

Program EVALPLOT
(Version 2015-2)

by

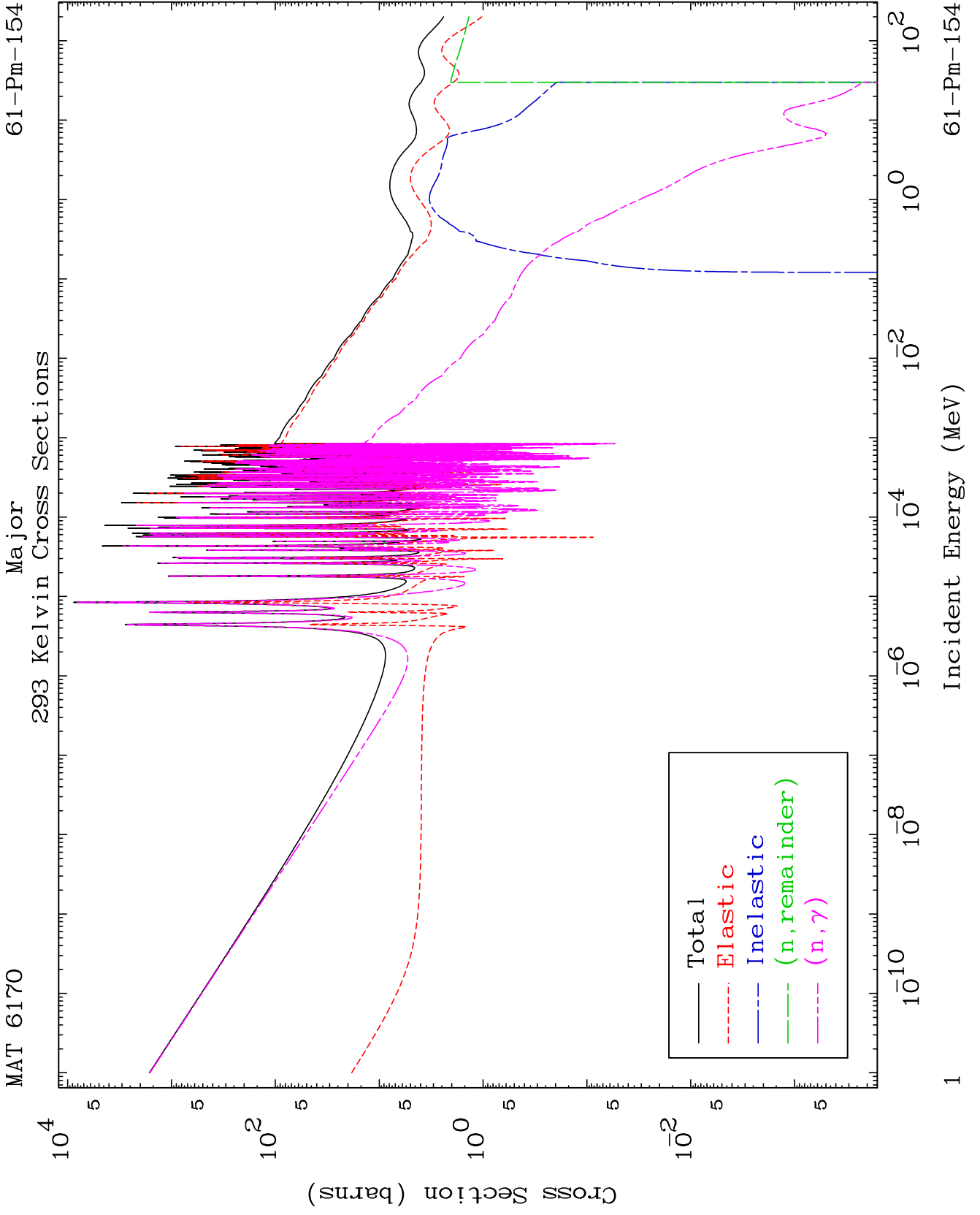
Dermott E. Cullen
(Present Contact Information)

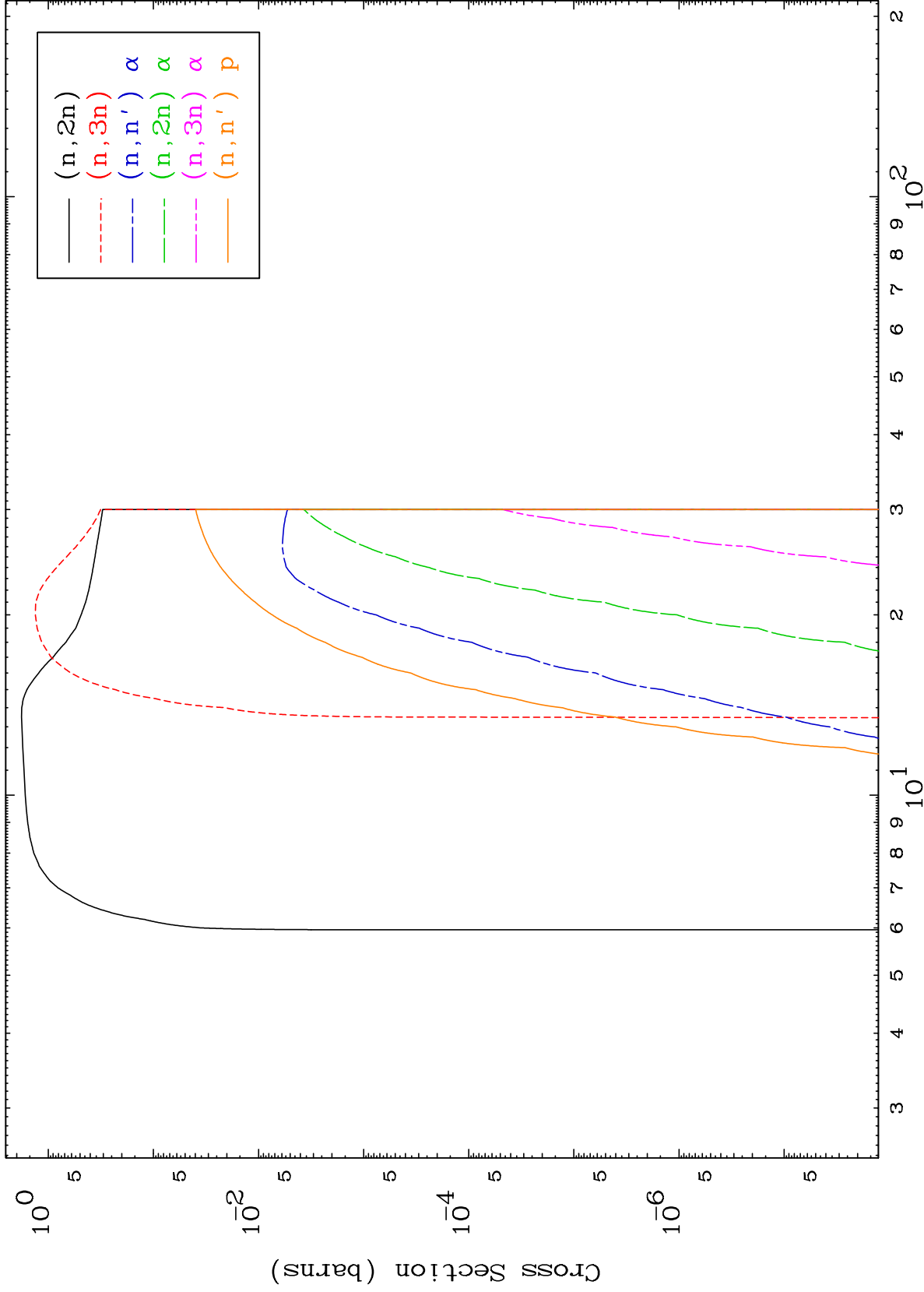
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

