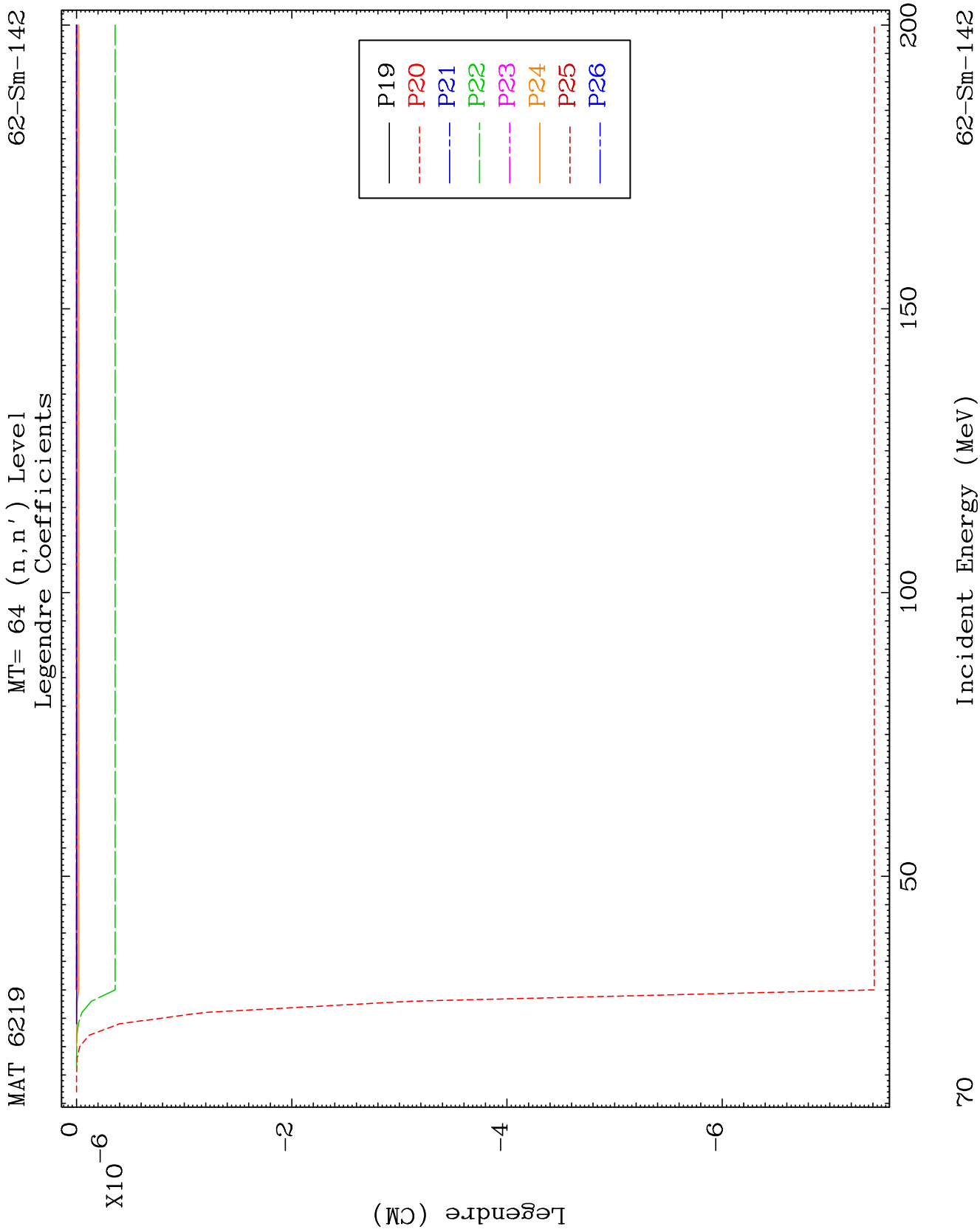
62-Sm-142

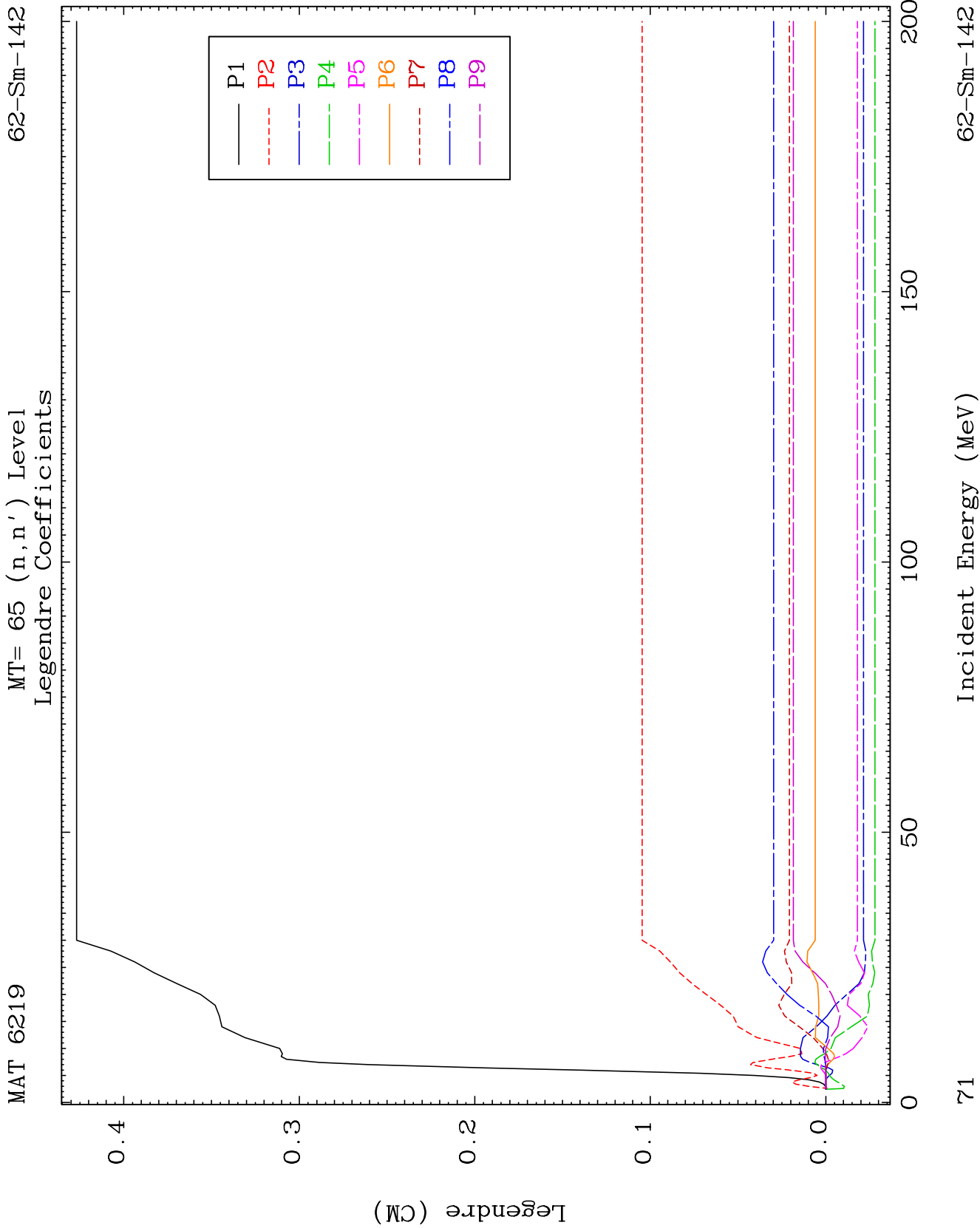


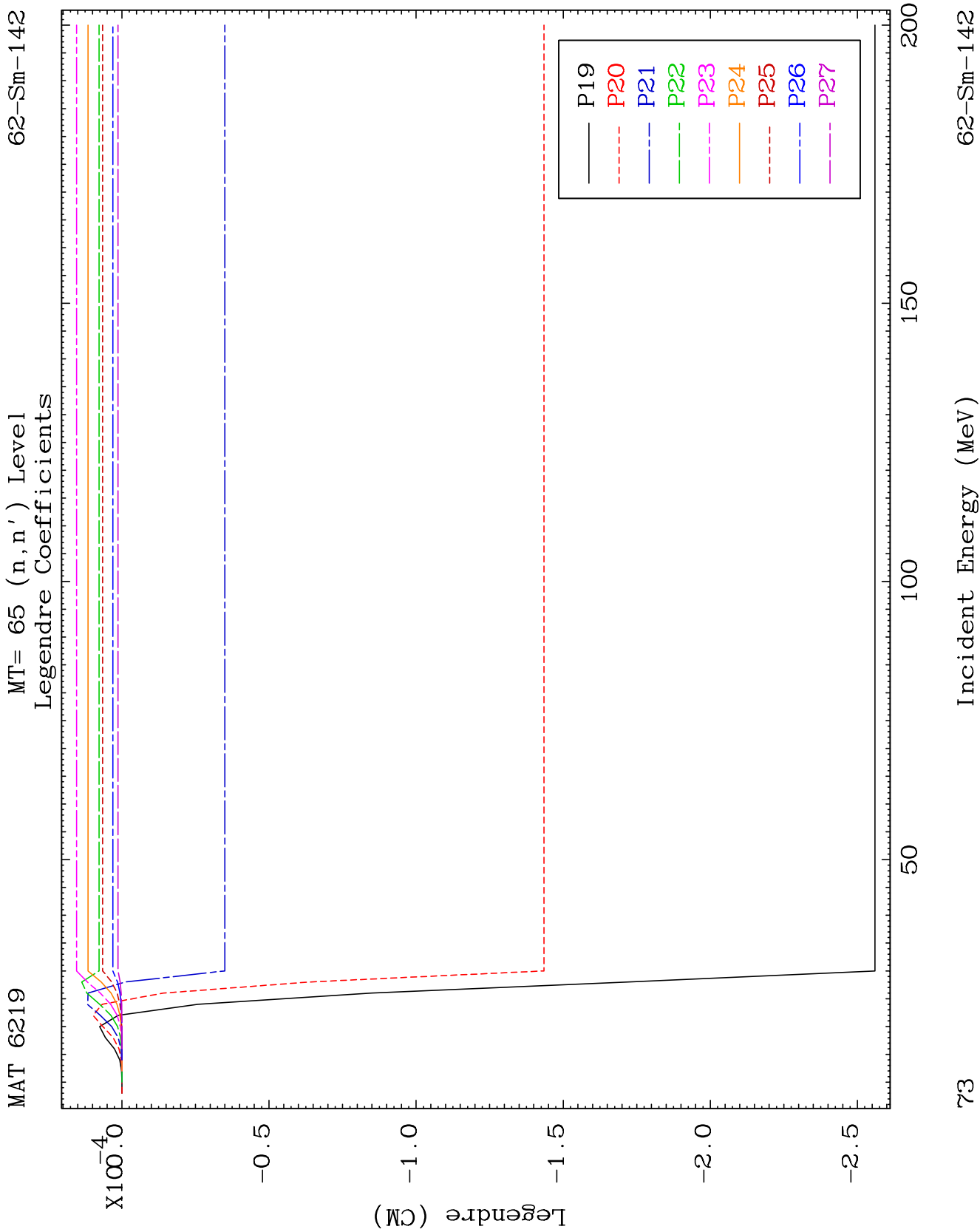


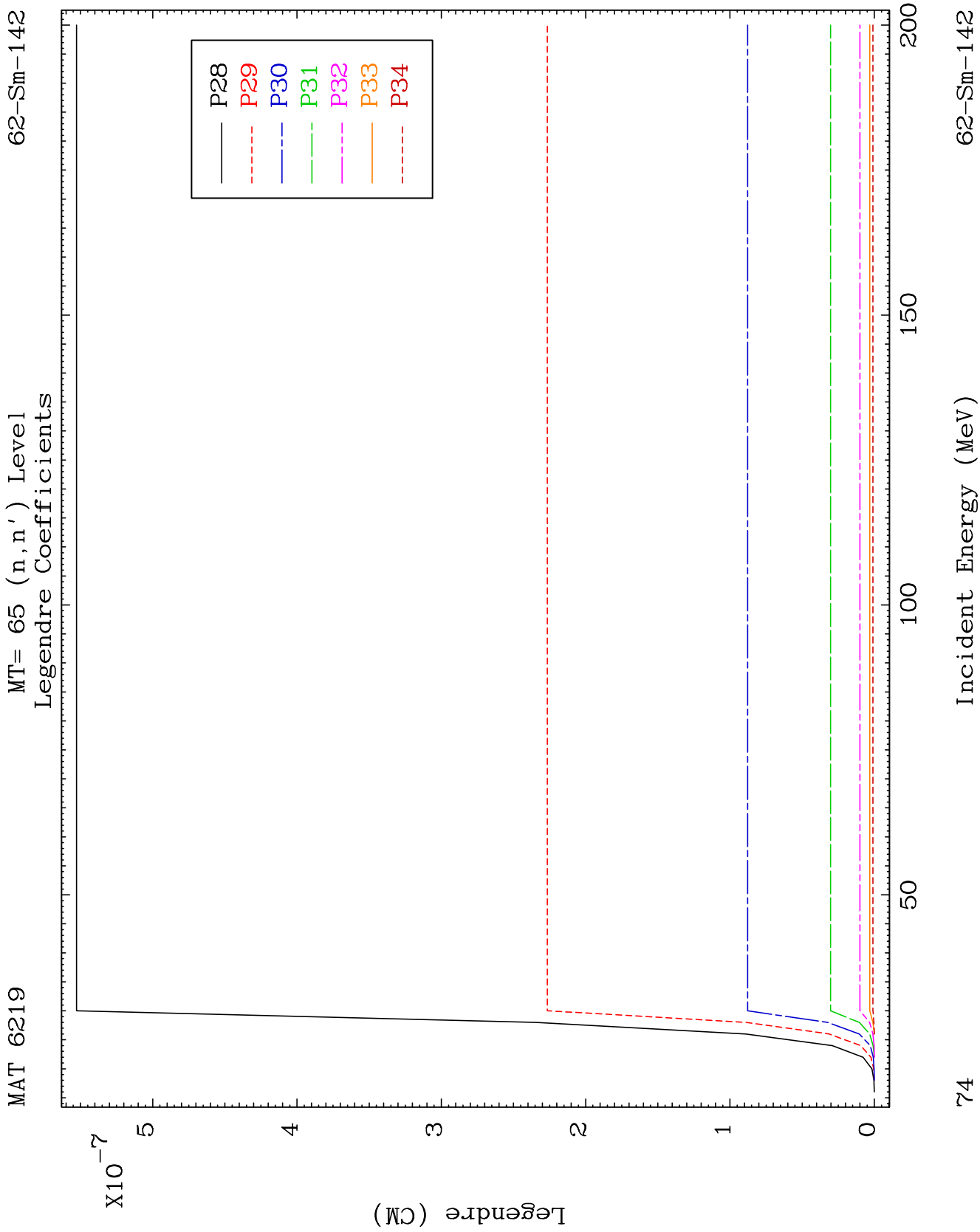


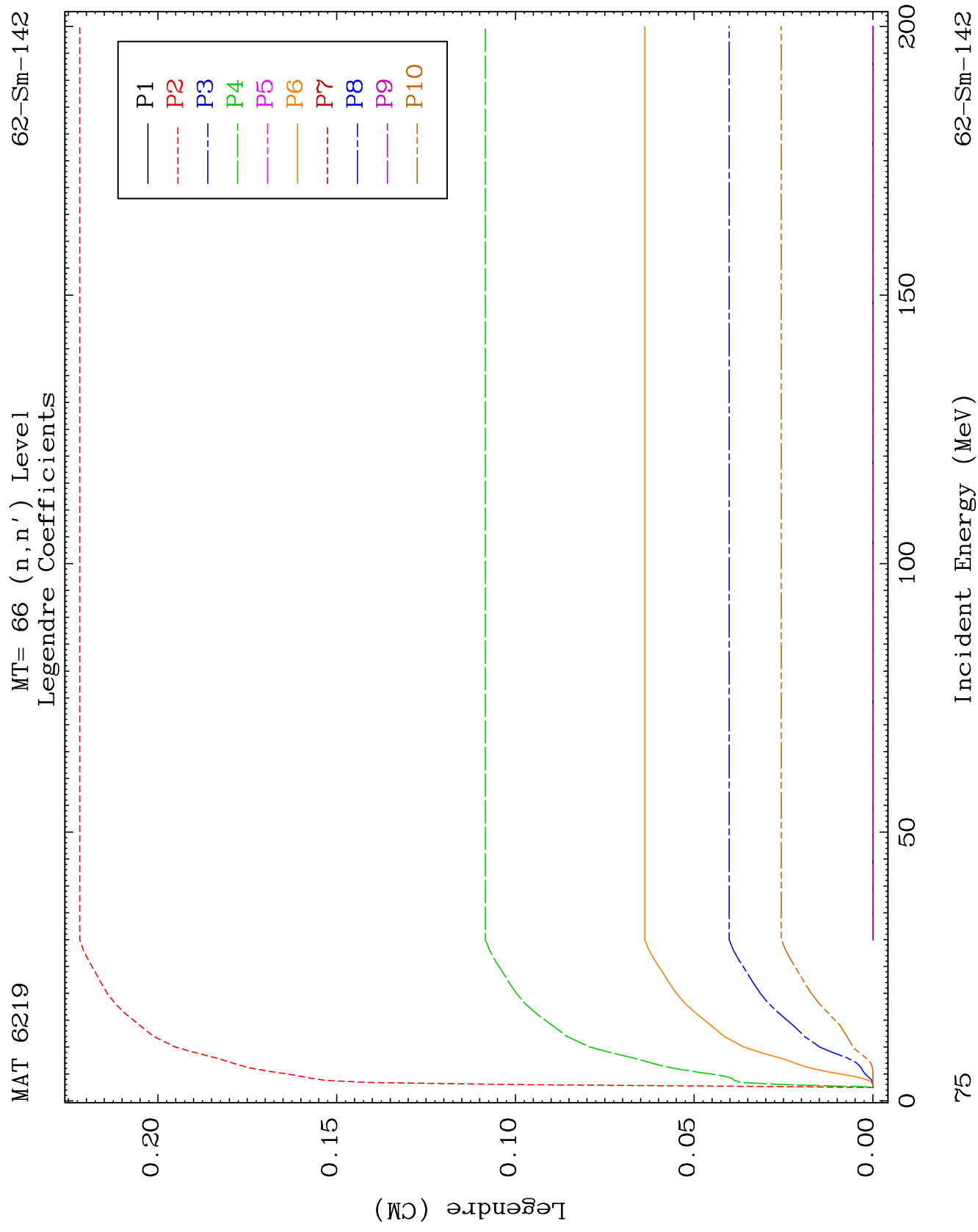










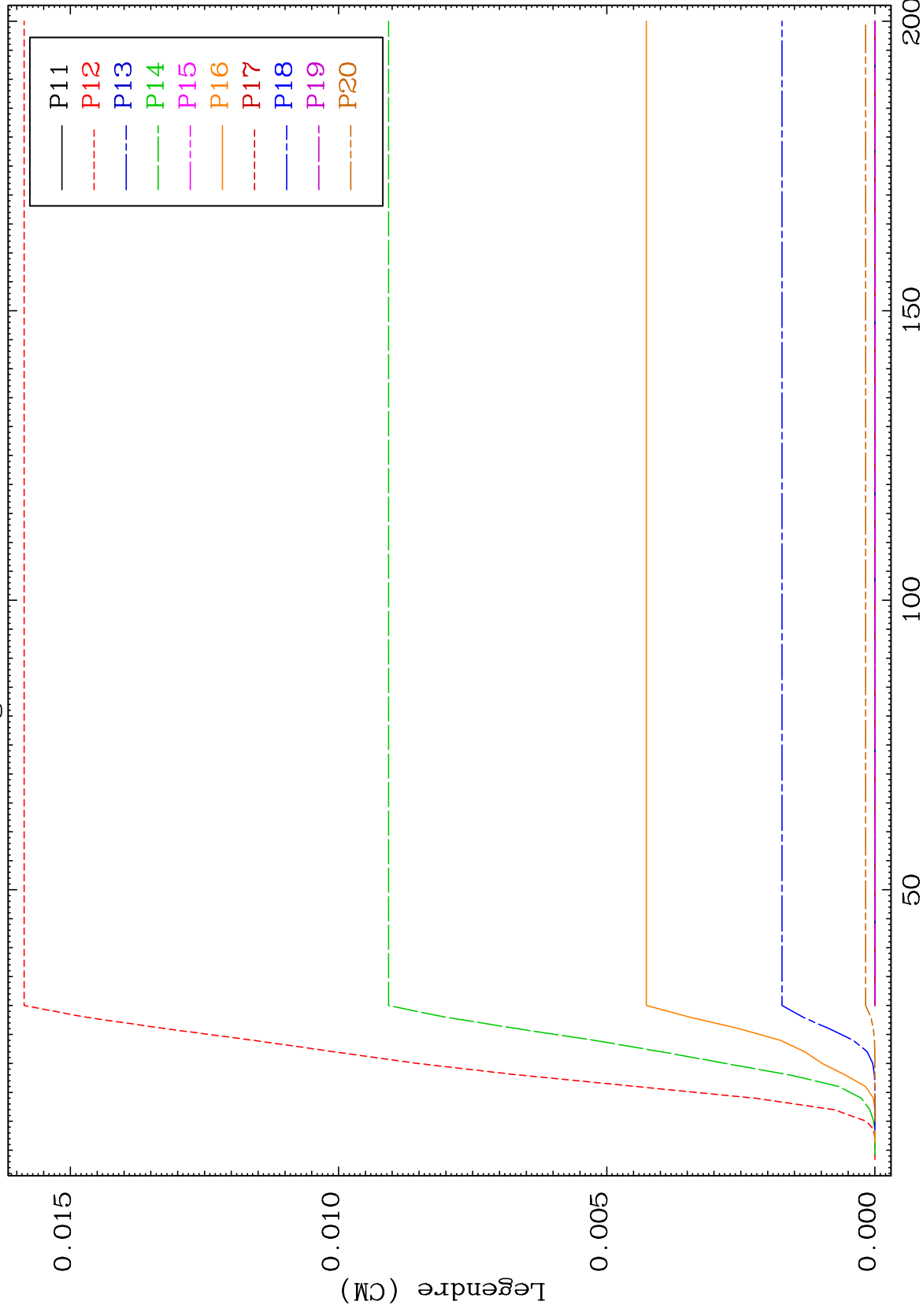


MAT 6219

MT= 66 (n, n') Level

62-Sm-142

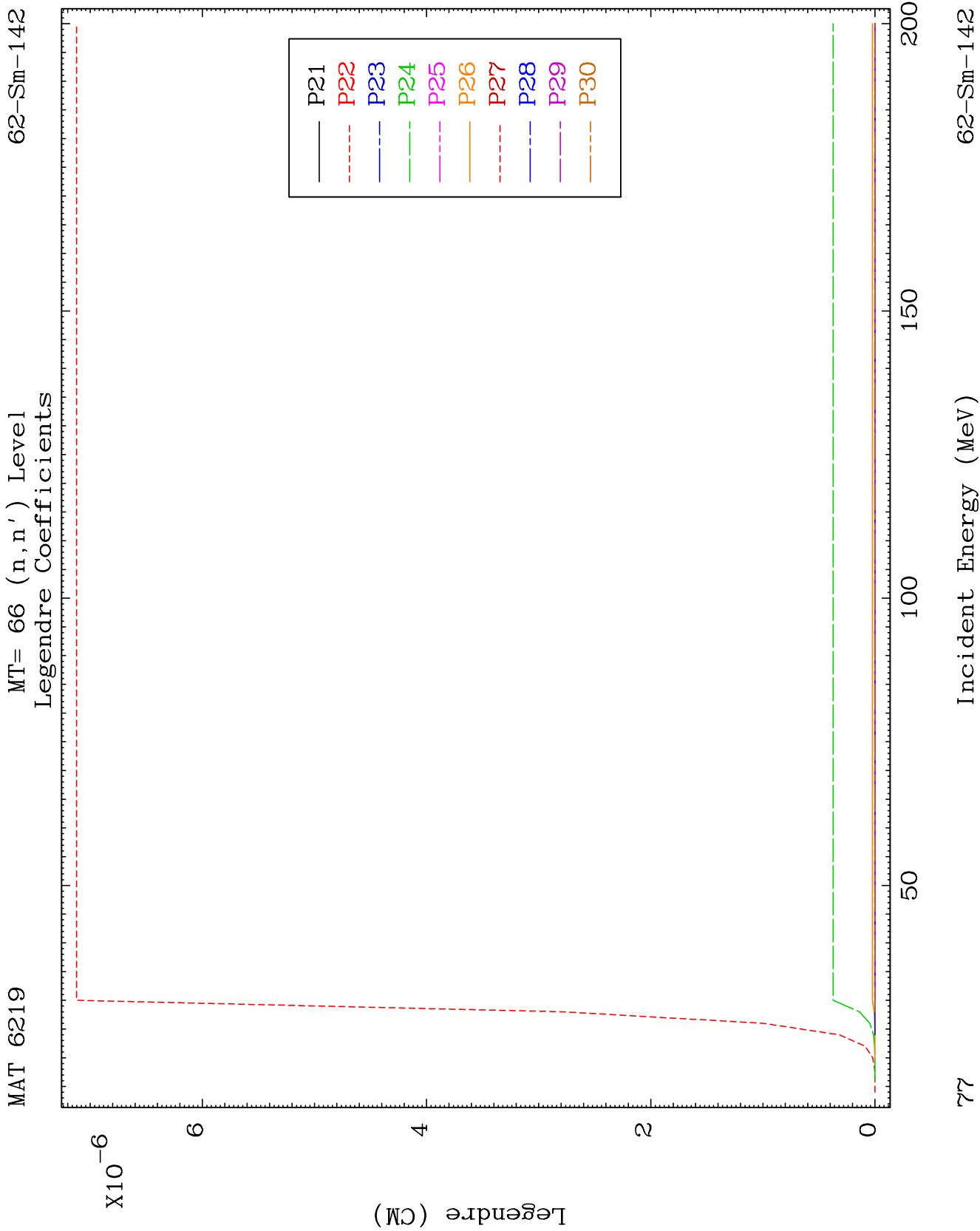
Legendre Coefficients



92