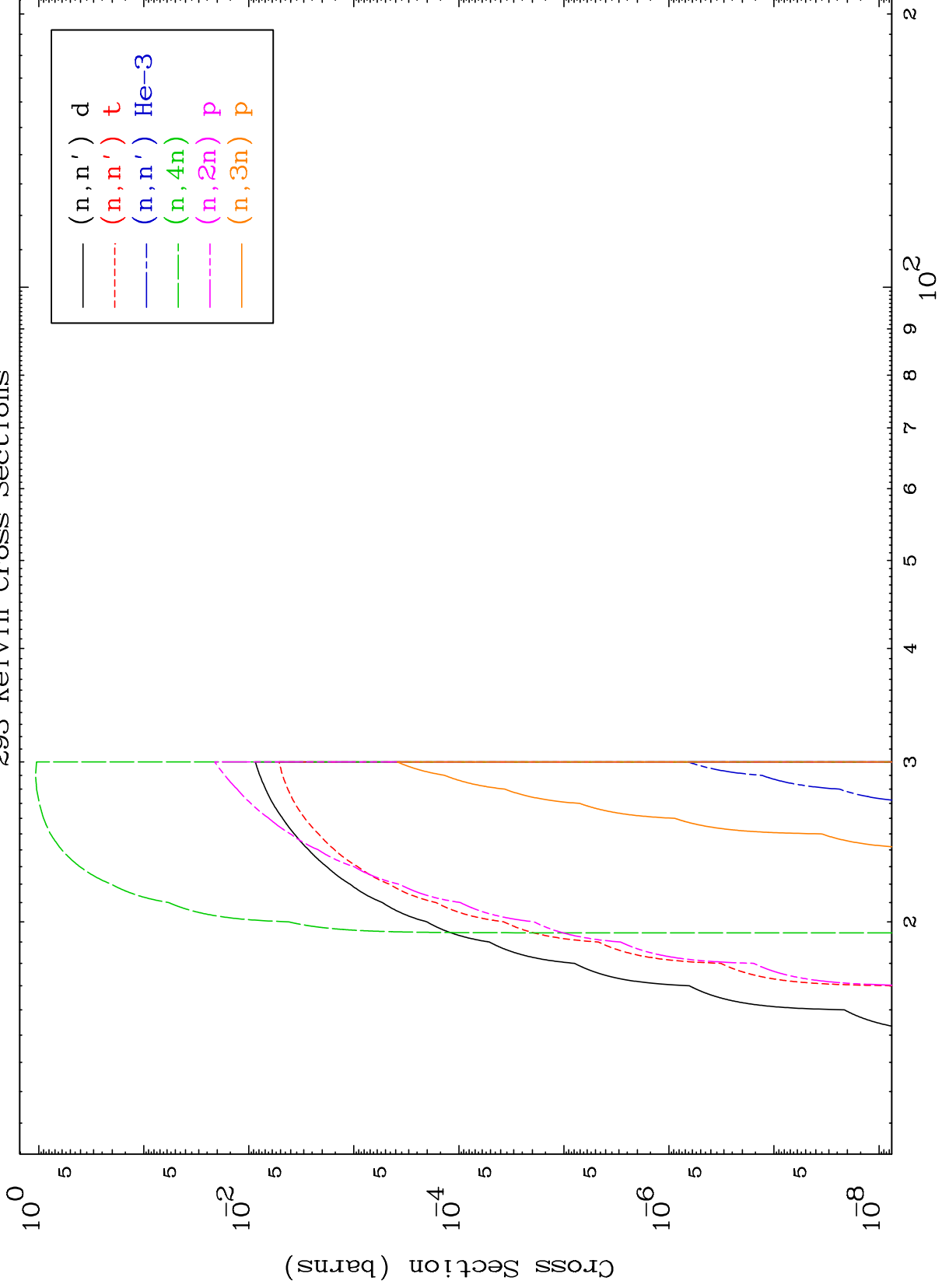
Tele: 925-443-1911

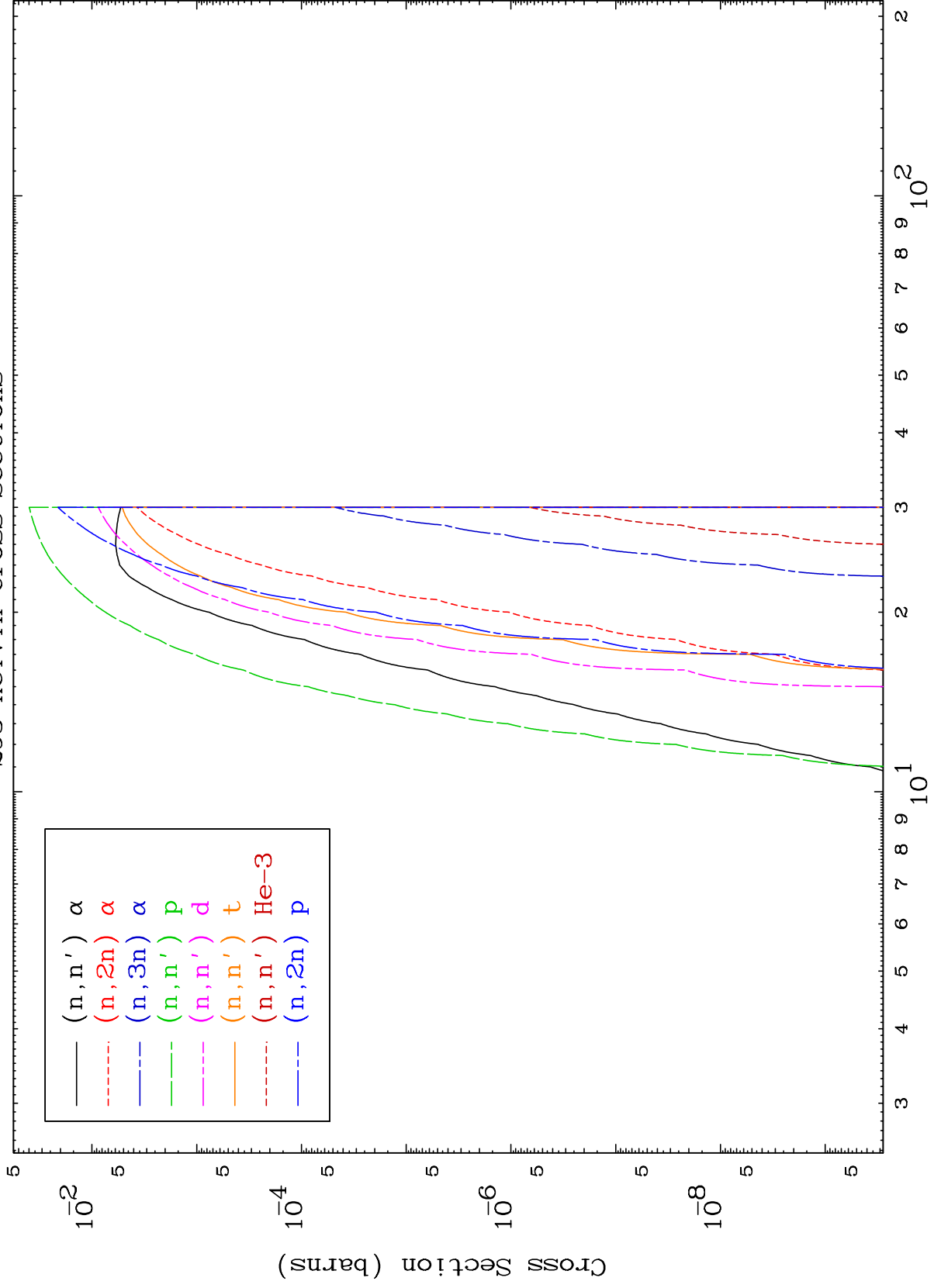
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start





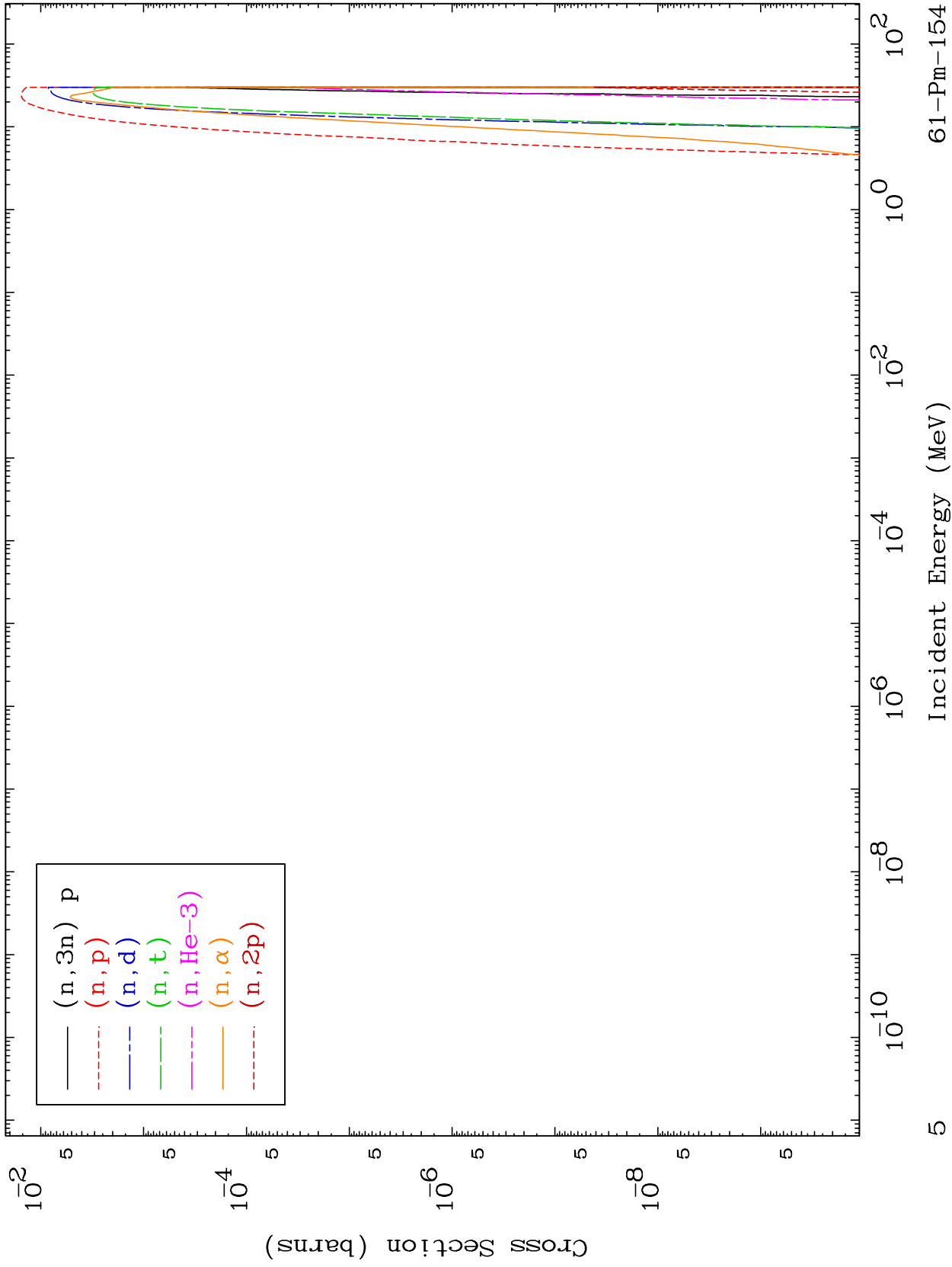




MAT 6170

Charged Particle
293 Kelvin Cross Sections

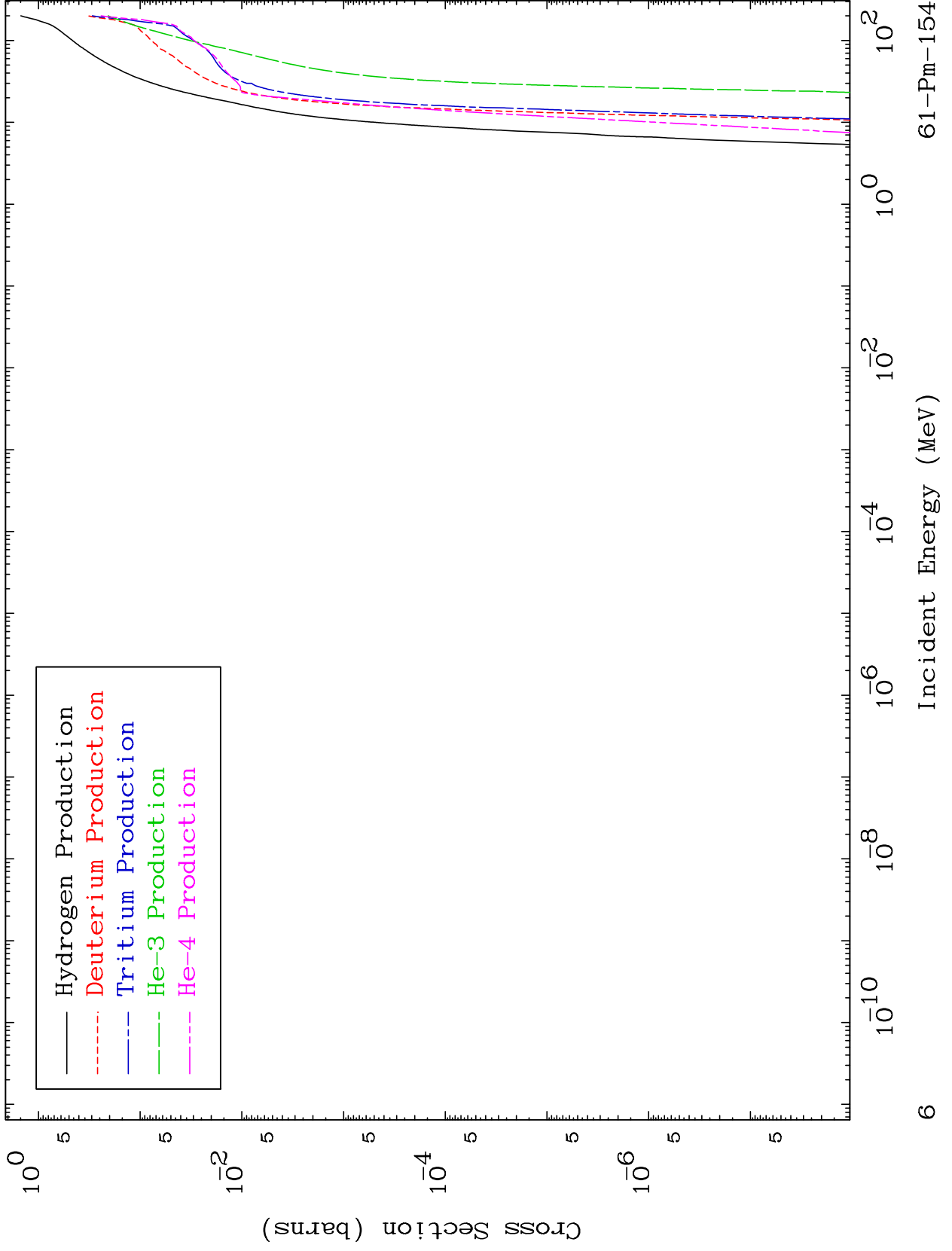
61-Pm-154



MAT 6170

Particle Production
293 Kelvin Cross Sections