Incident Energy (MeV)

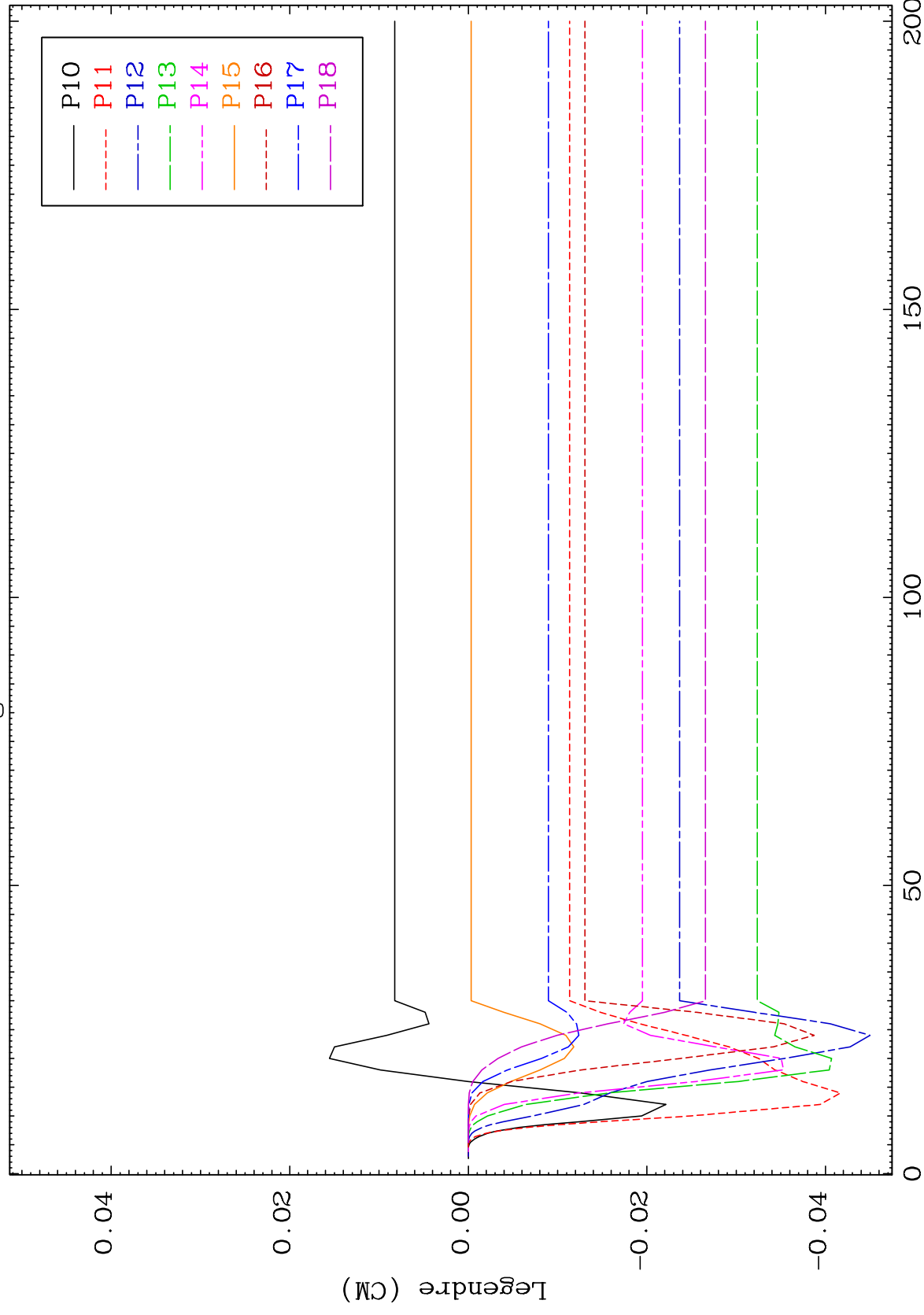
62-Sm-142



MAT 6219

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

62-Sm-142



62

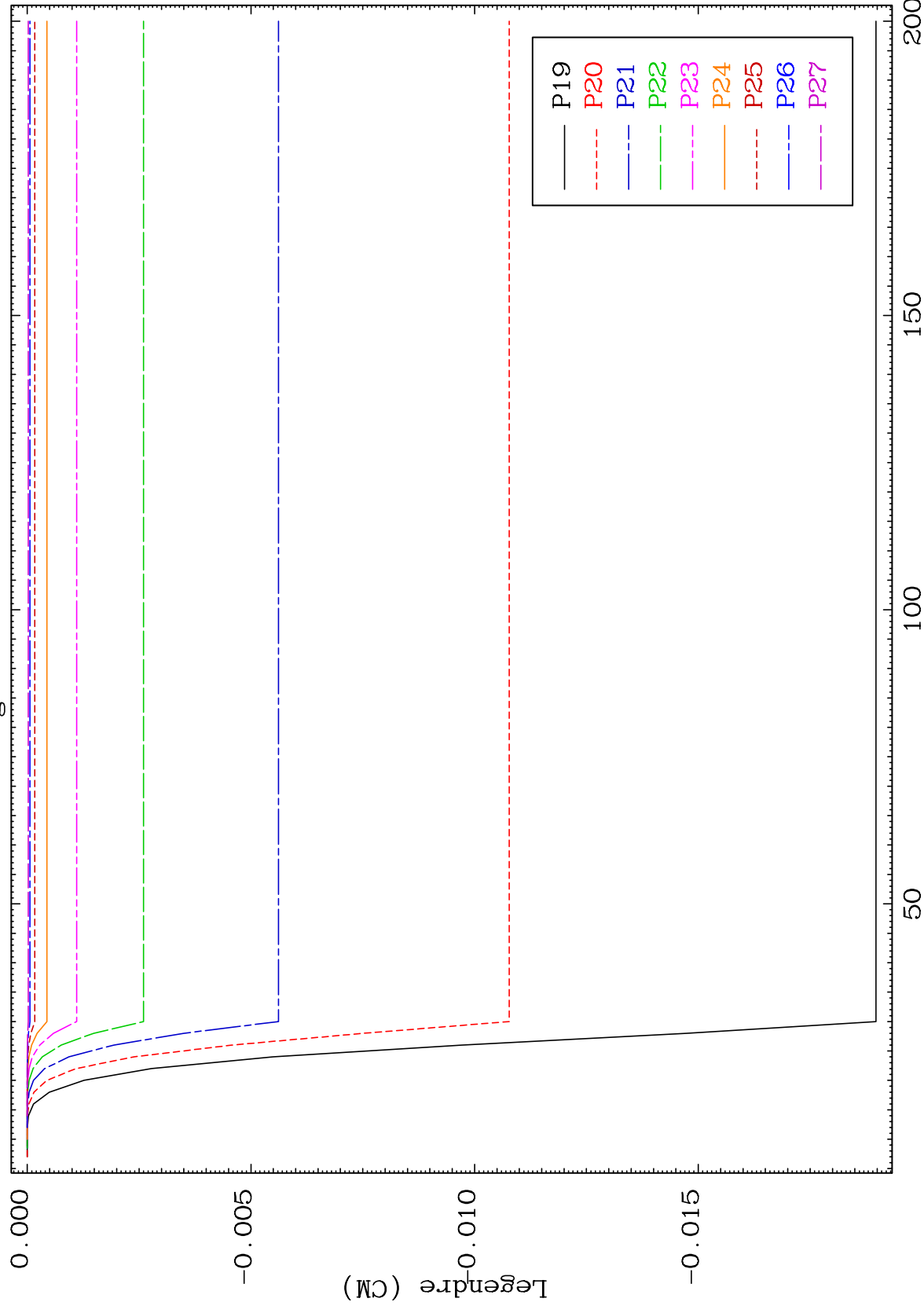
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

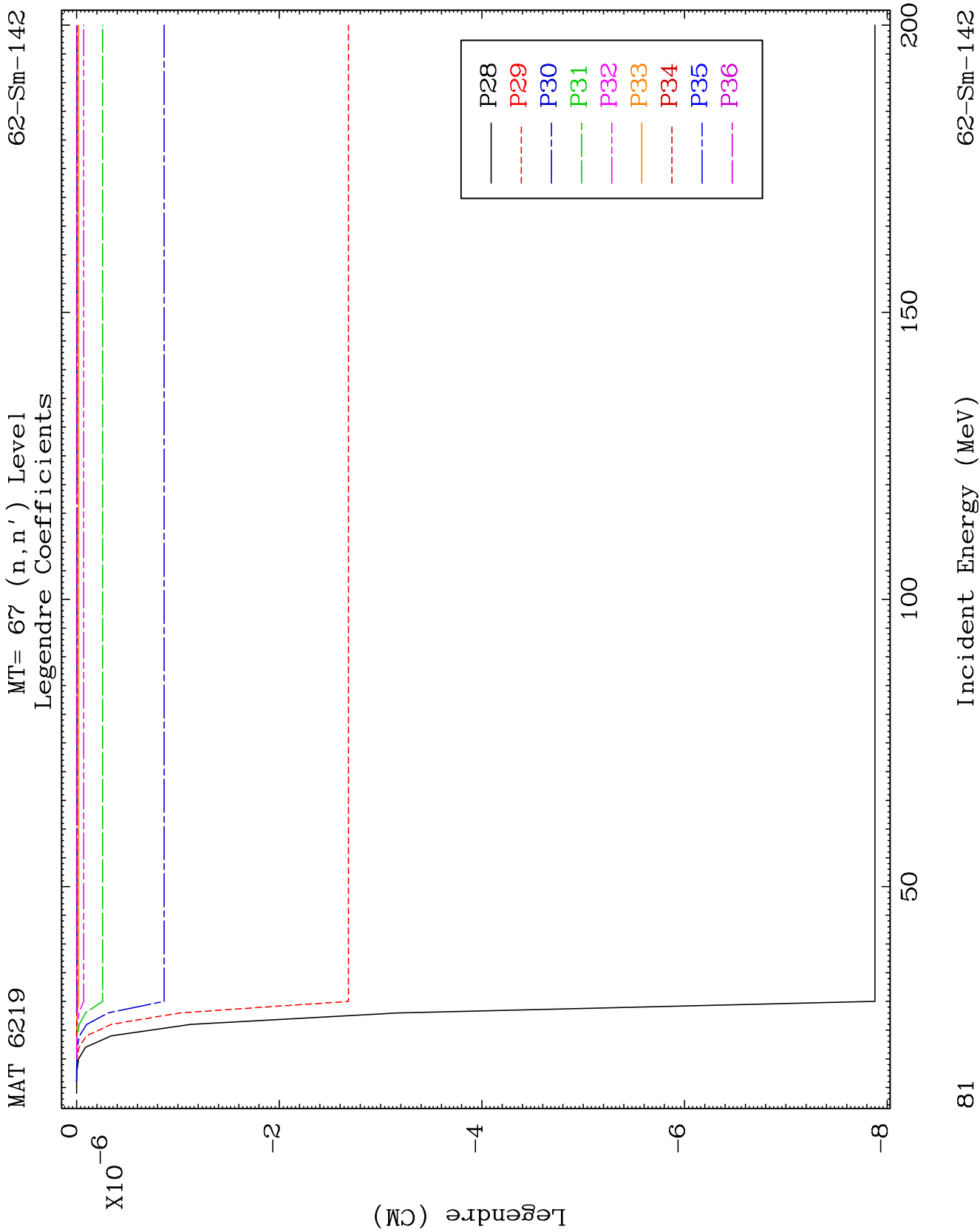
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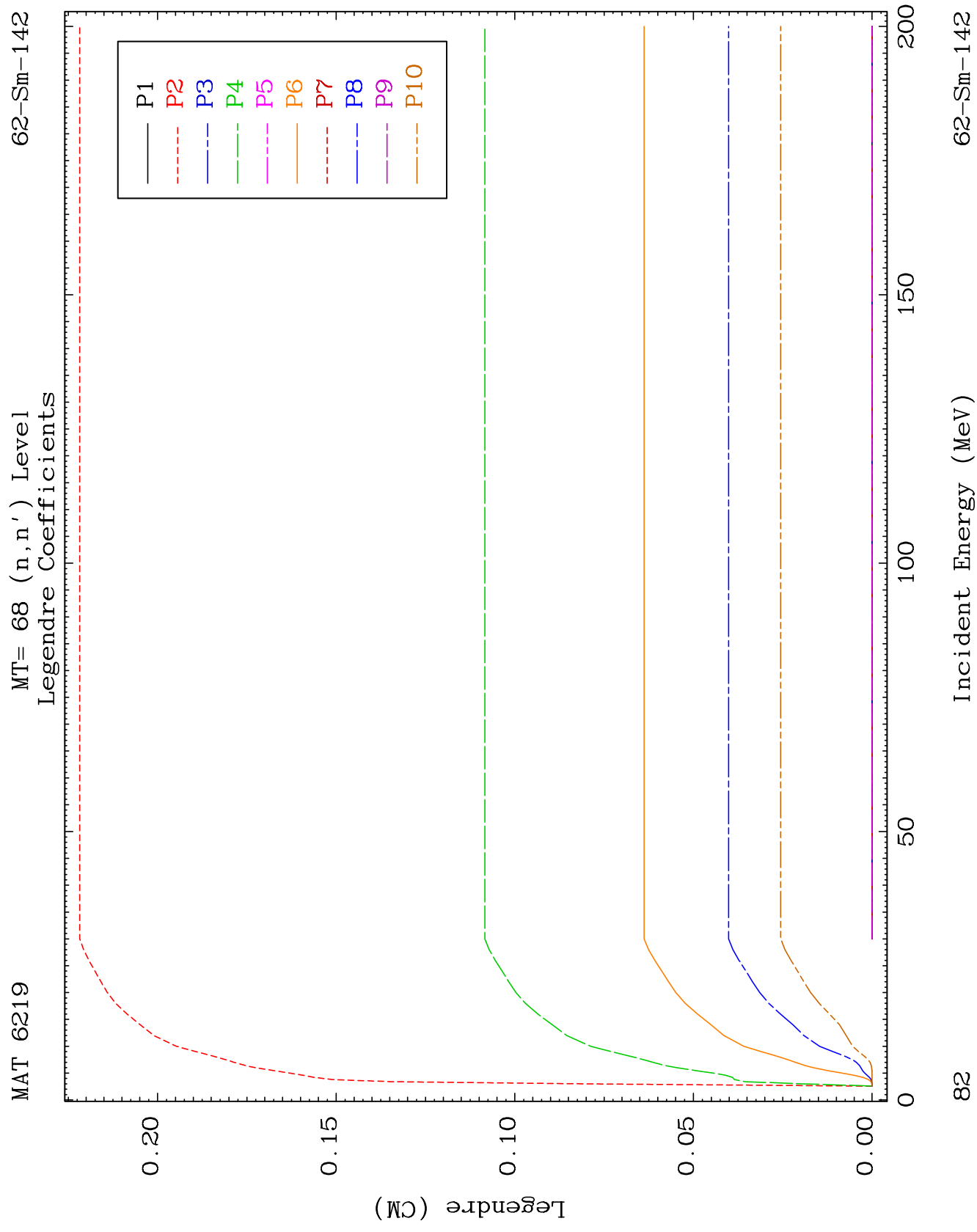