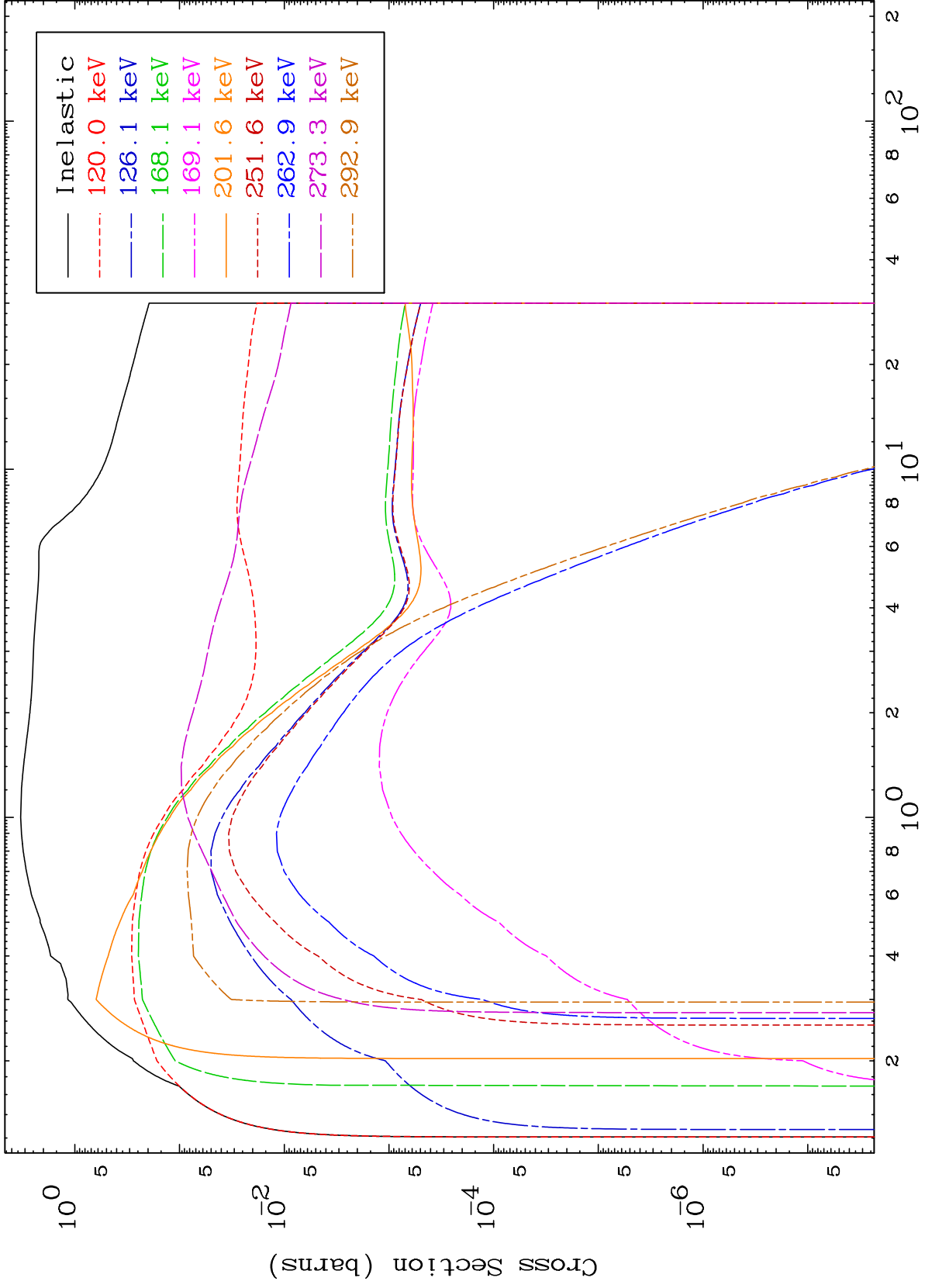
61-Pm-154



MAT 6170

(n,n') Level
293 Kelvin Cross Sections

61-Pm-154

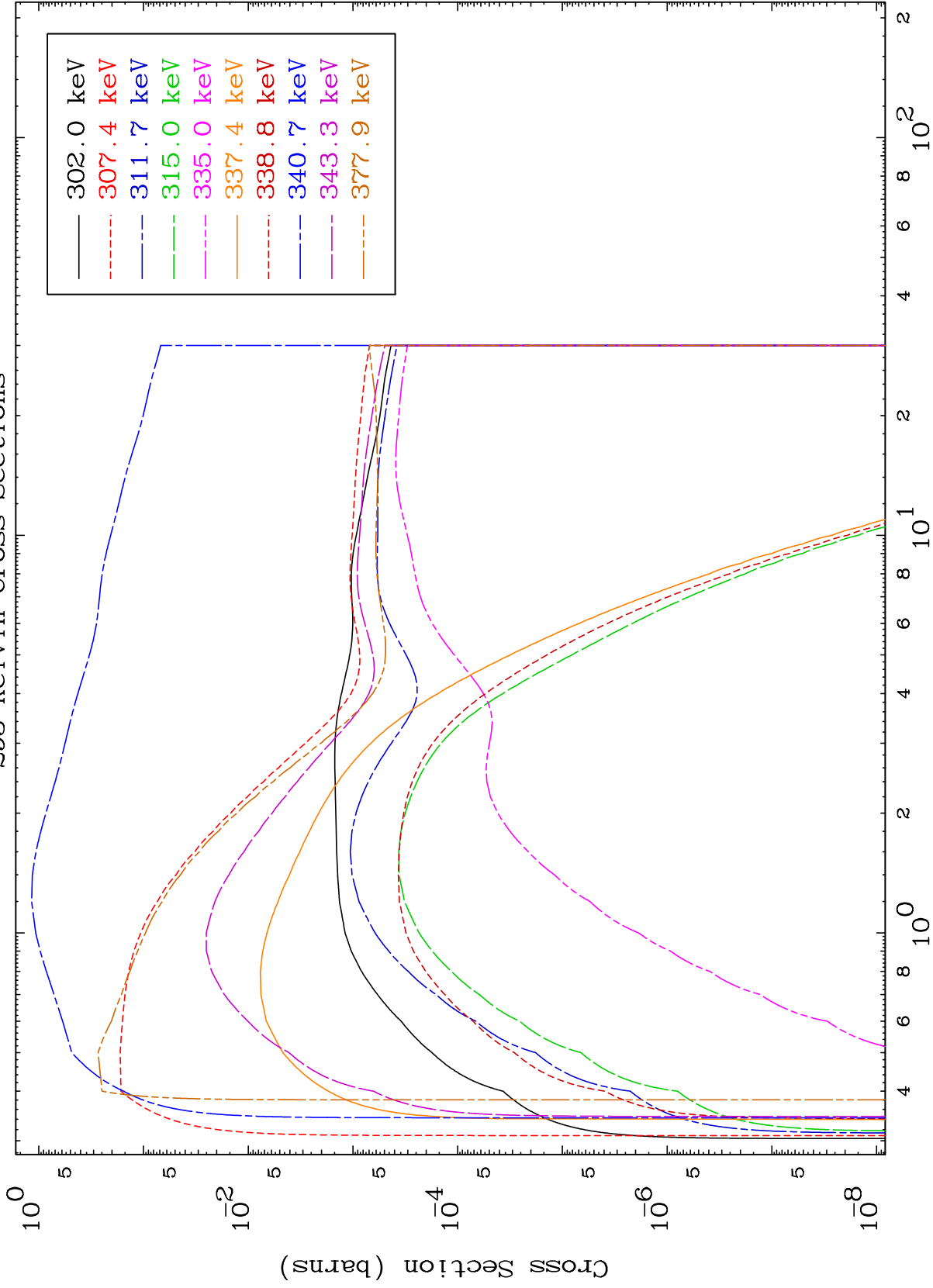


MAT 6170

(n,n') Level

61-Pm-154

293 Kelvin Cross Sections



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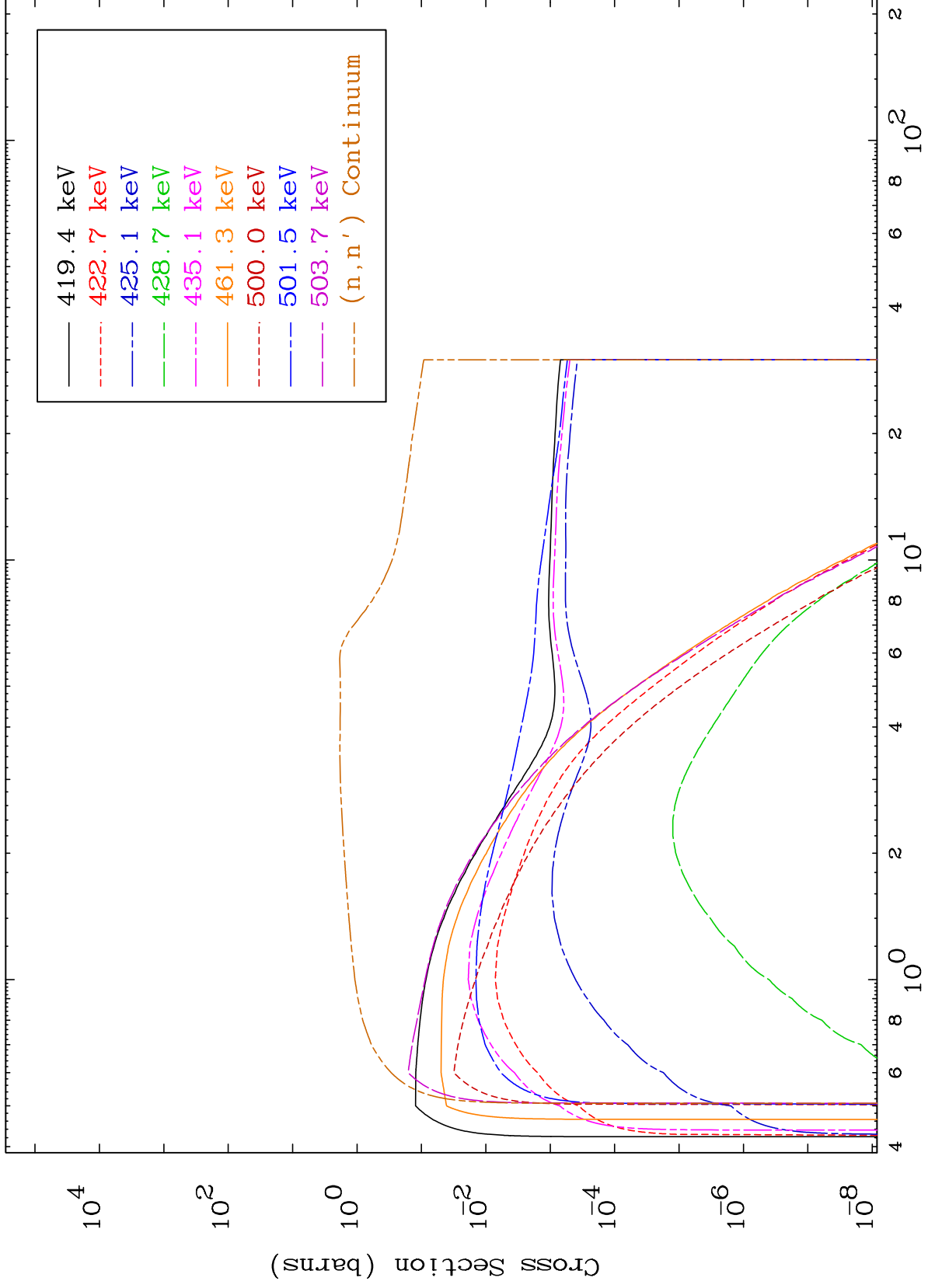
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,n') Level
293 Kelvin Cross Sections