88

Incident Energy (MeV)

62-Sm-142

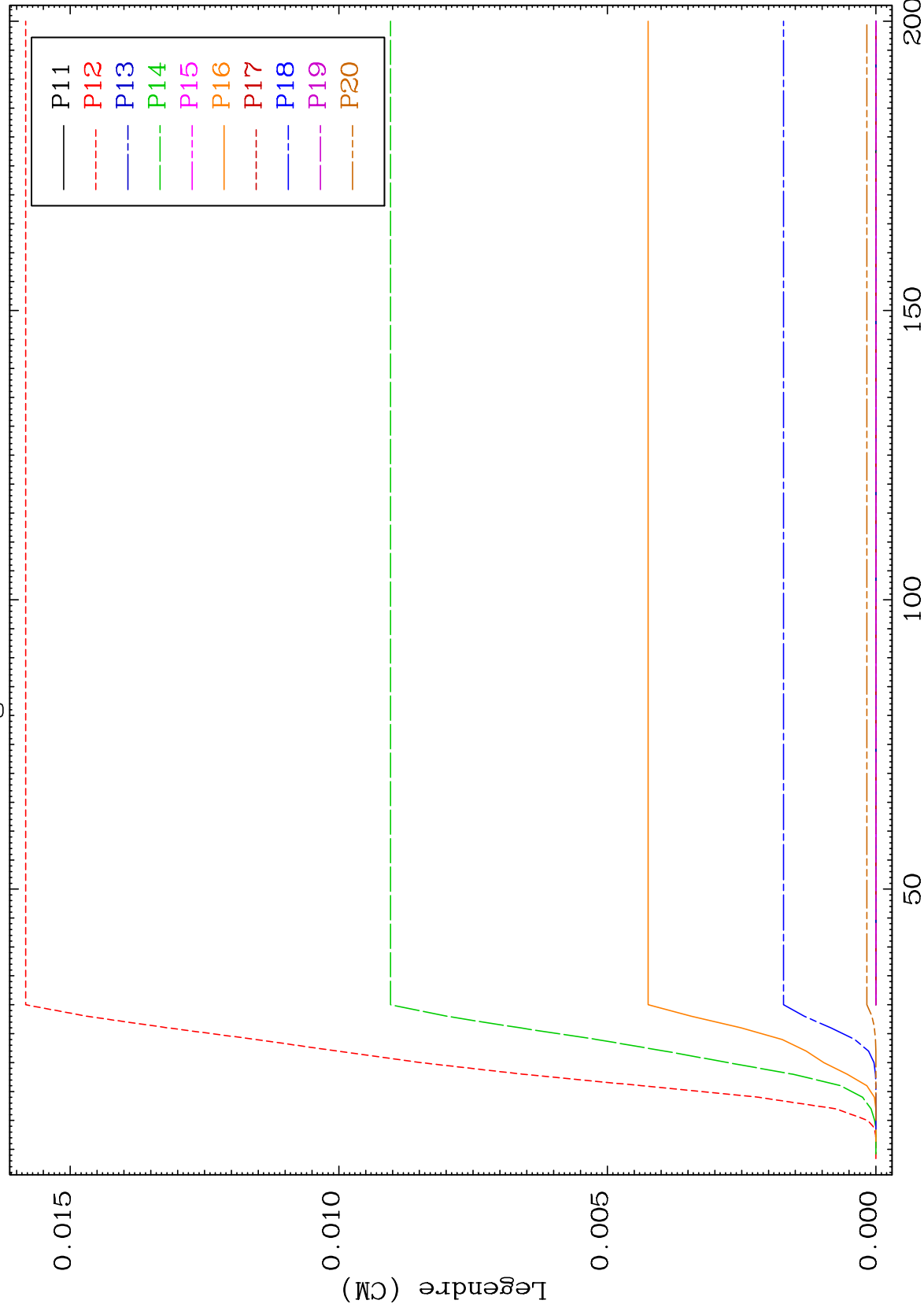




MAT 6219

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

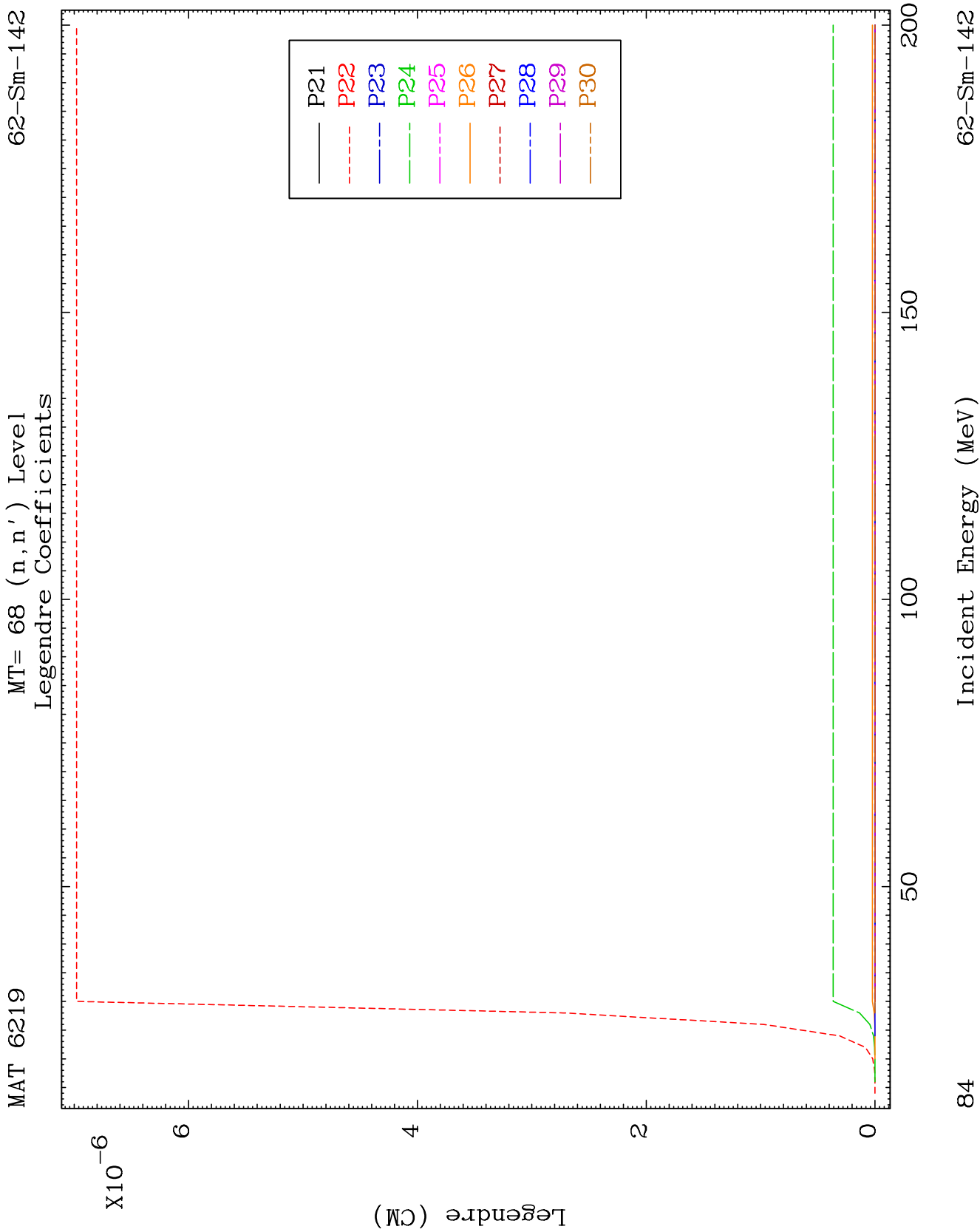
62-Sm-142



38

Incident Energy (MeV)

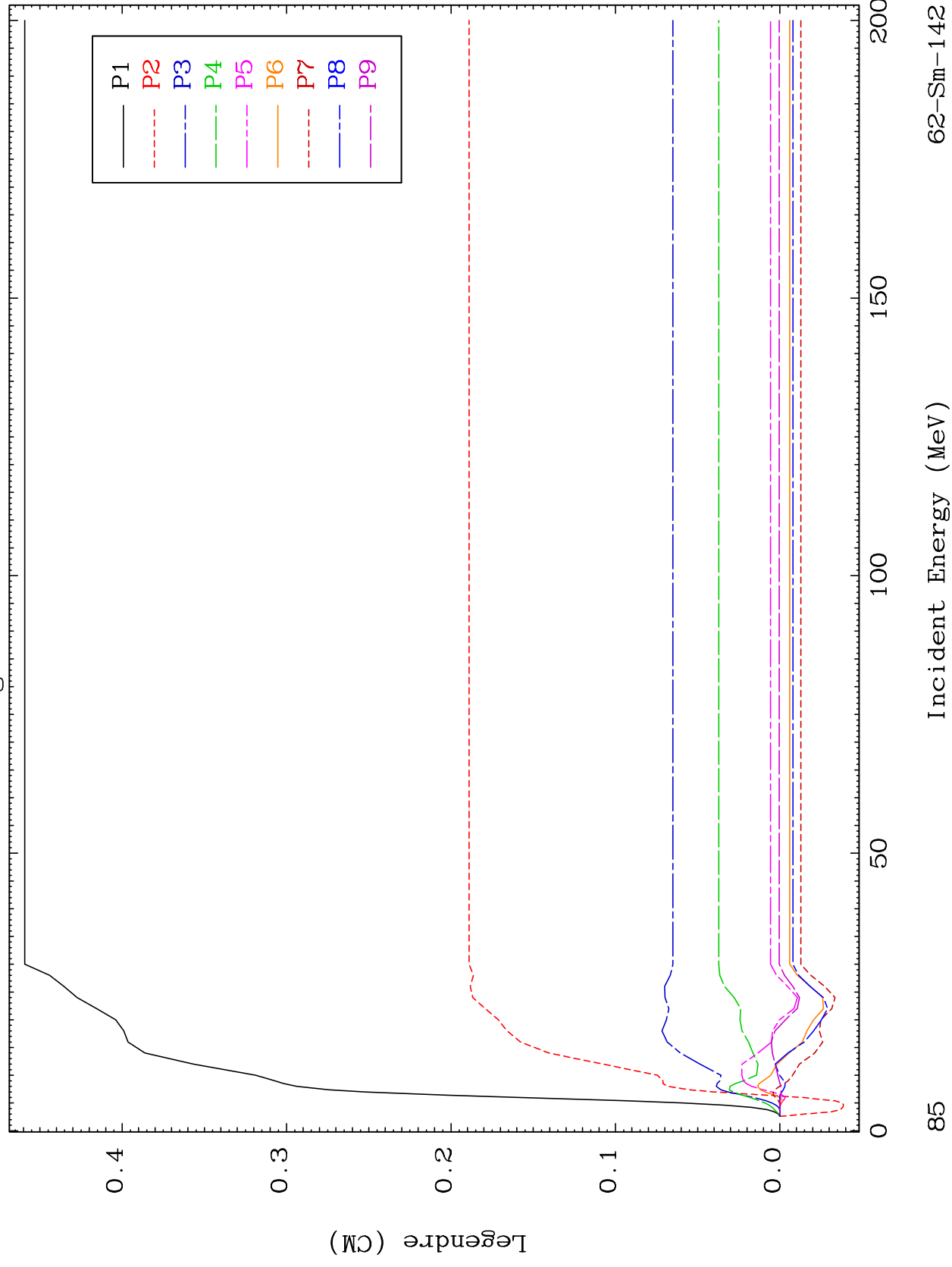
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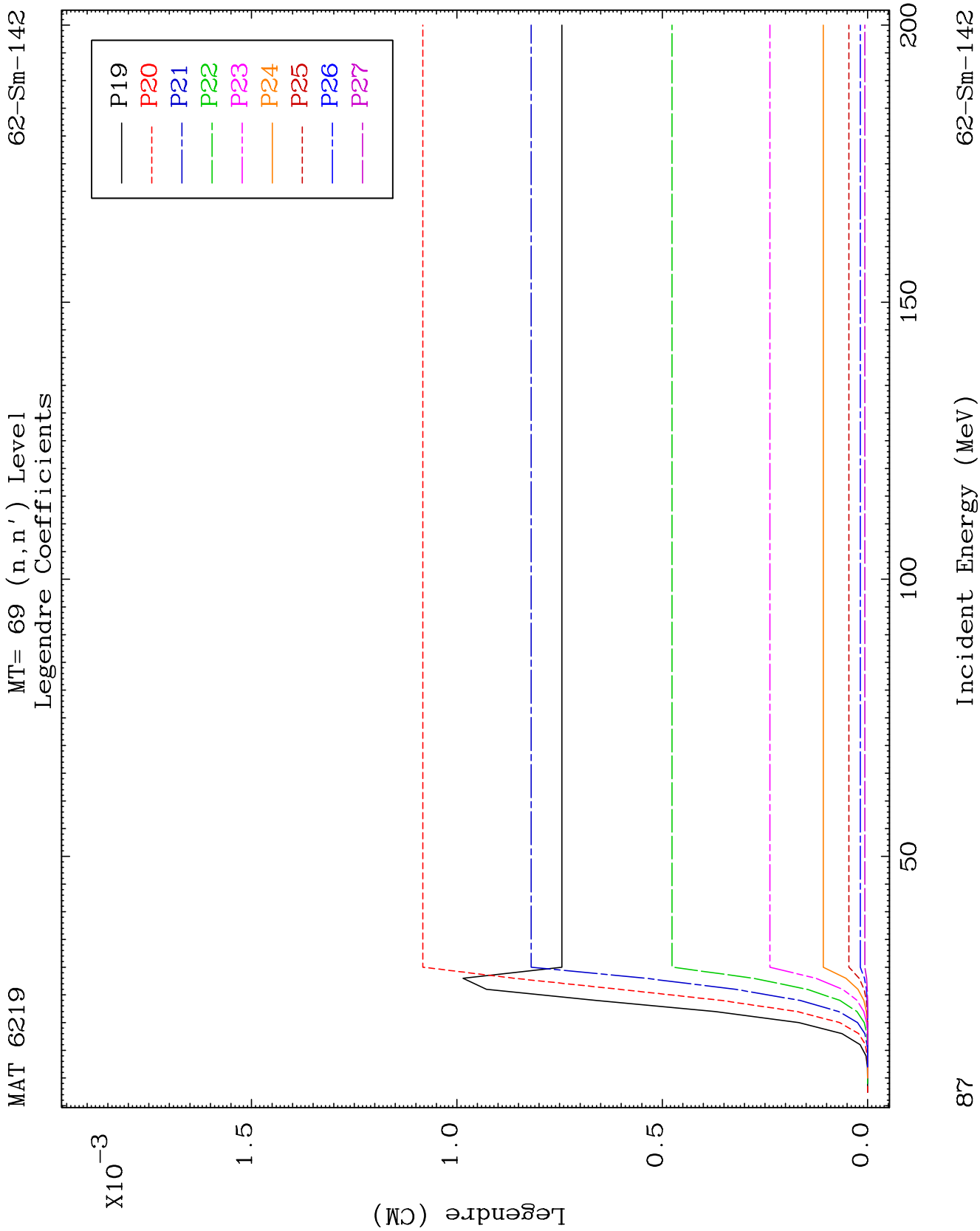


MAT 6219

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

62-Sm-142

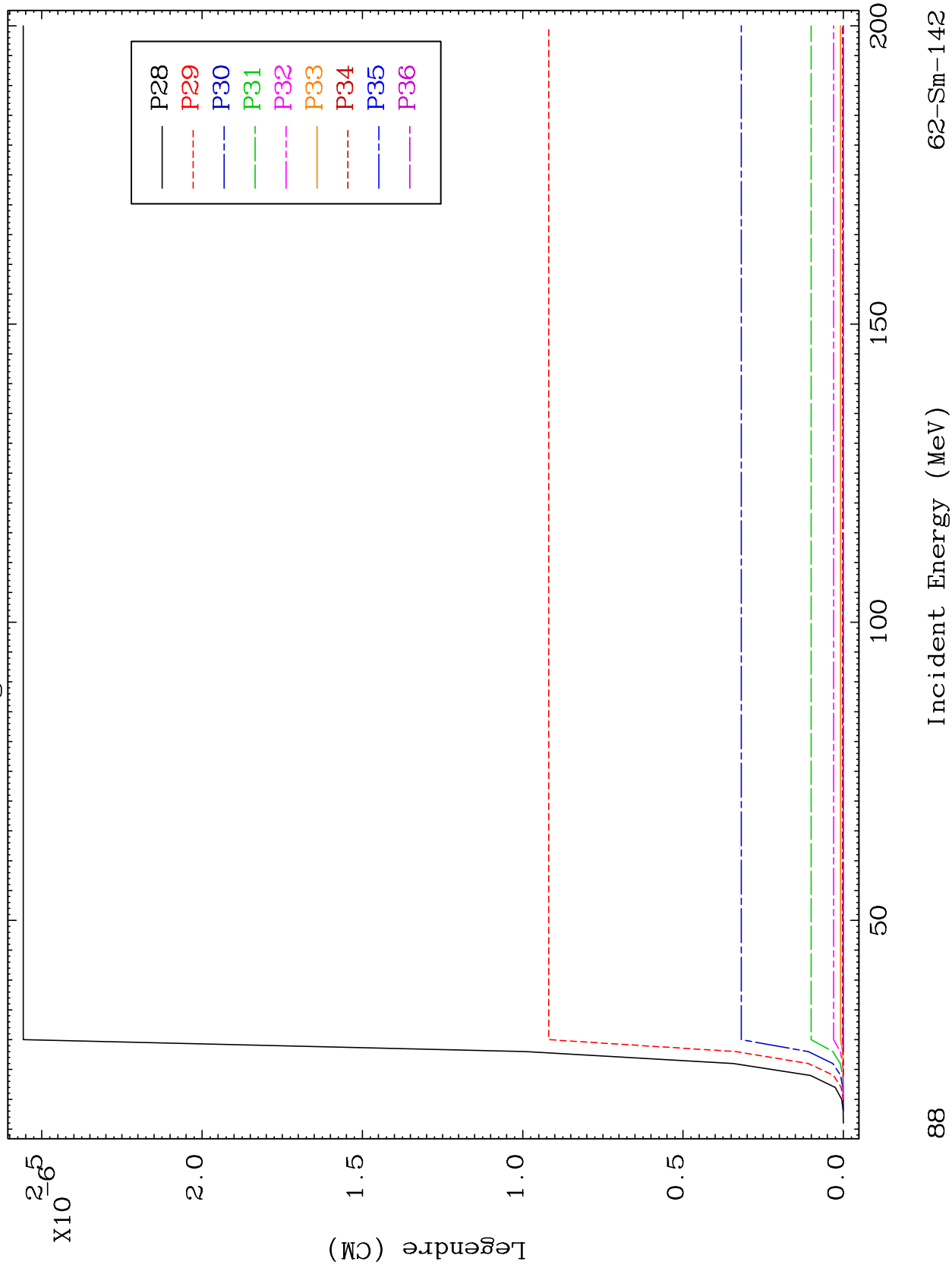


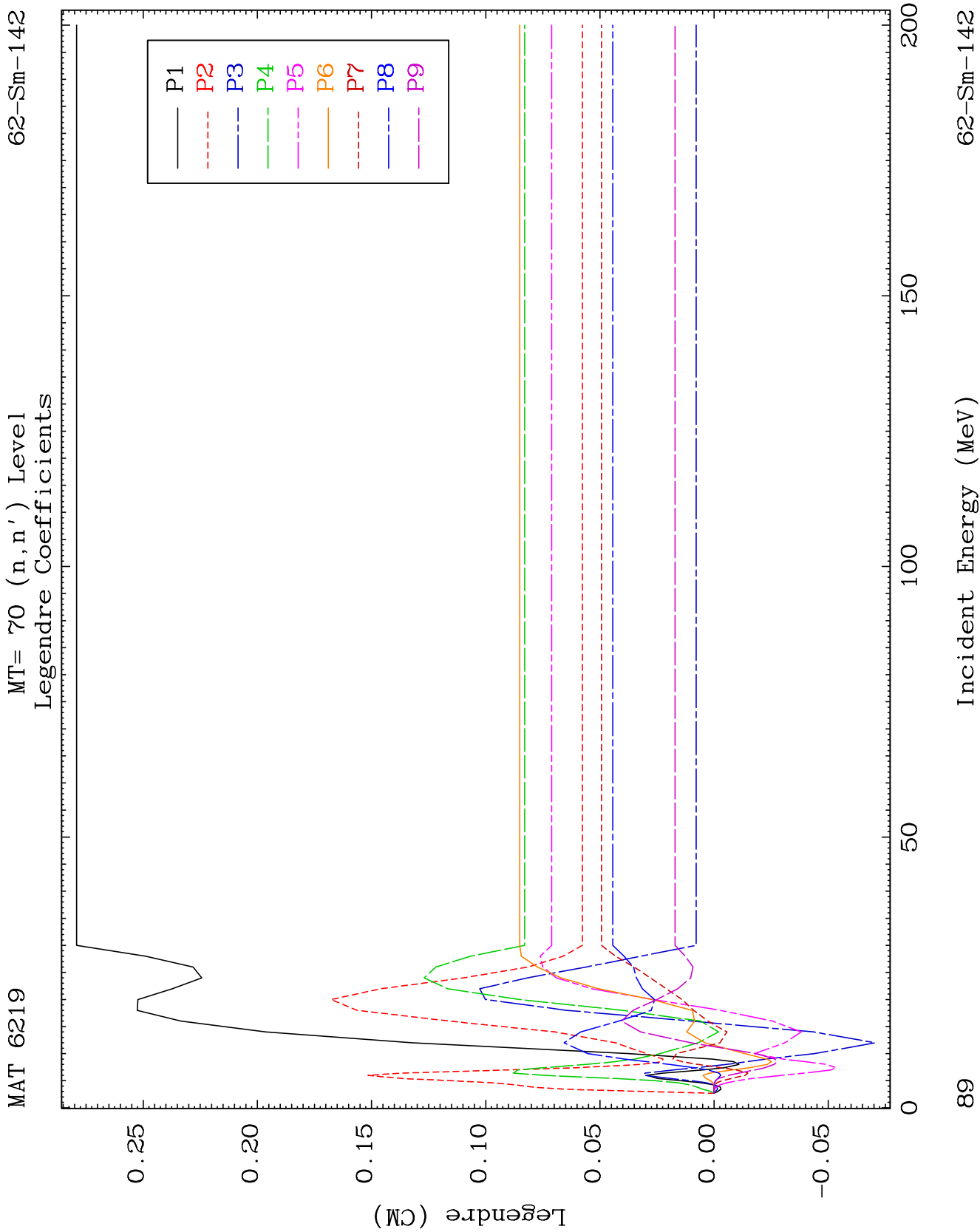


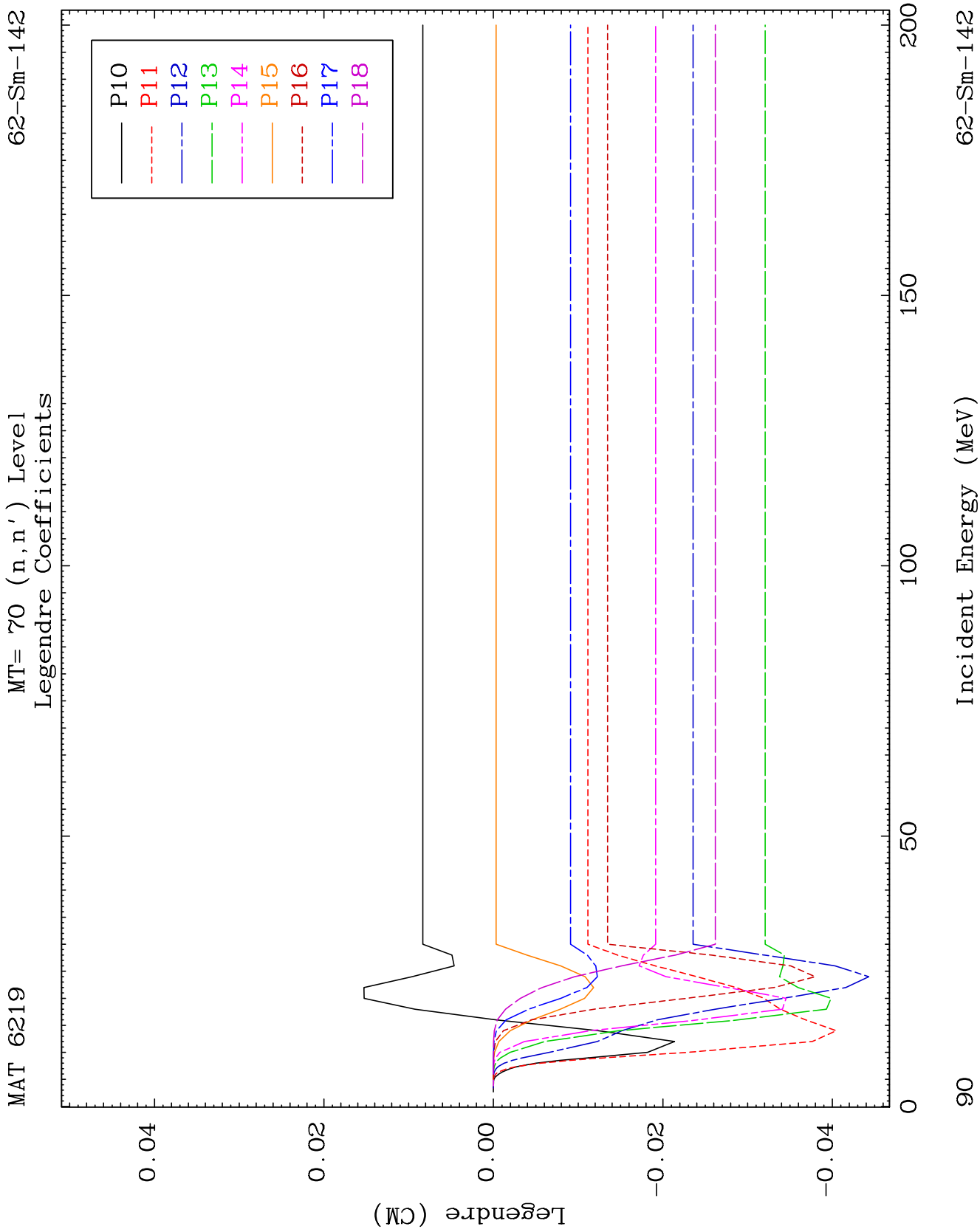
MAT 6219

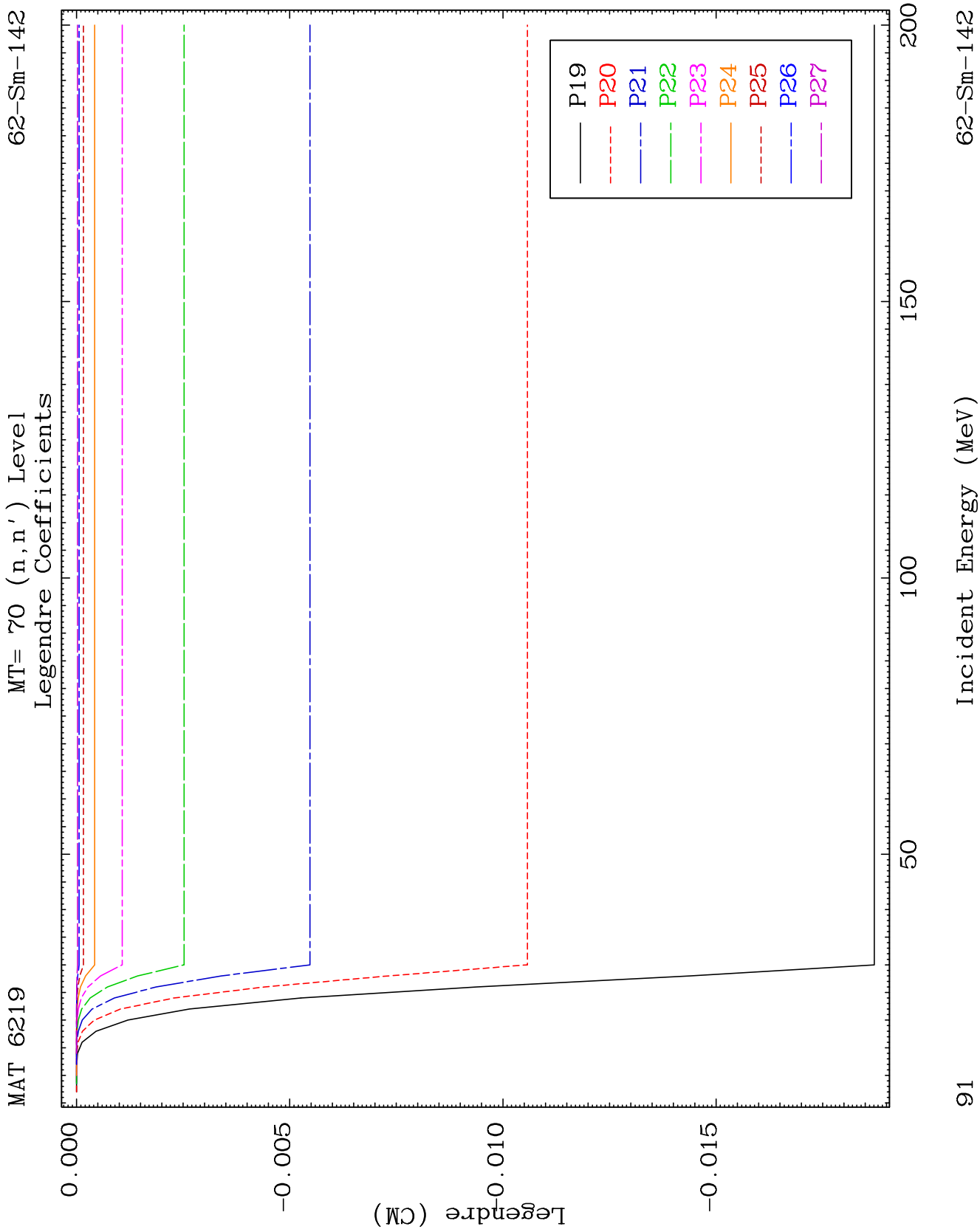
MT= 69 (n, n') Level
Legendre Coefficients