61-Pm-154



9

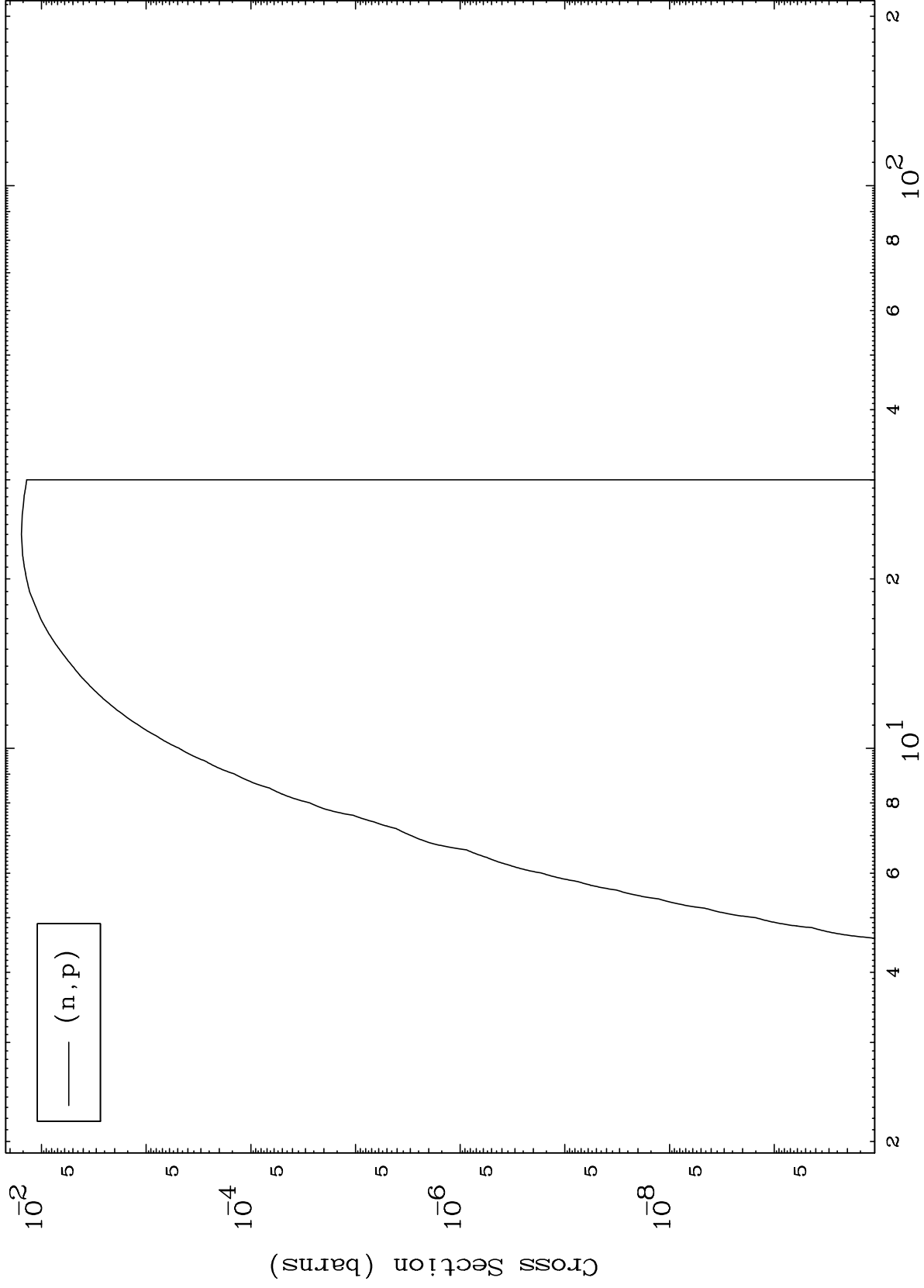
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-154



10

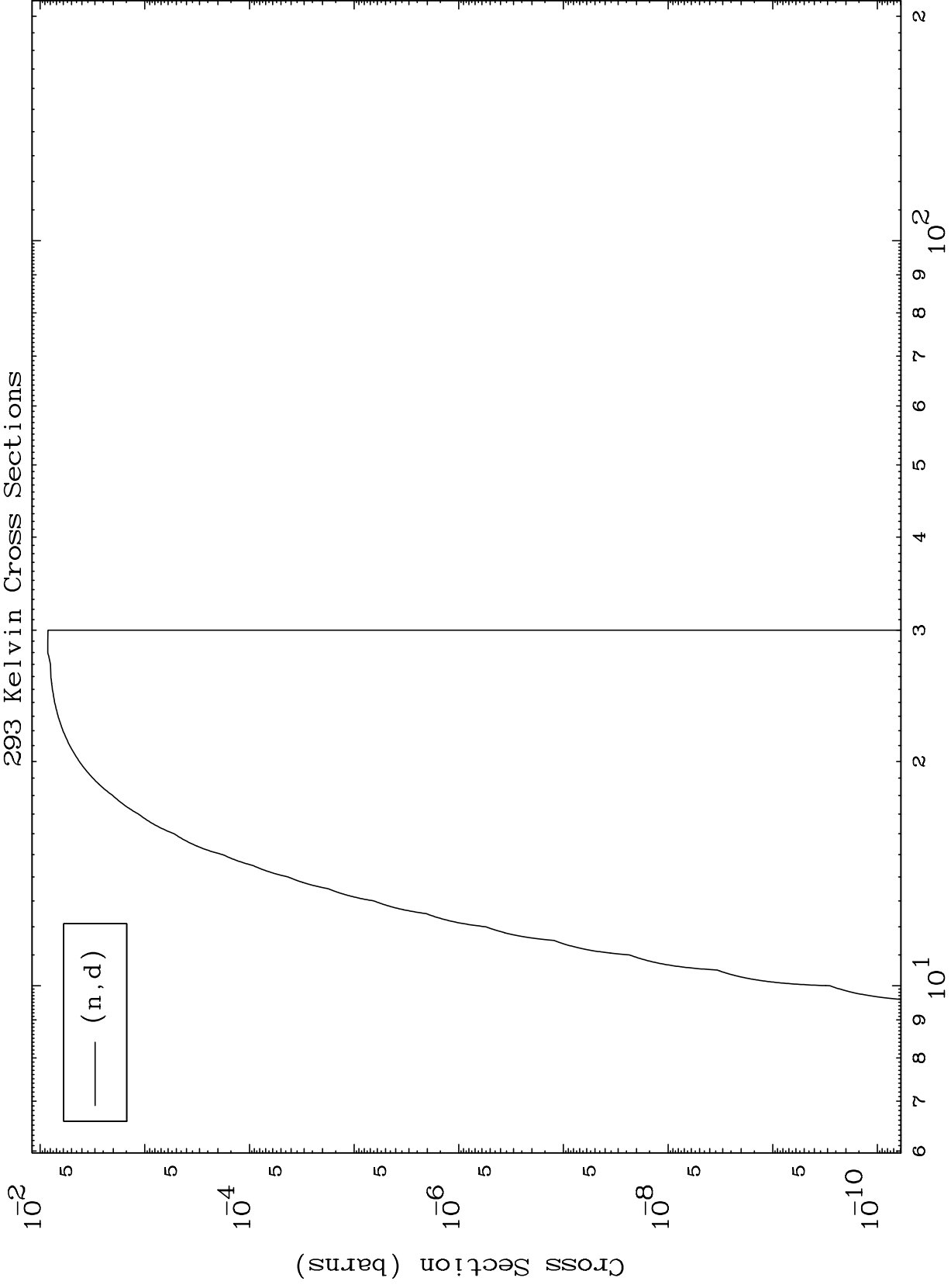
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-154