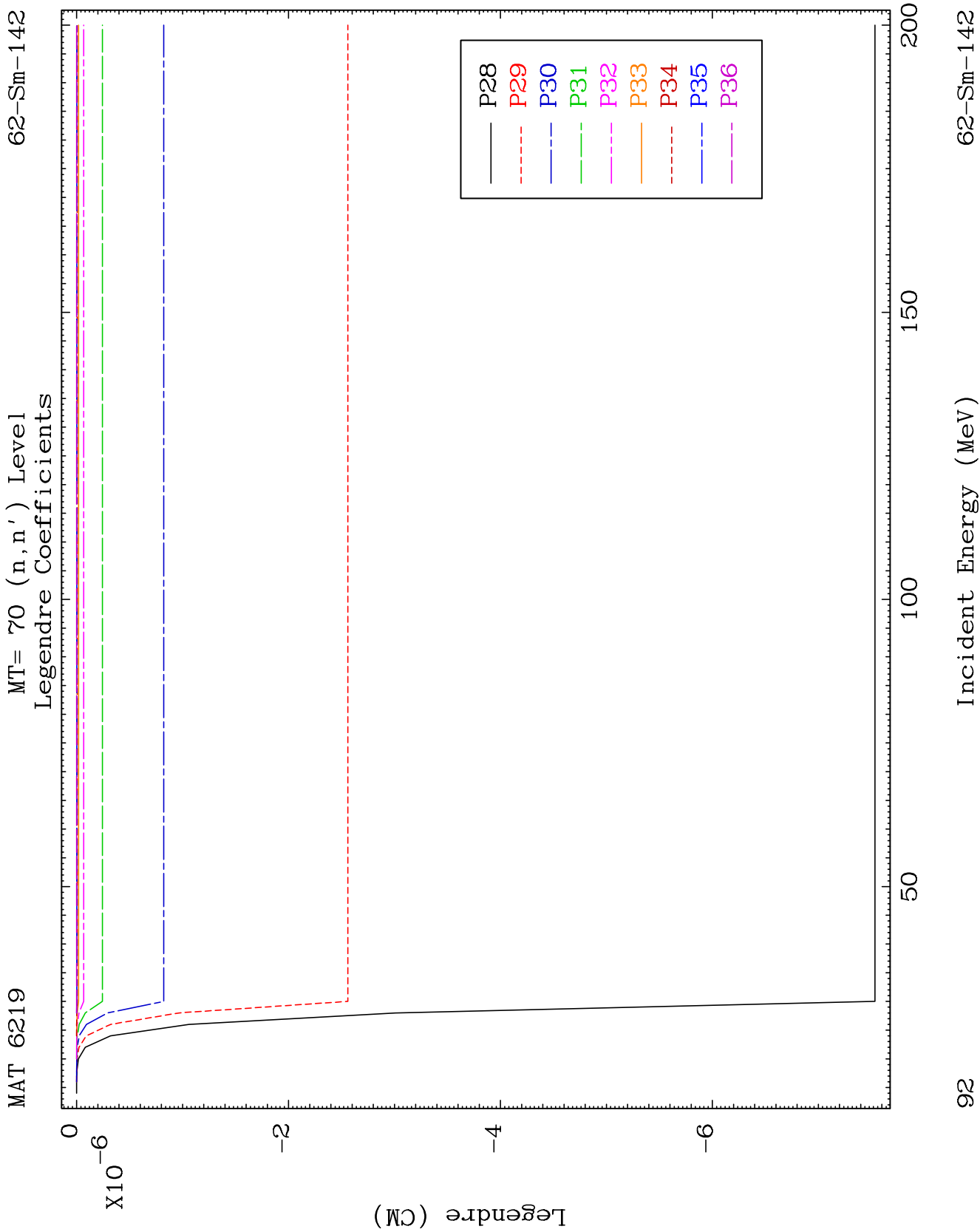
62-Sm-142

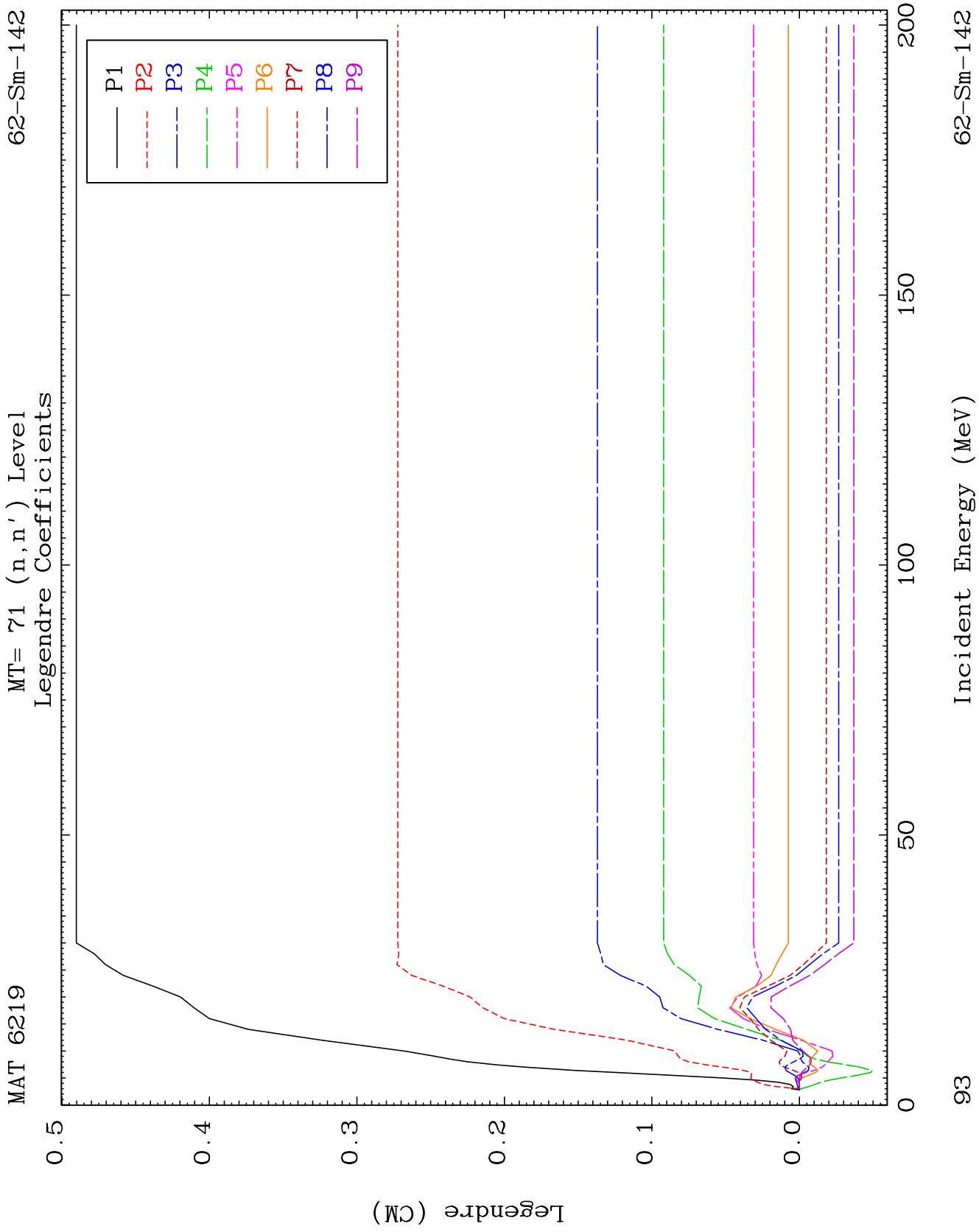


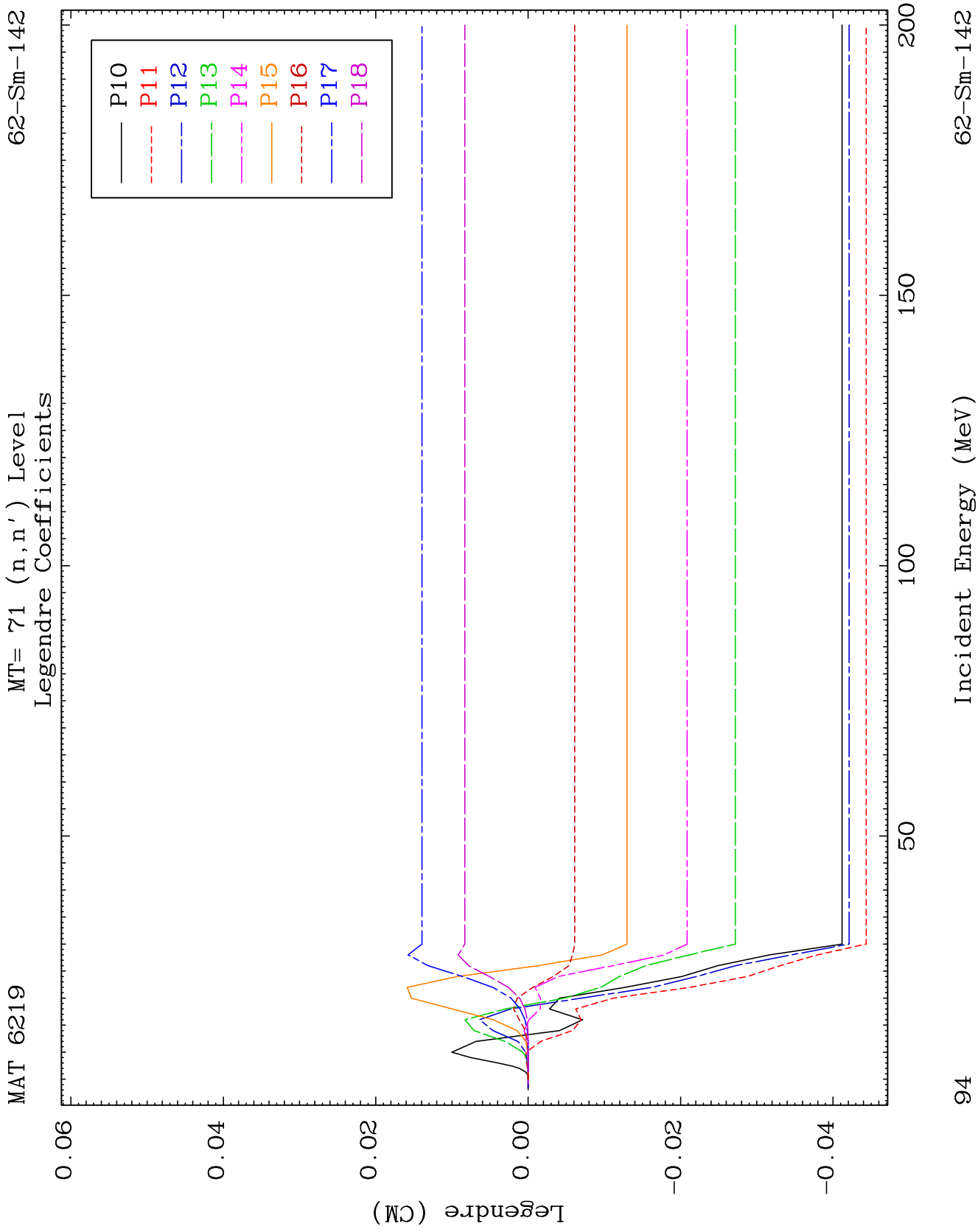








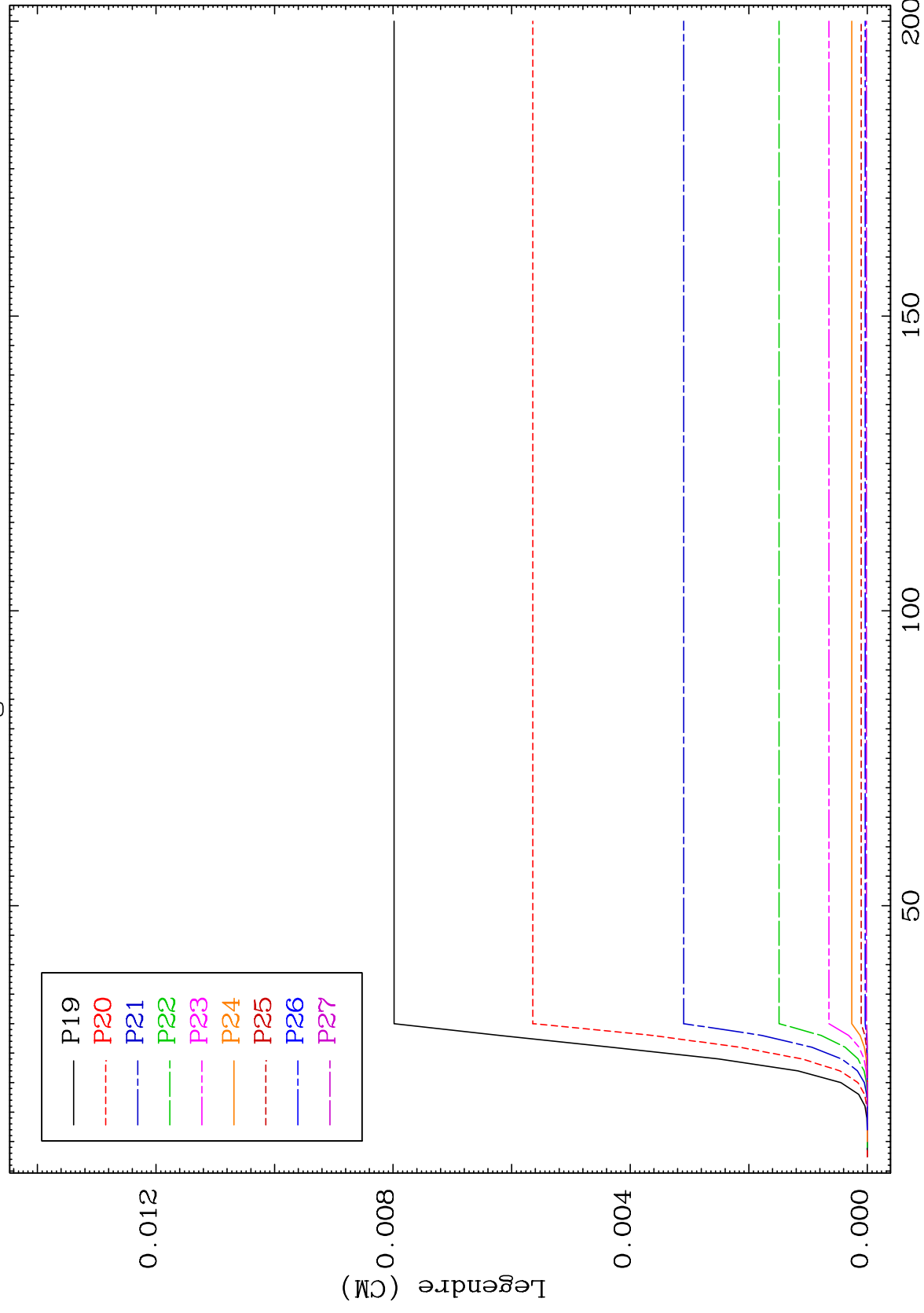




MAT 6219

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

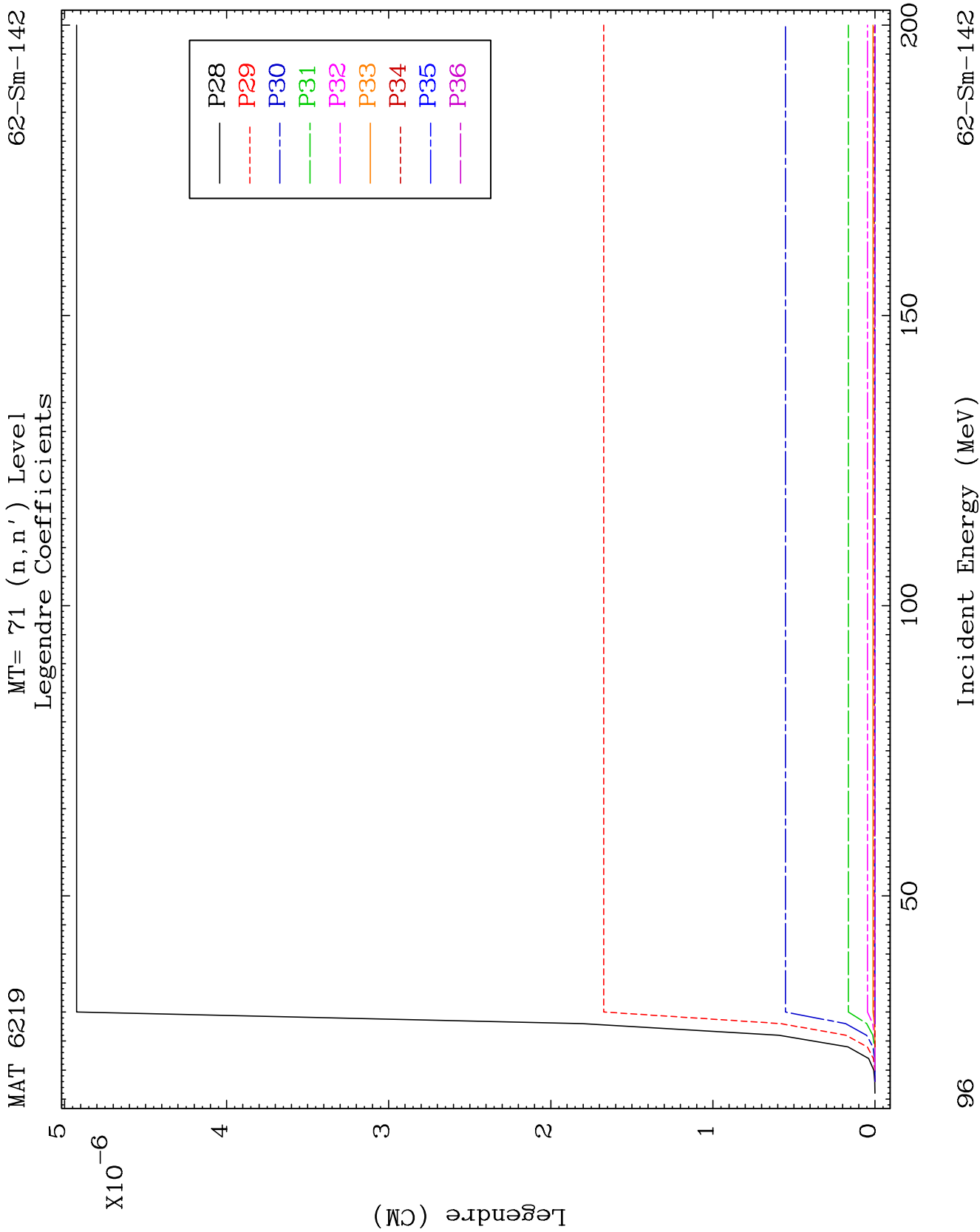
62-Sm-142



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Incident Energy (MeV)

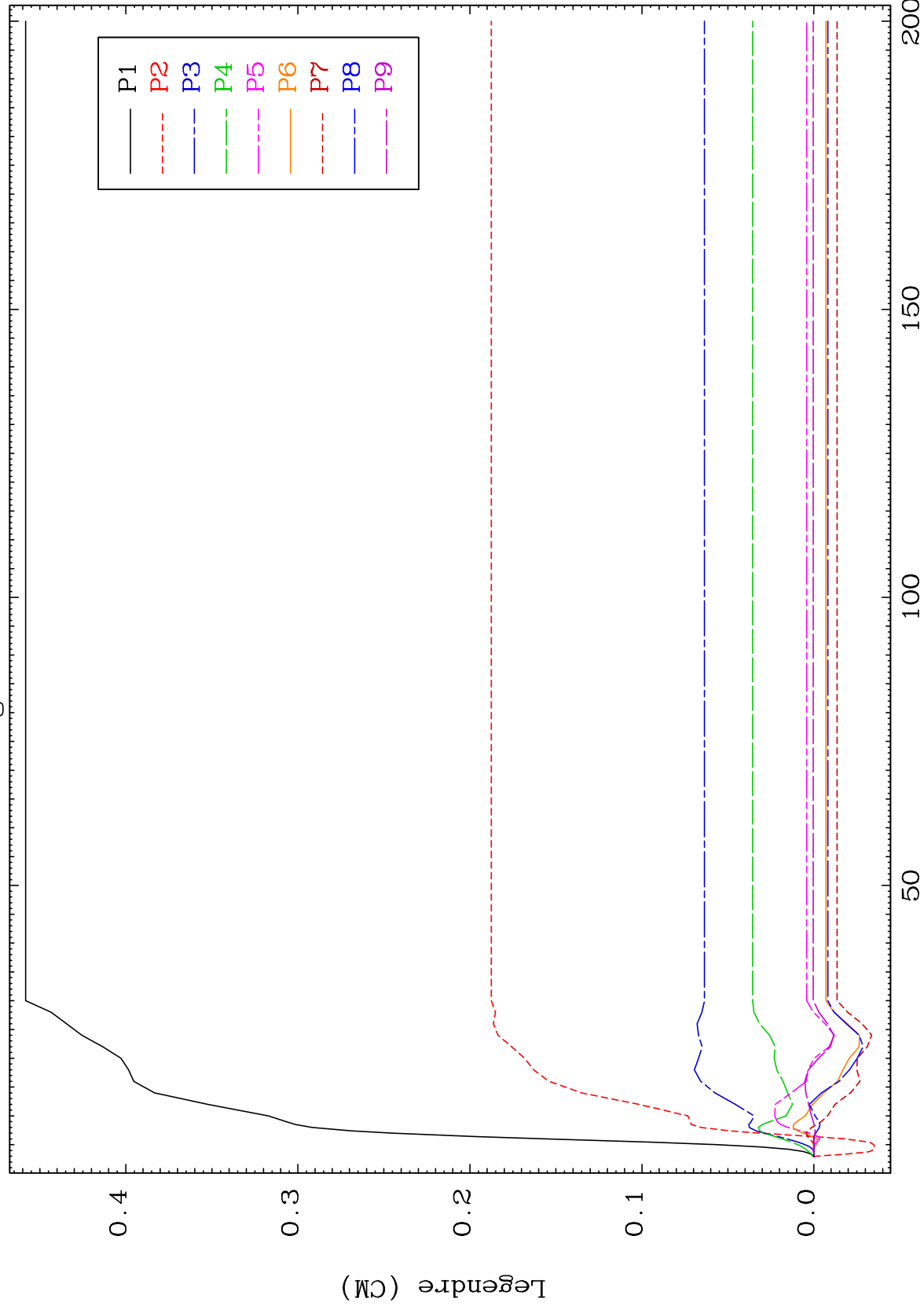
62-Sm-142



MAT 6219

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

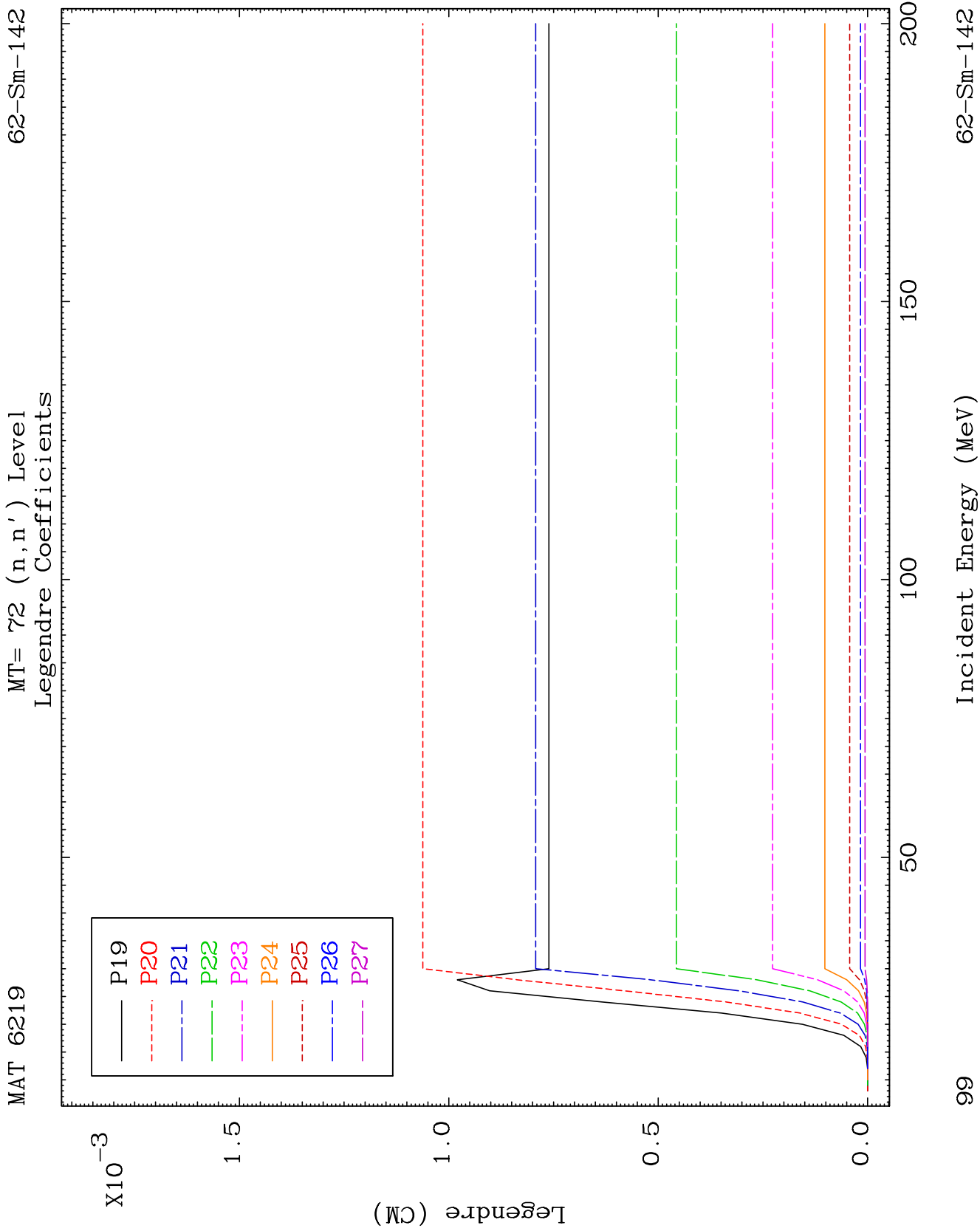
62-Sm-142

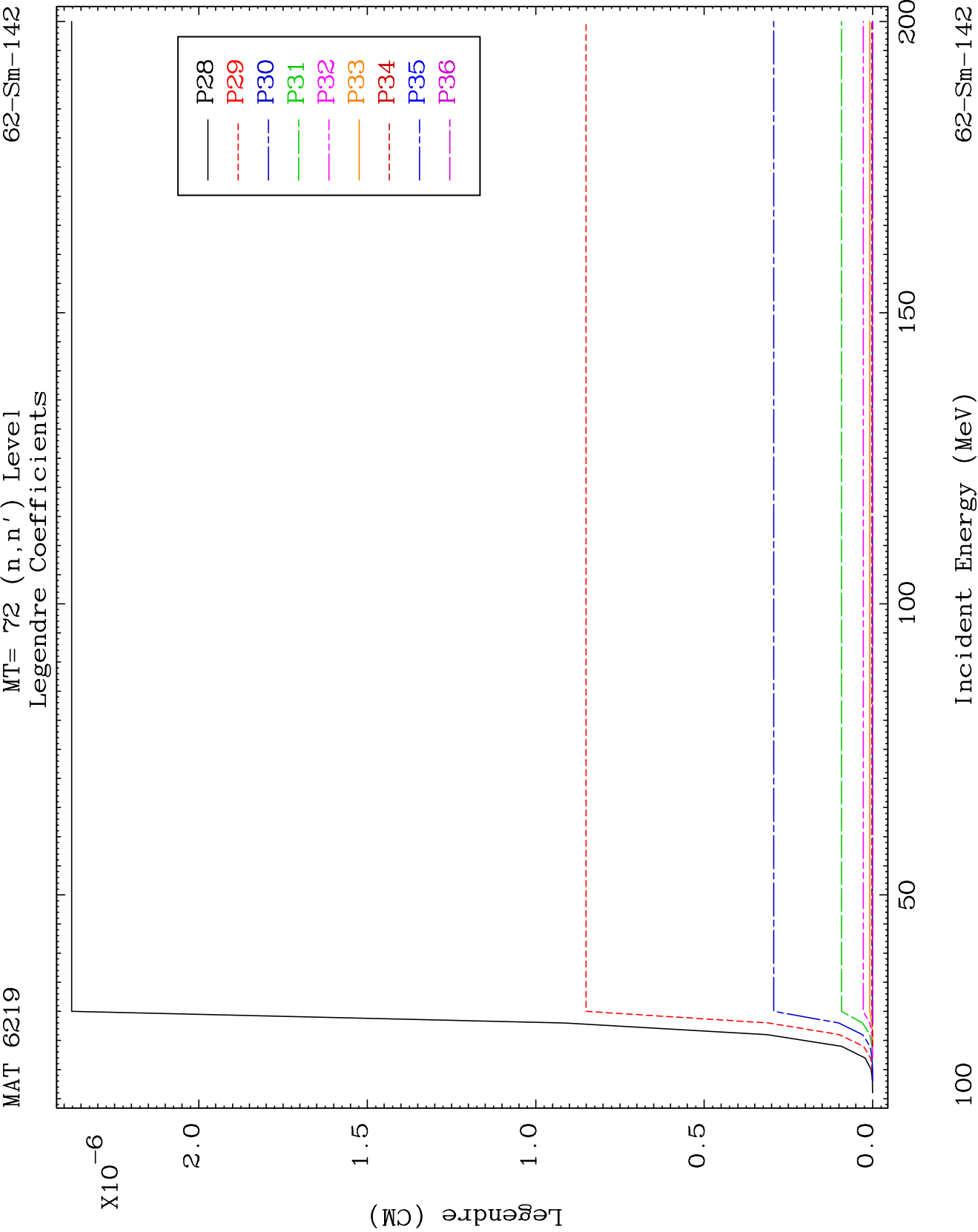


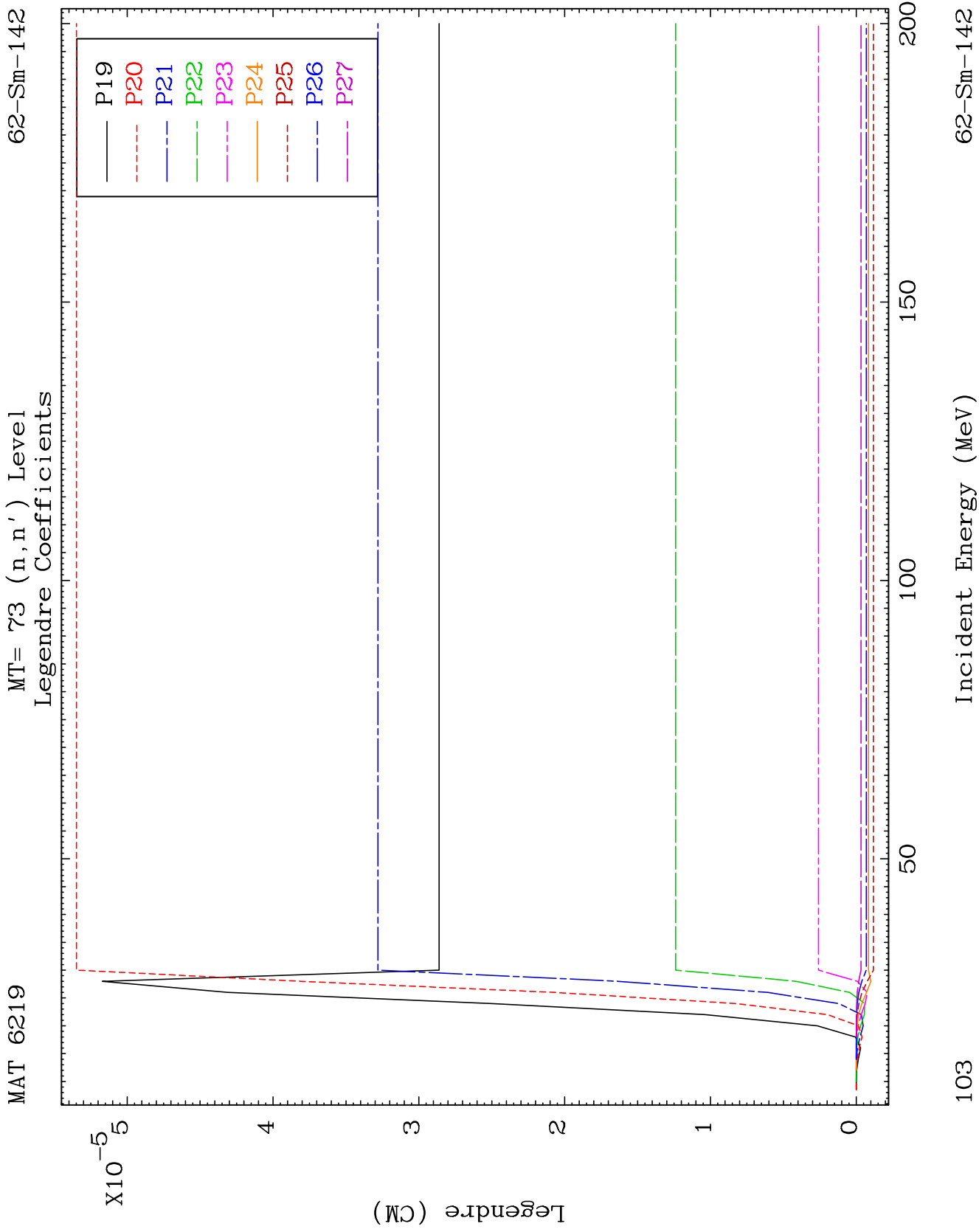
26

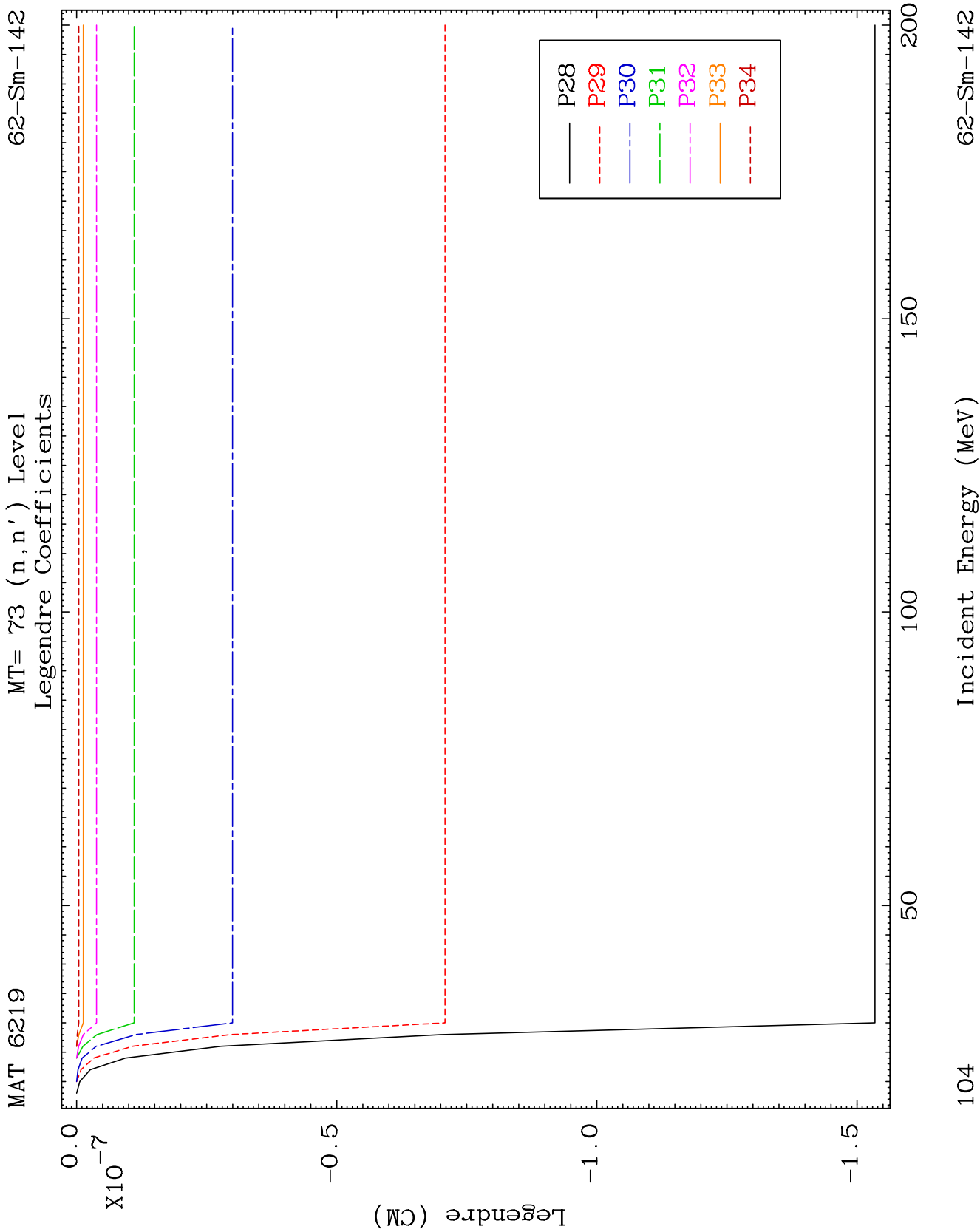
Incident Energy (MeV)