11

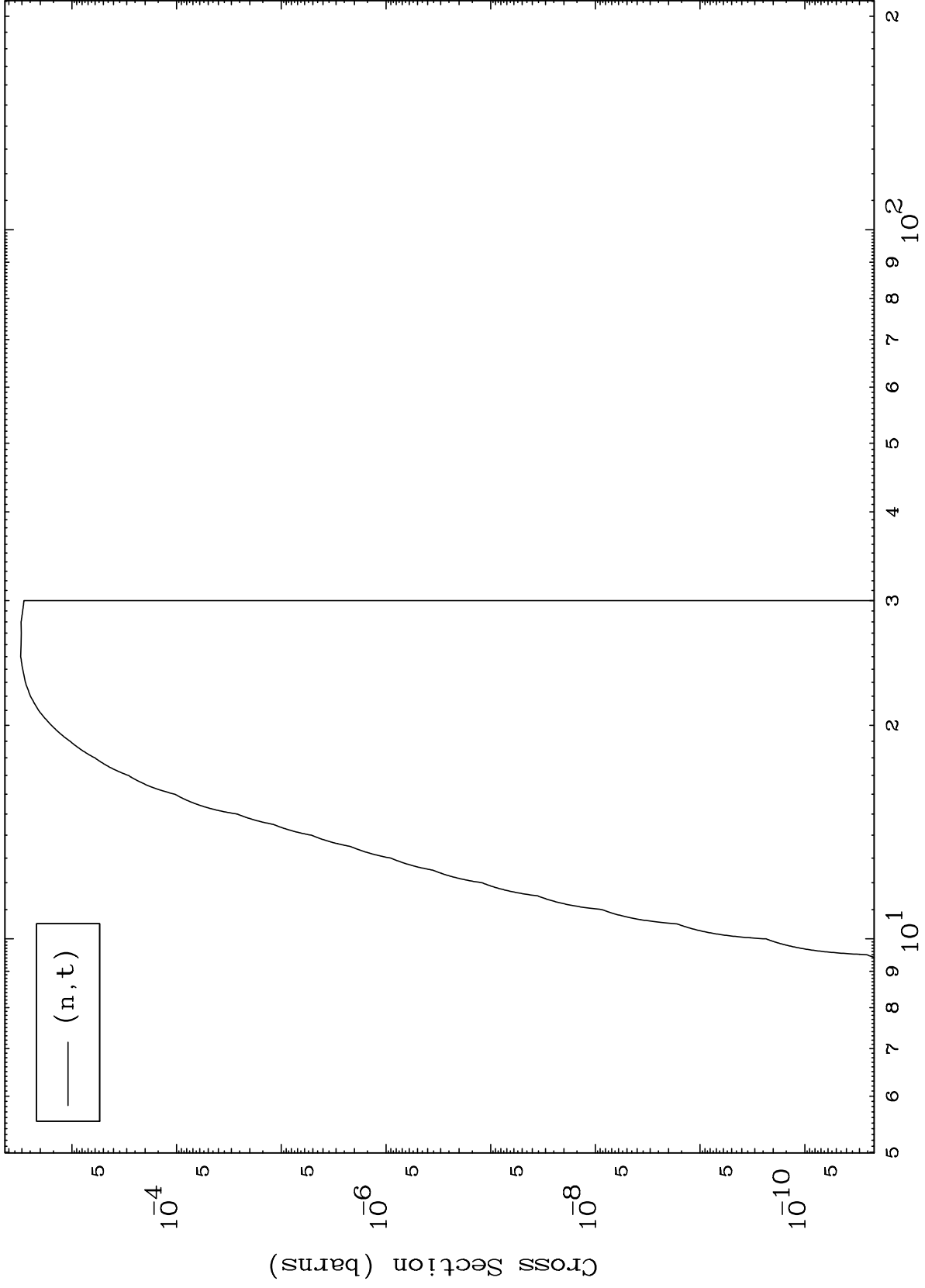
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-154



12

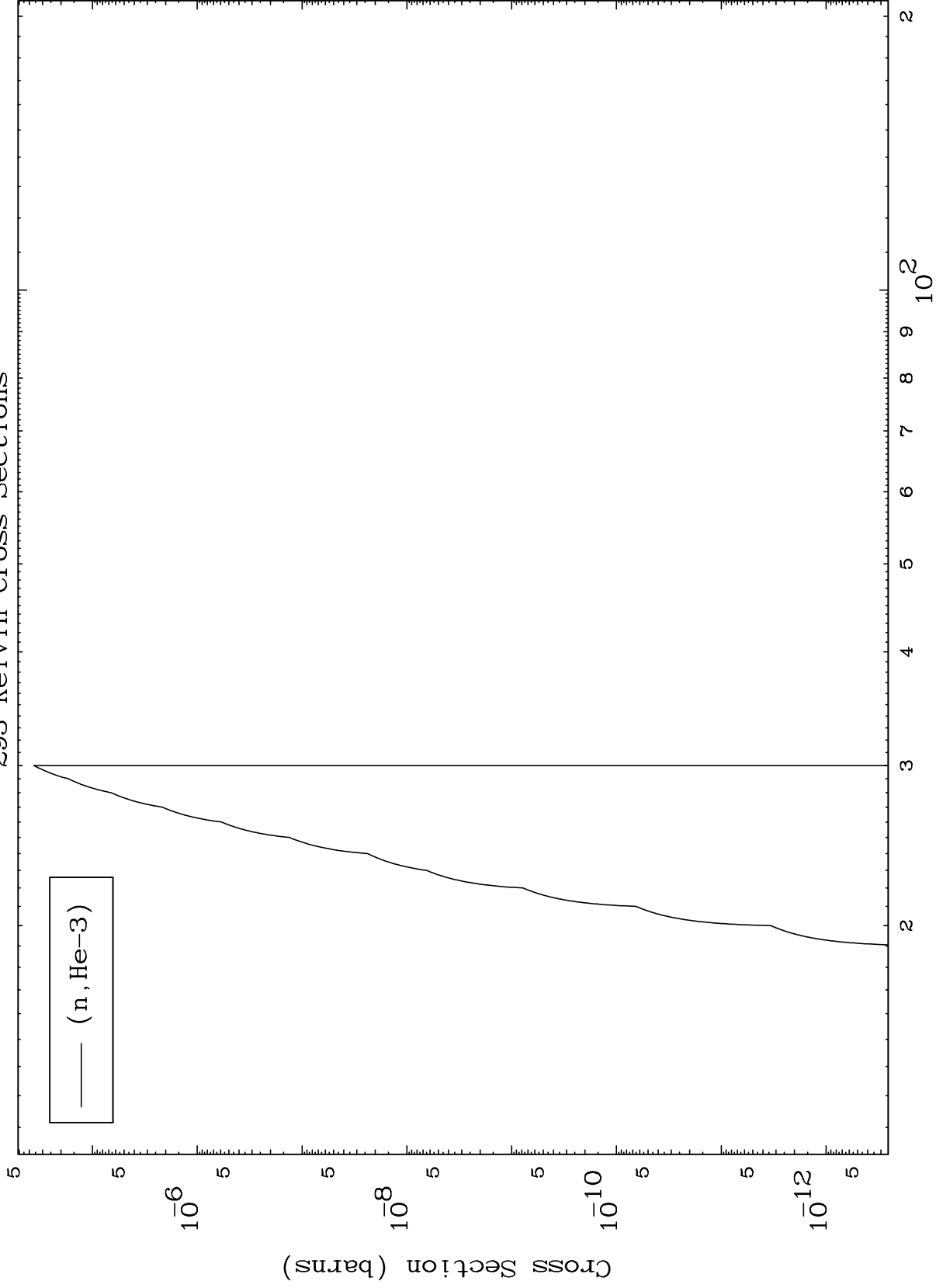
Incident Energy (MeV)