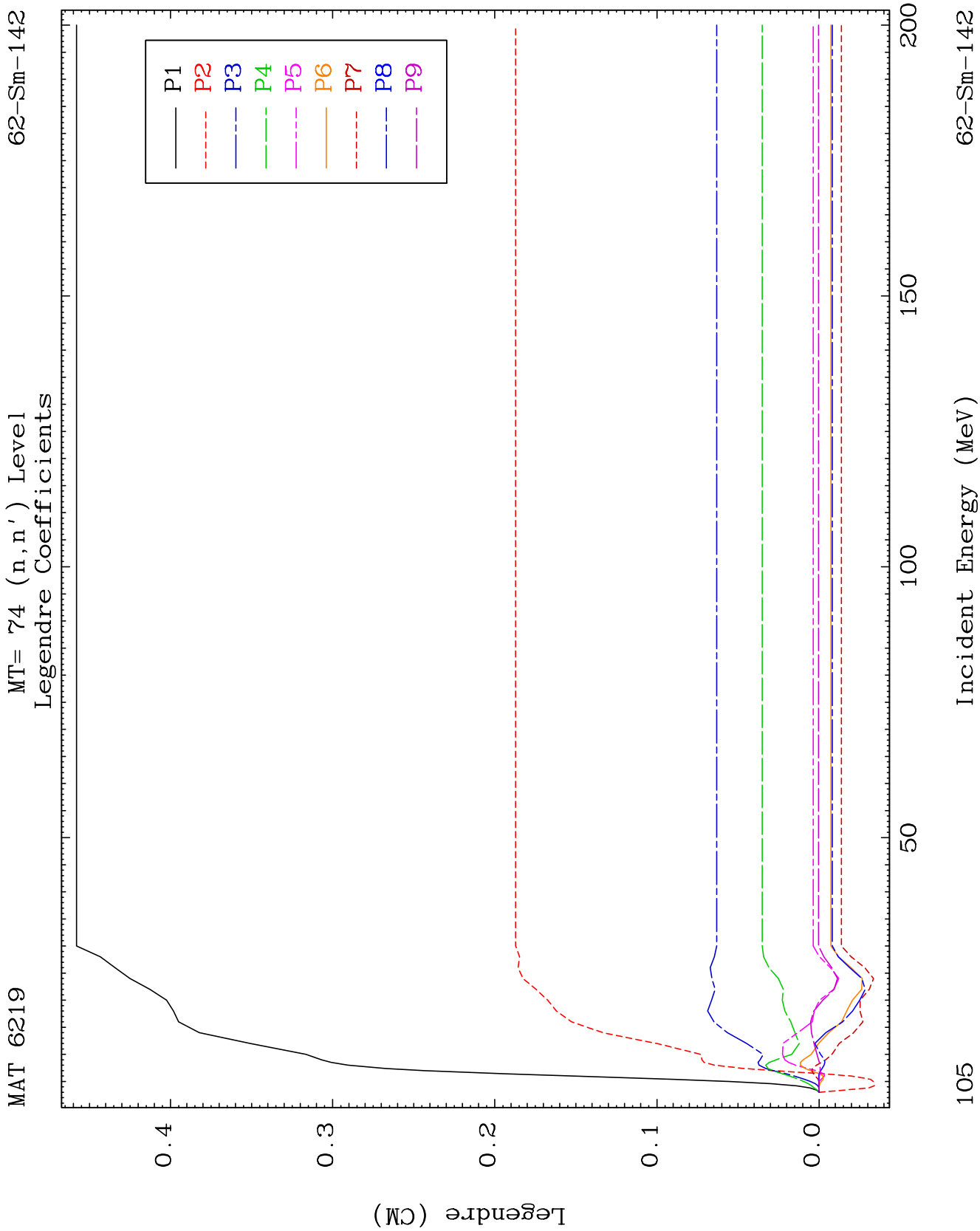
62-Sm-142







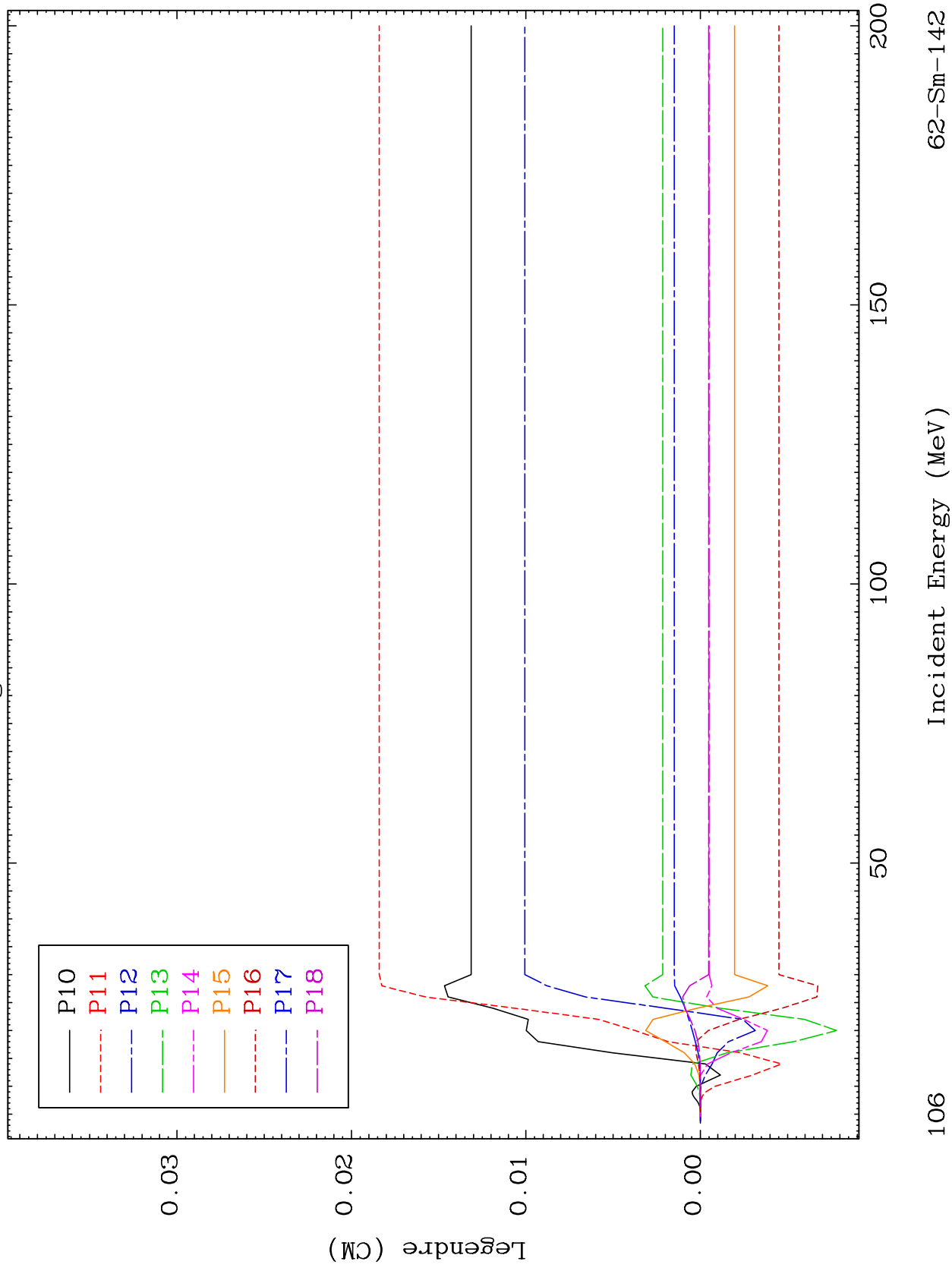




MAT 6219

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

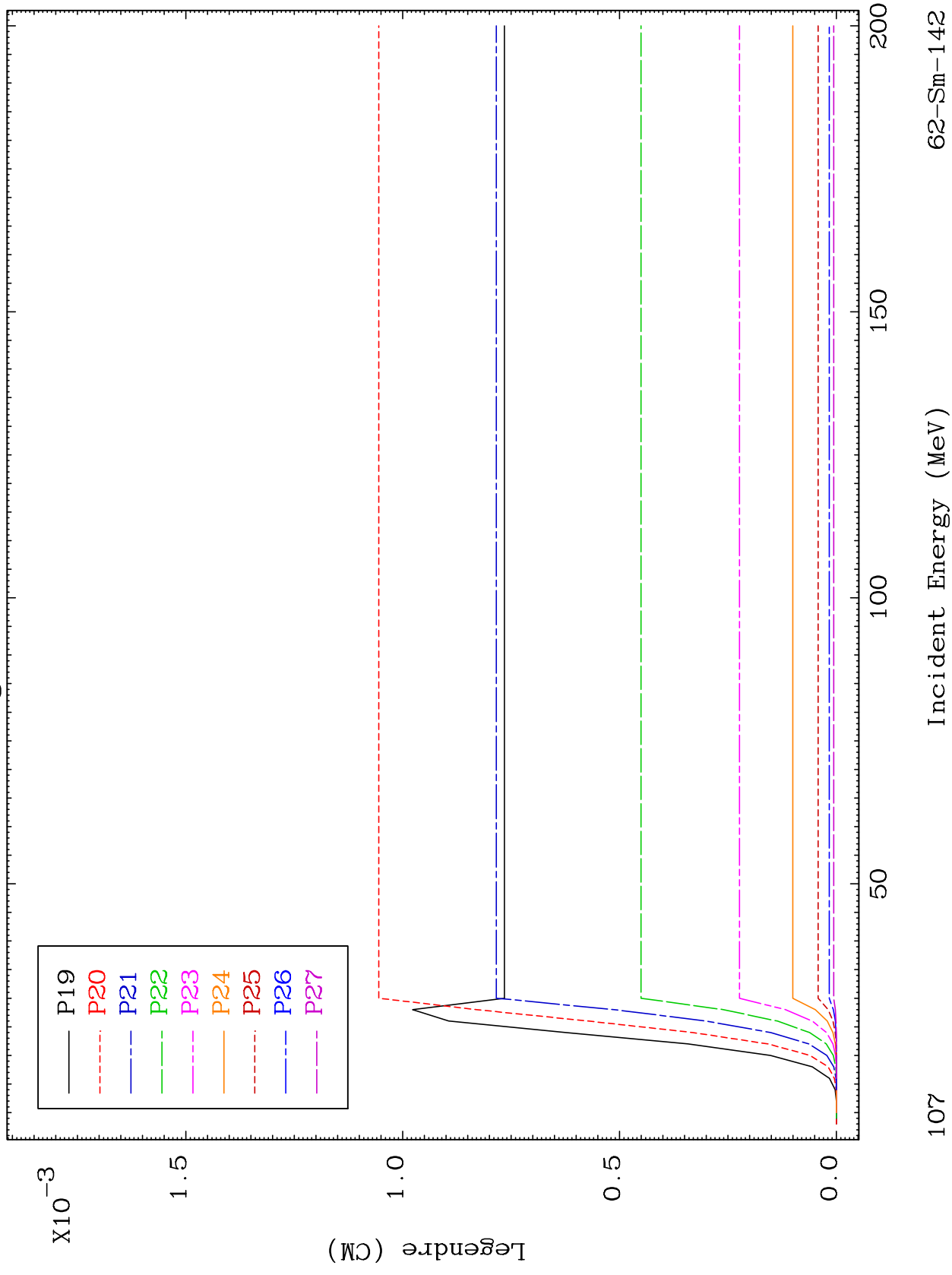
62-Sm-142

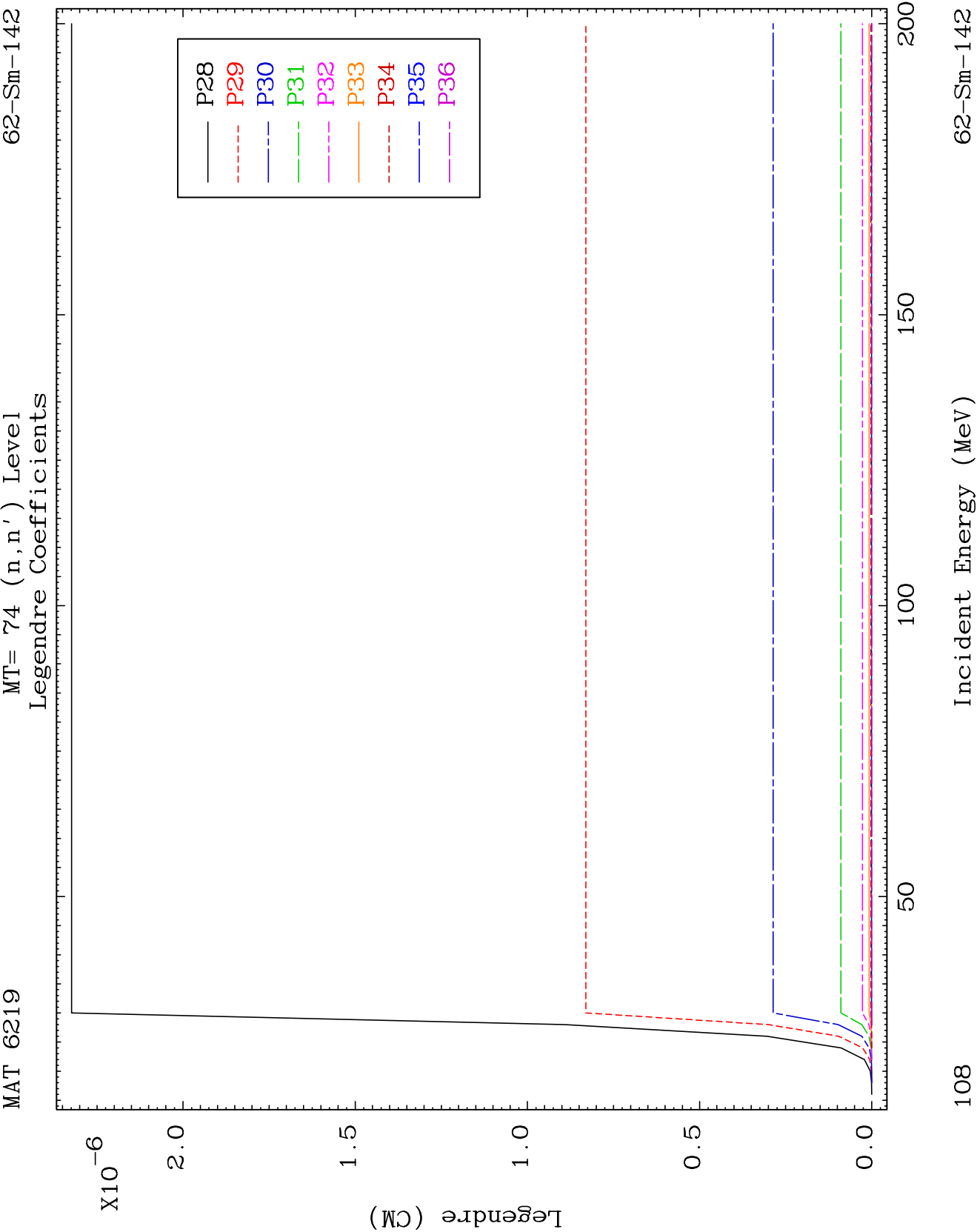


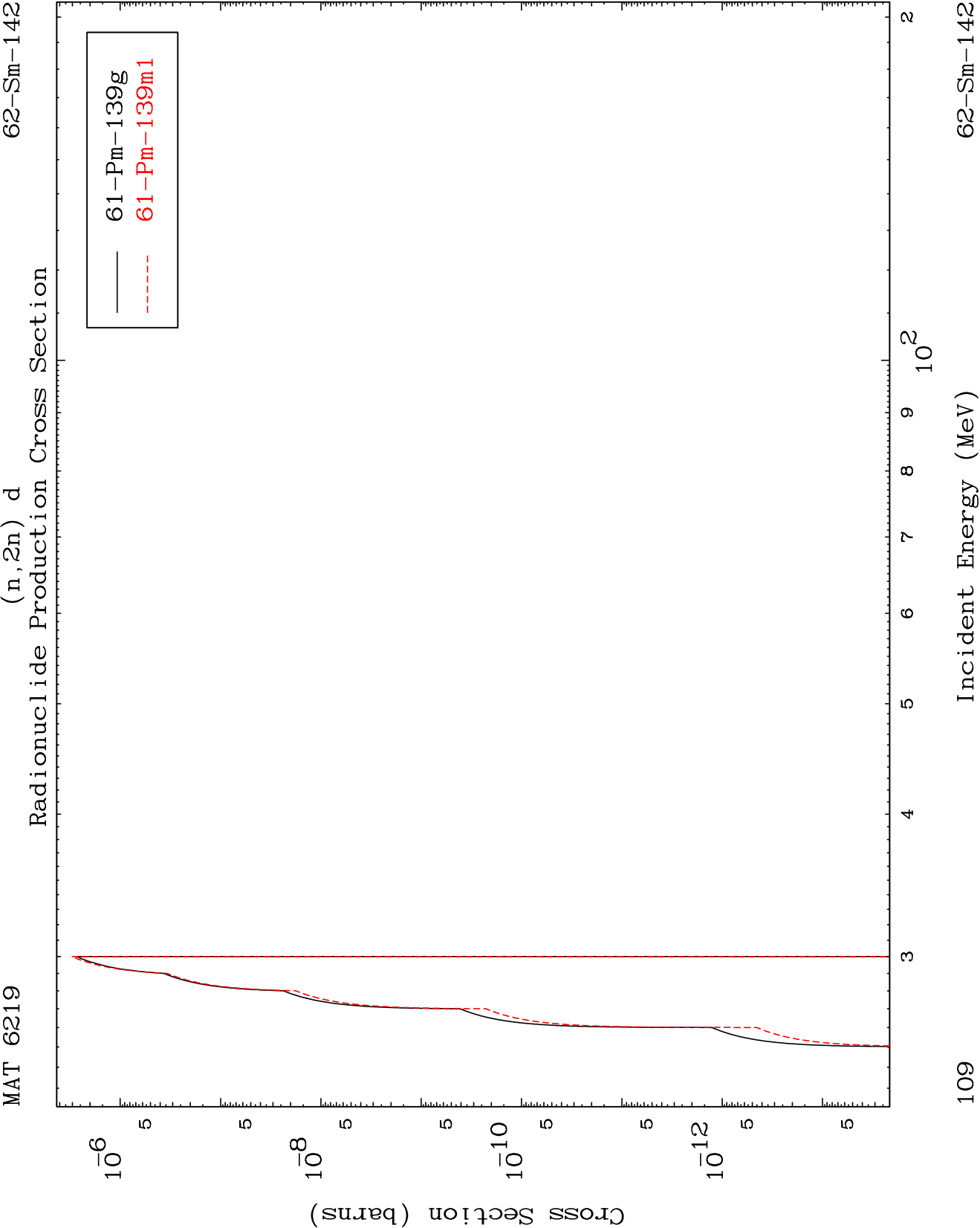
MAT 6219

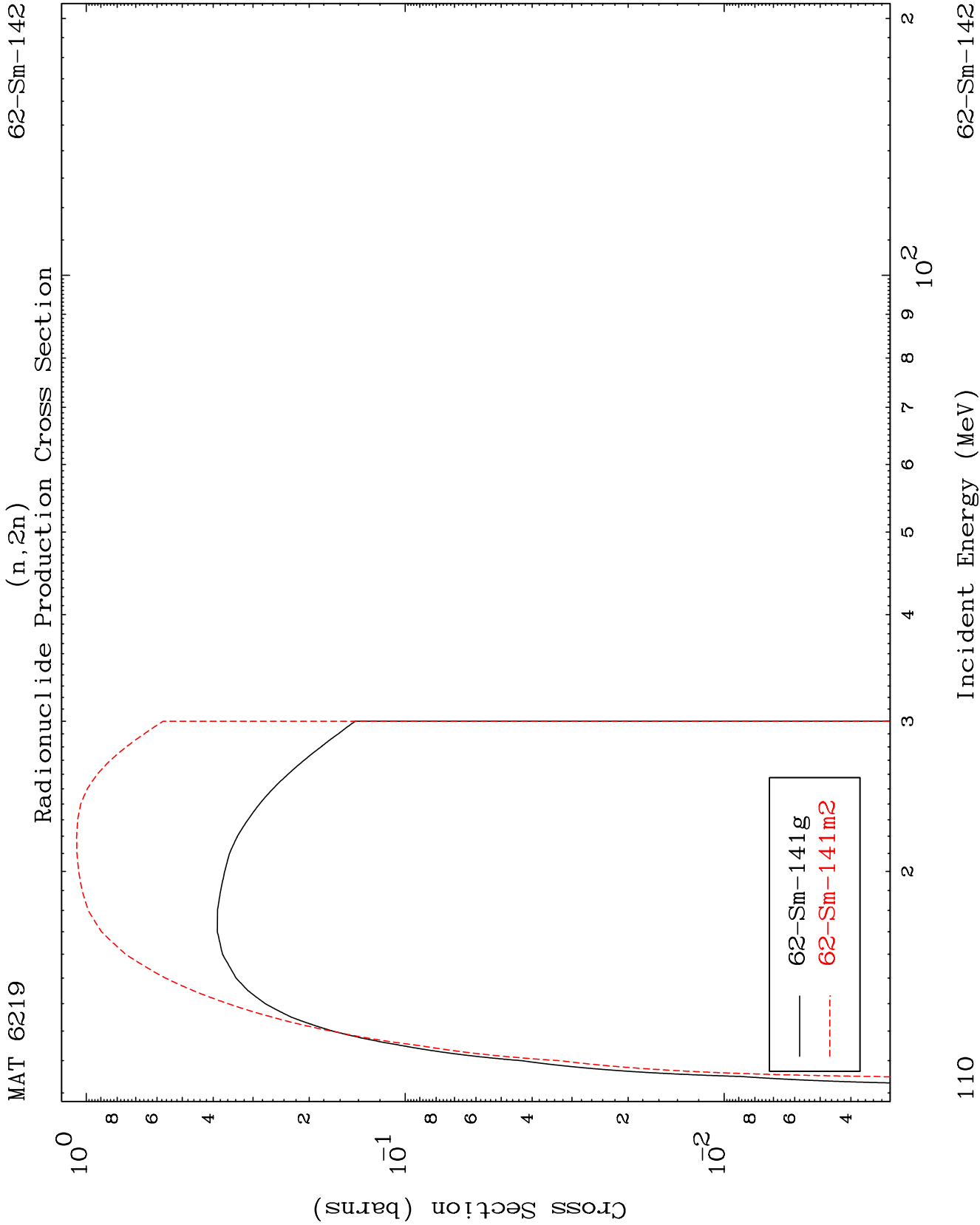
MT= 74 (n, n') Level
Legendre Coefficients

62-Sm-142







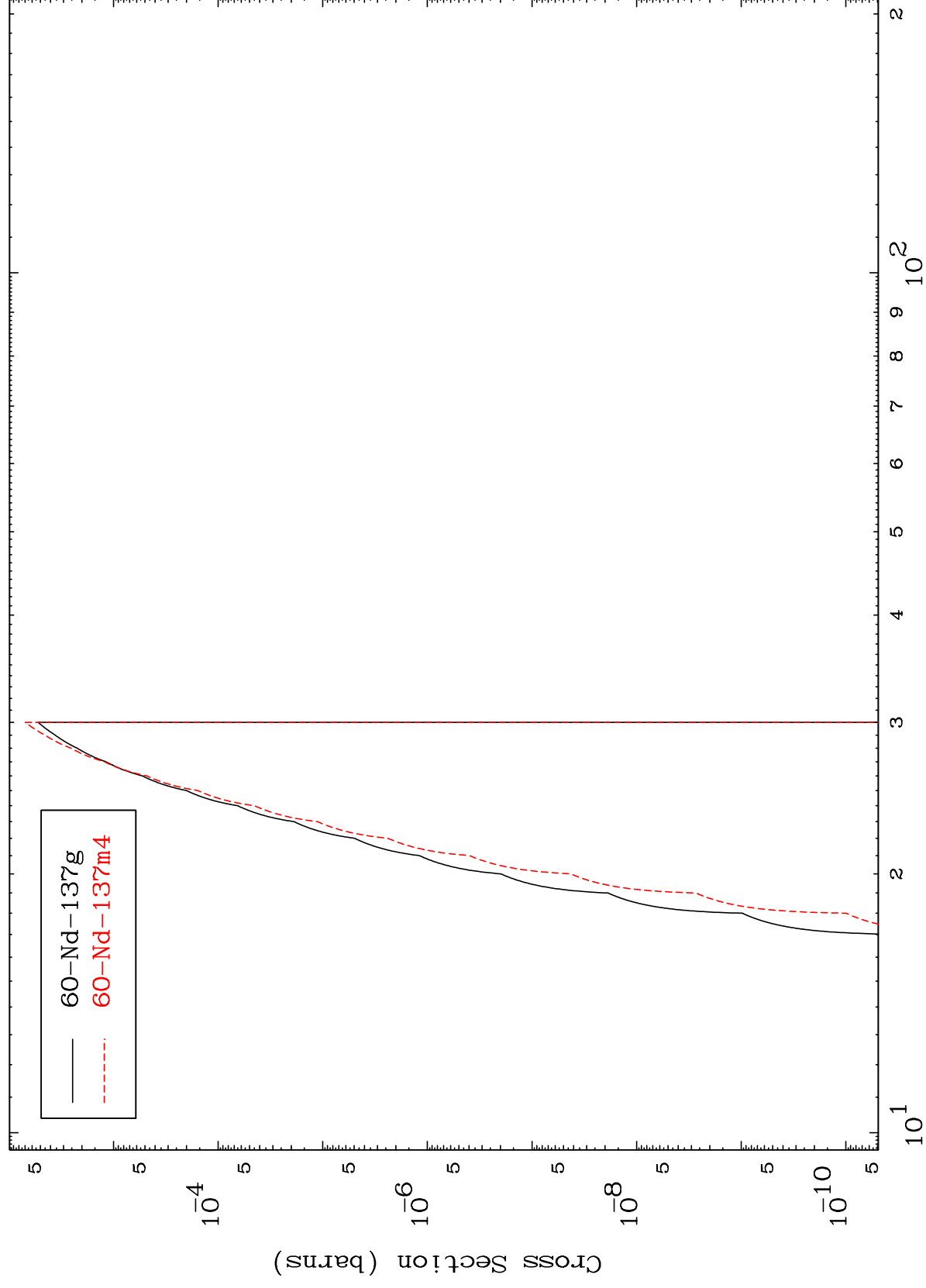


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$$(n, 2n) \propto$$

Radionuclide Production Cross Section



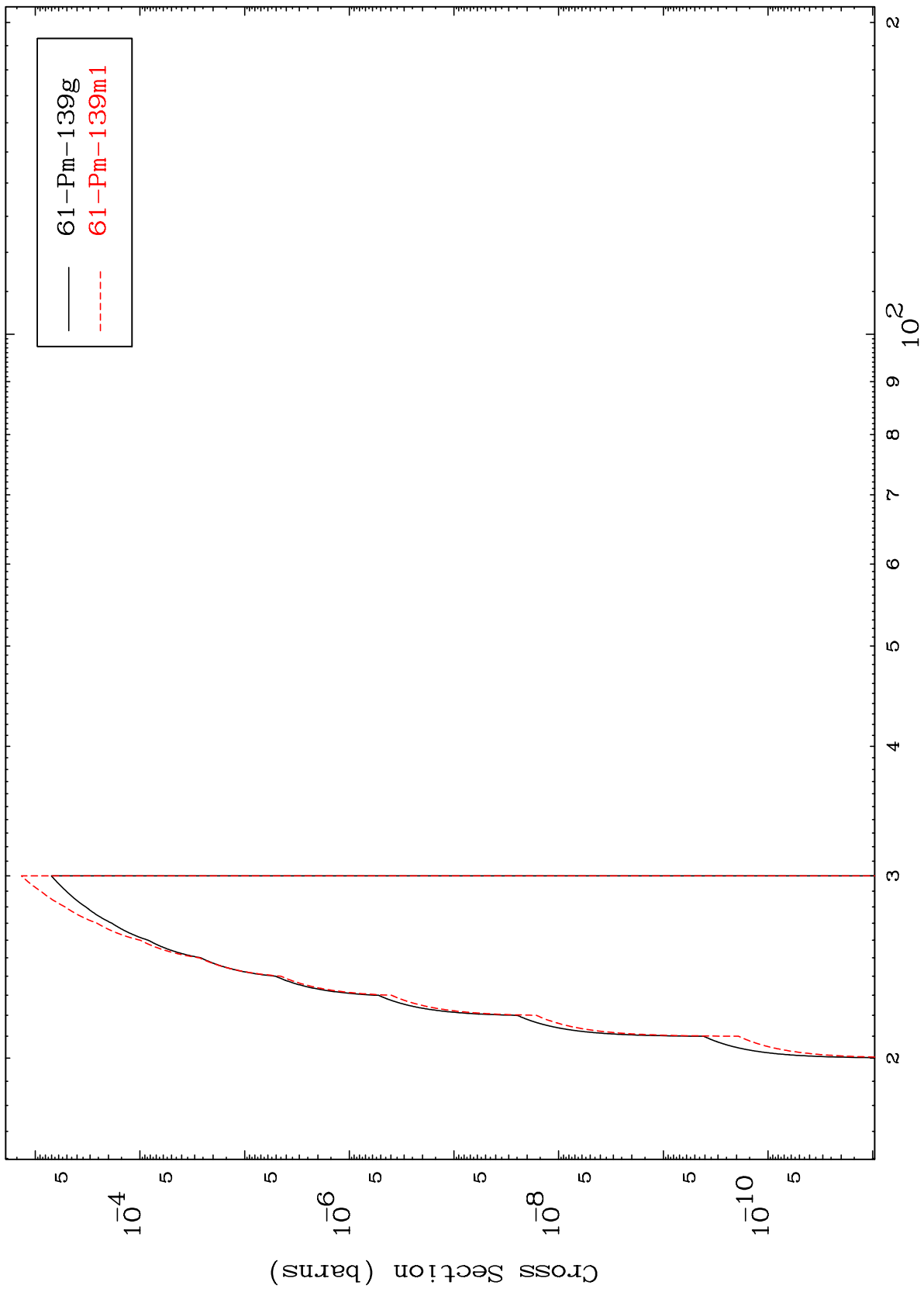
62-Sm-142

Incident Energy (MeV)

MAT 6219

62-Sm-142

(n,n') t
Radionuclide Production Cross Section

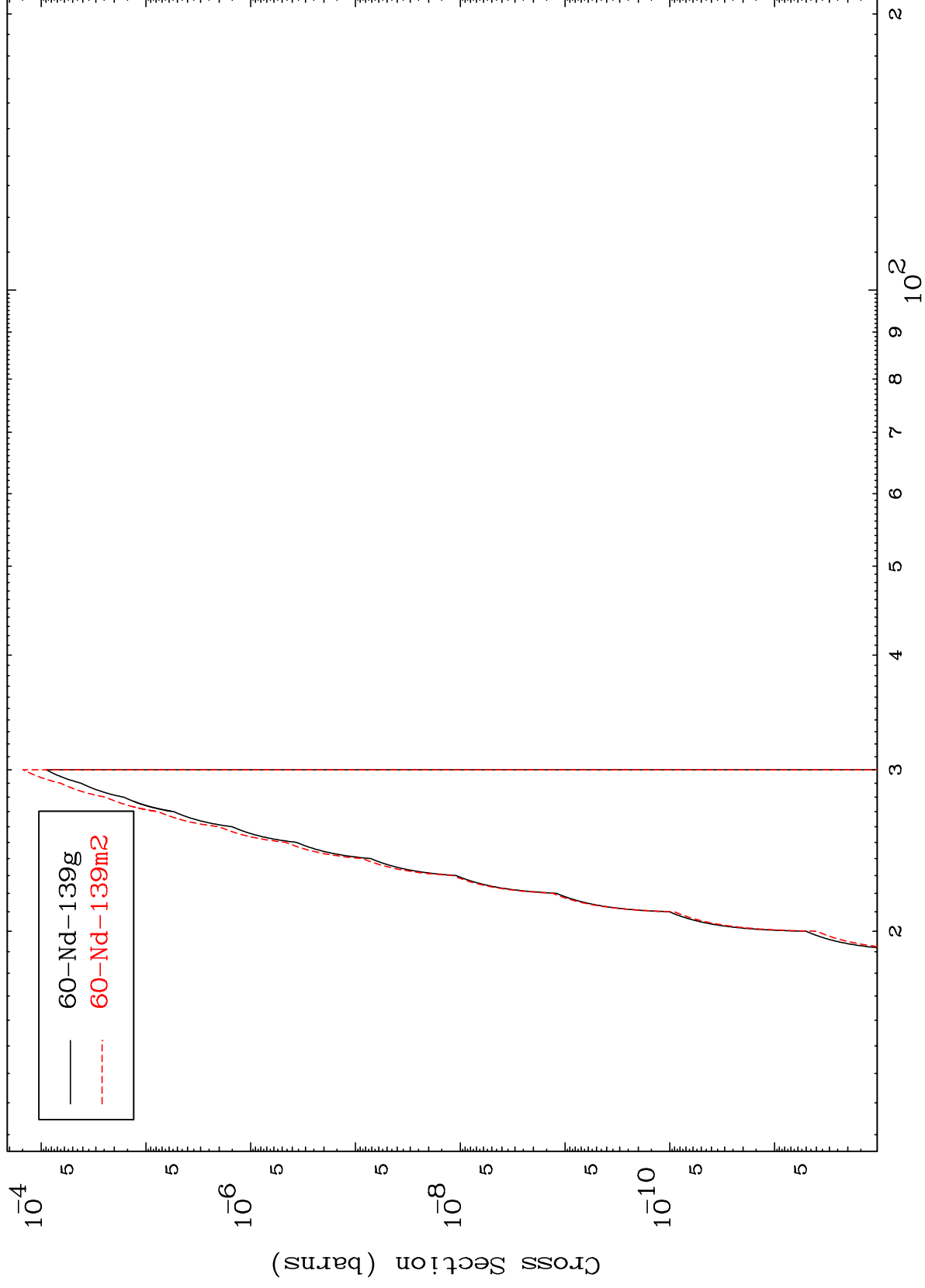


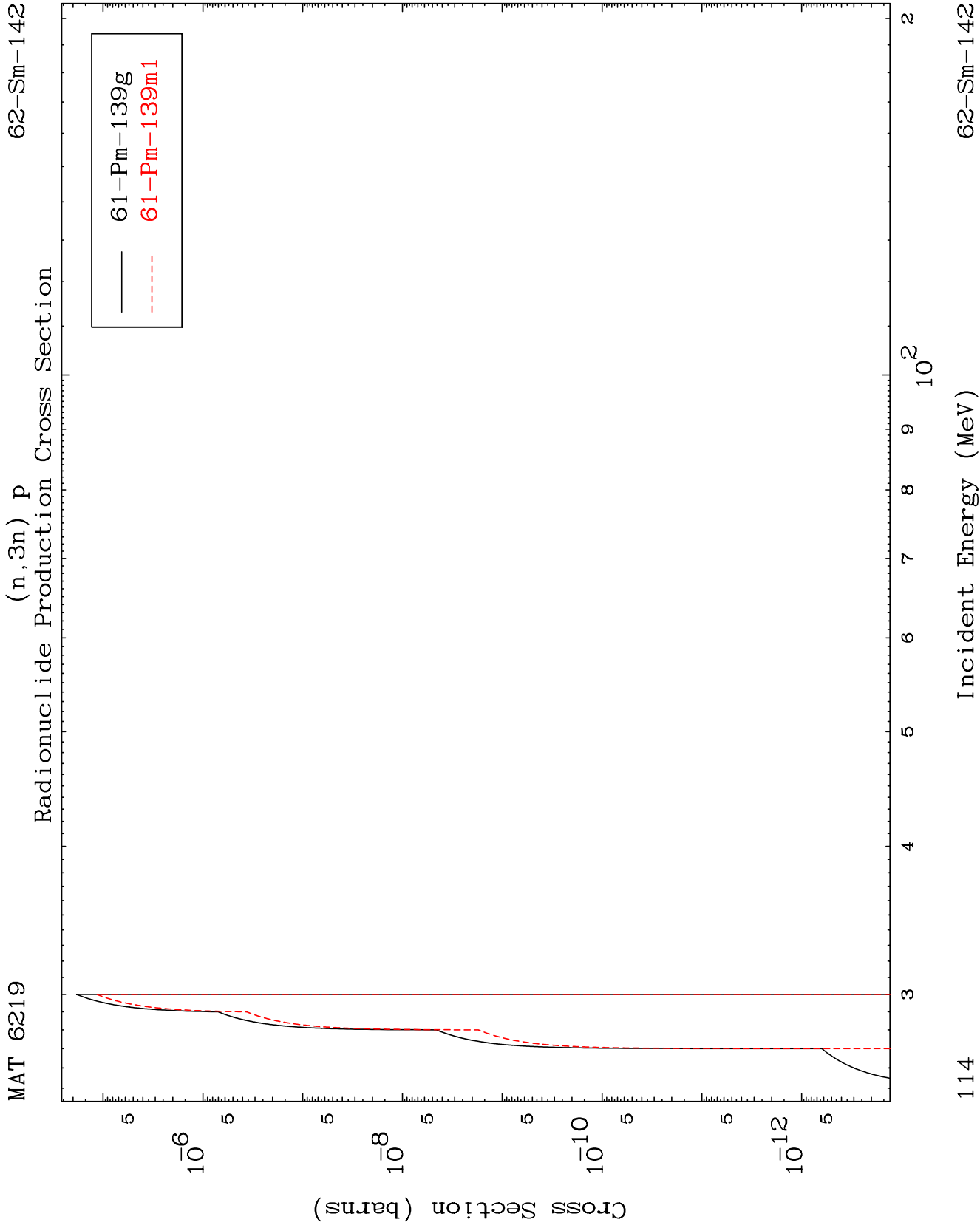
112

Incident Energy (MeV)

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Radionuclide Production Cross Section

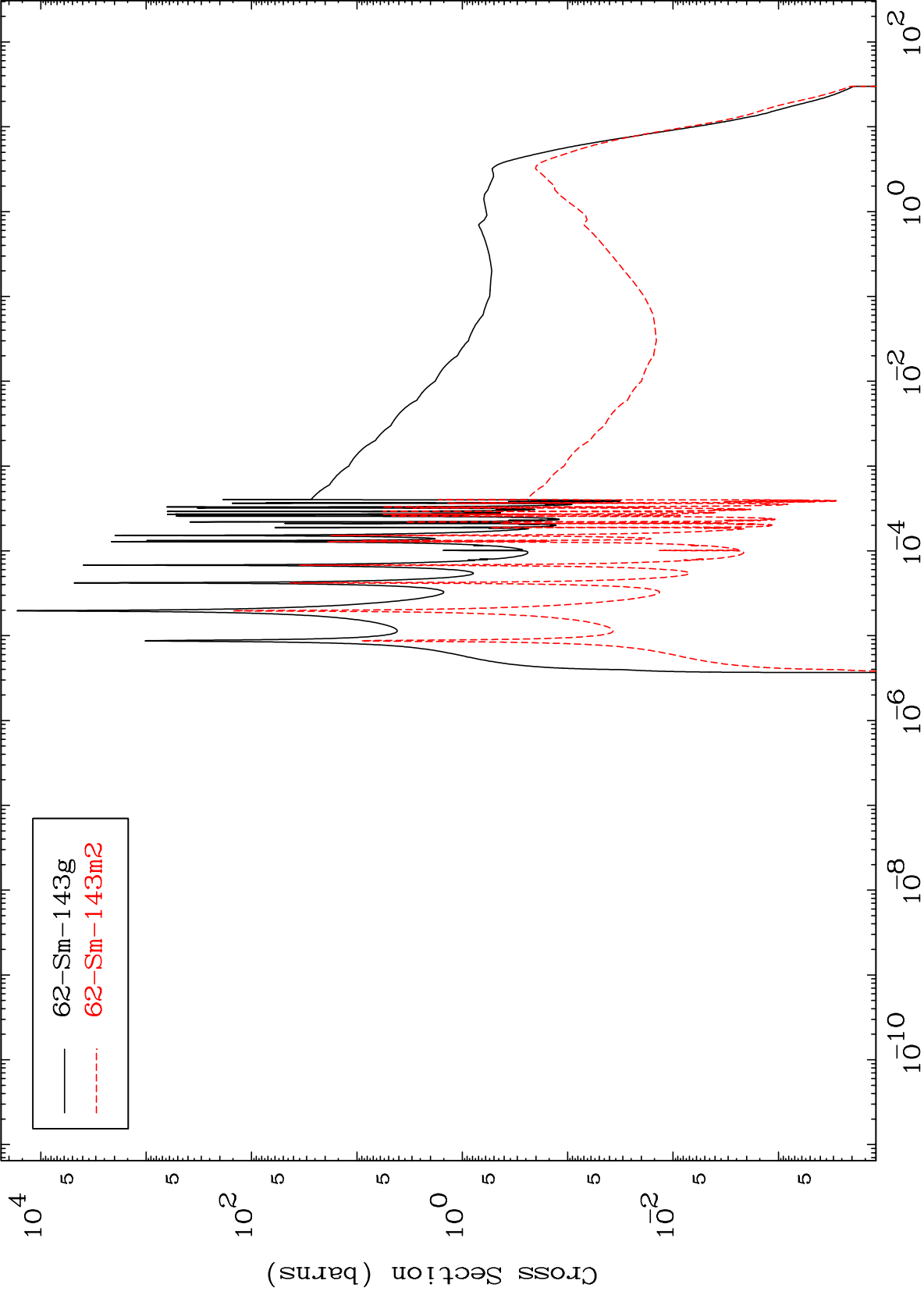




MAT 6219

62-Sm-142

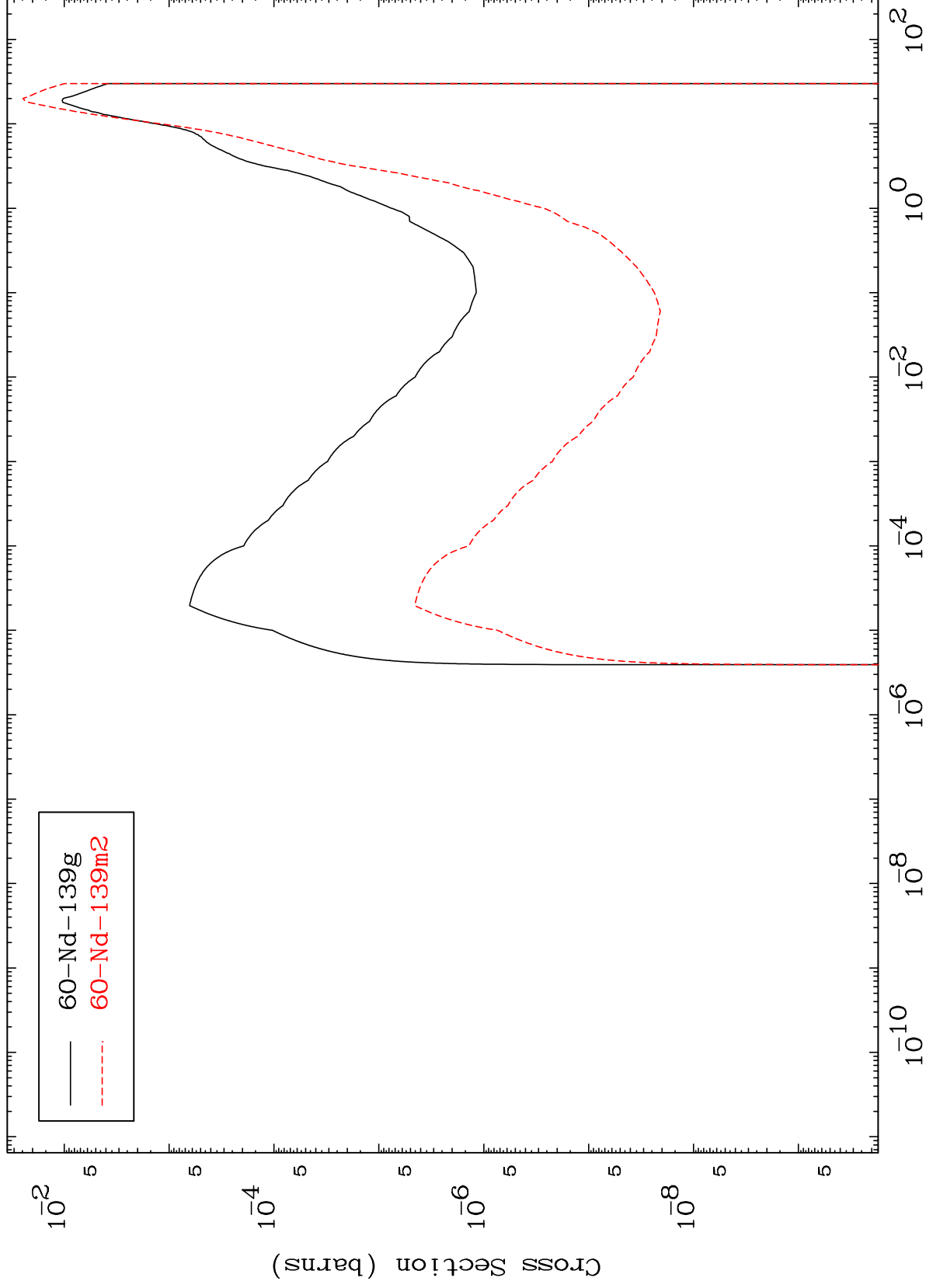
Radionuclide Production Cross Section



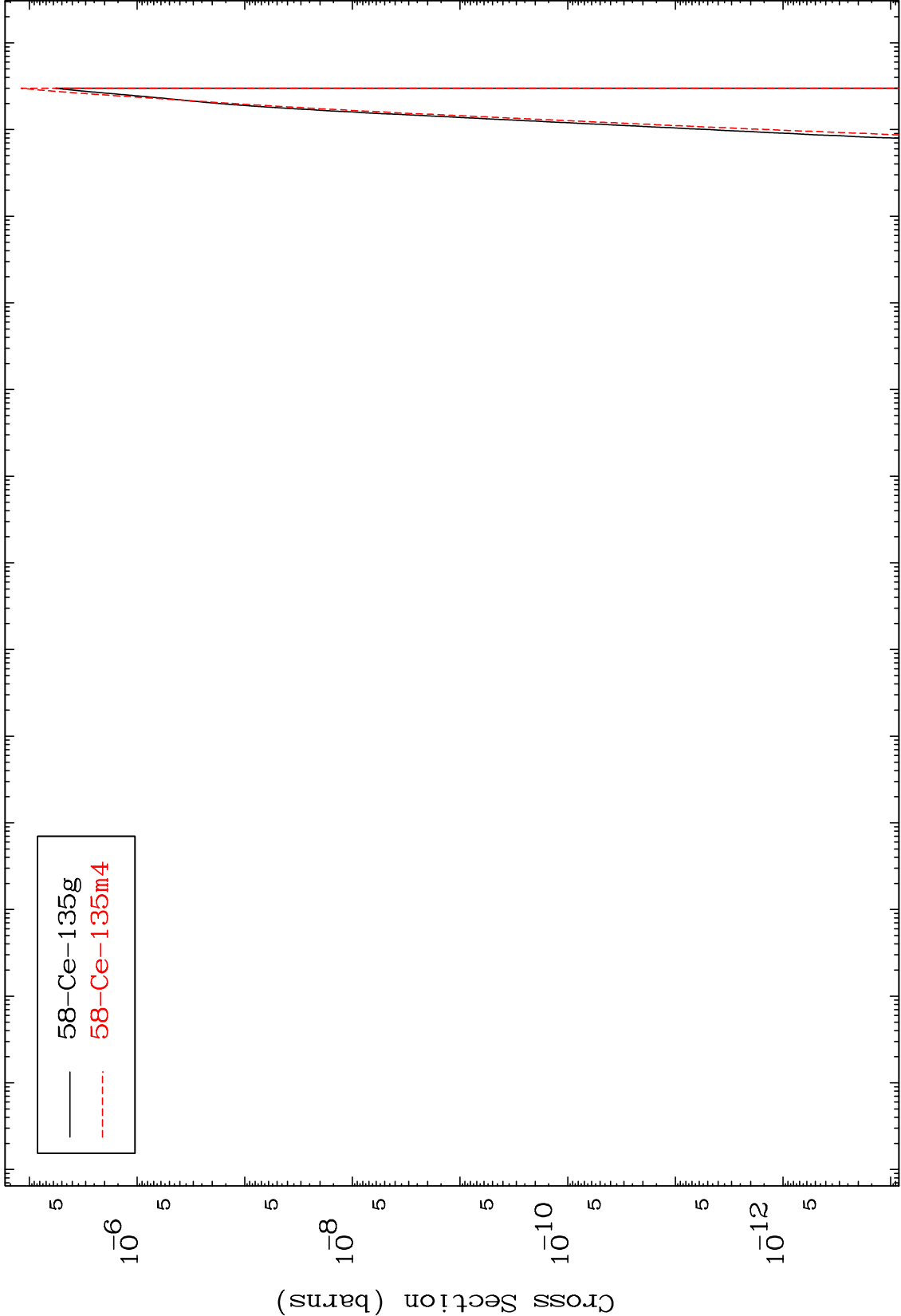
115

62-Sm-142

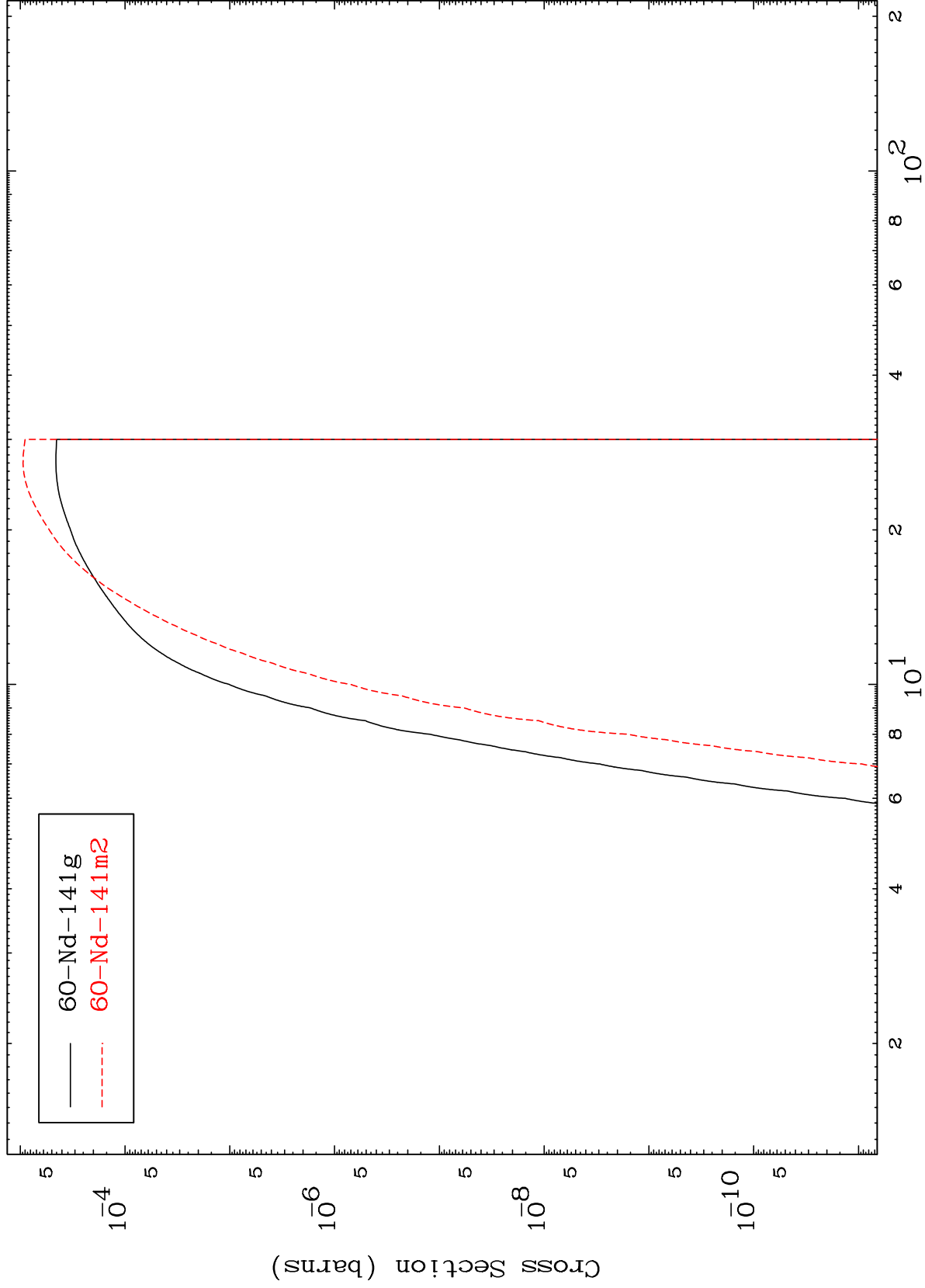
Radionuclide Production Cross Section
(n, α)



(n,2α)
Radionuclide Production Cross Section



(n,2p)
Radionuclide Production Cross Section



MAT 6219

(n,p) α

62-Sm-142

Radionuclide Production Cross Section