61-Pm-154

MAT 6170

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-154



13

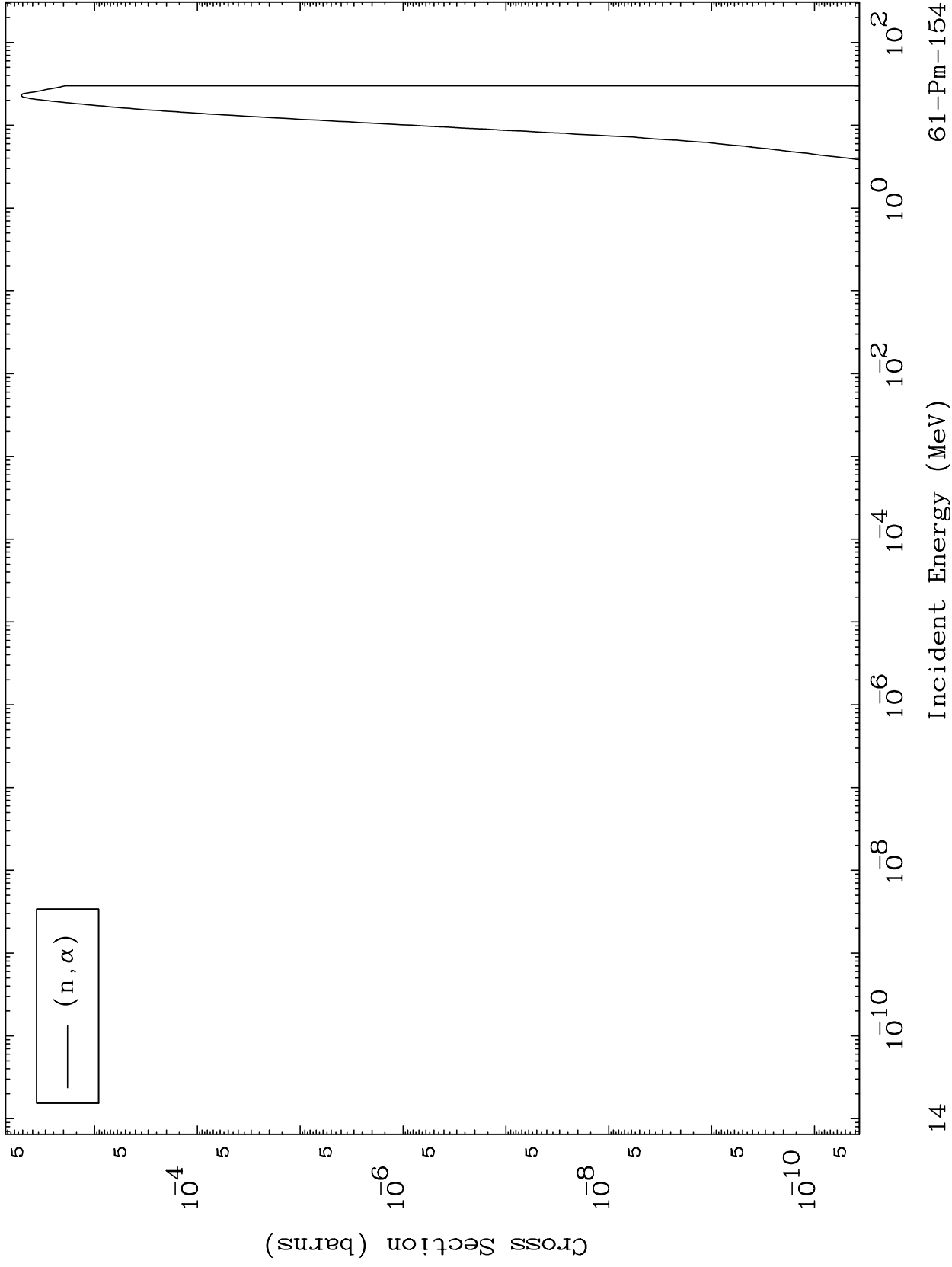
Incident Energy (MeV)

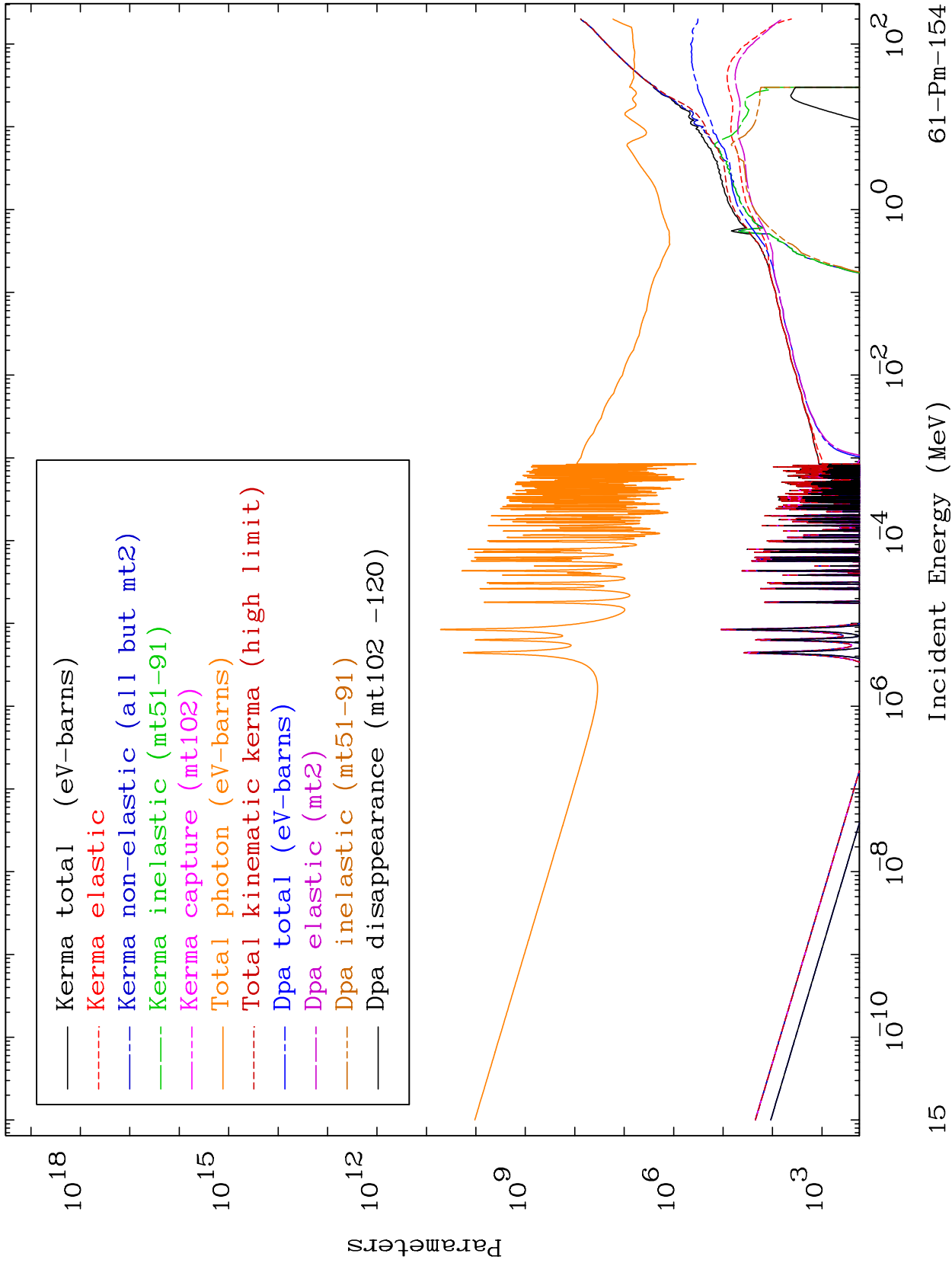
61-Pm-154

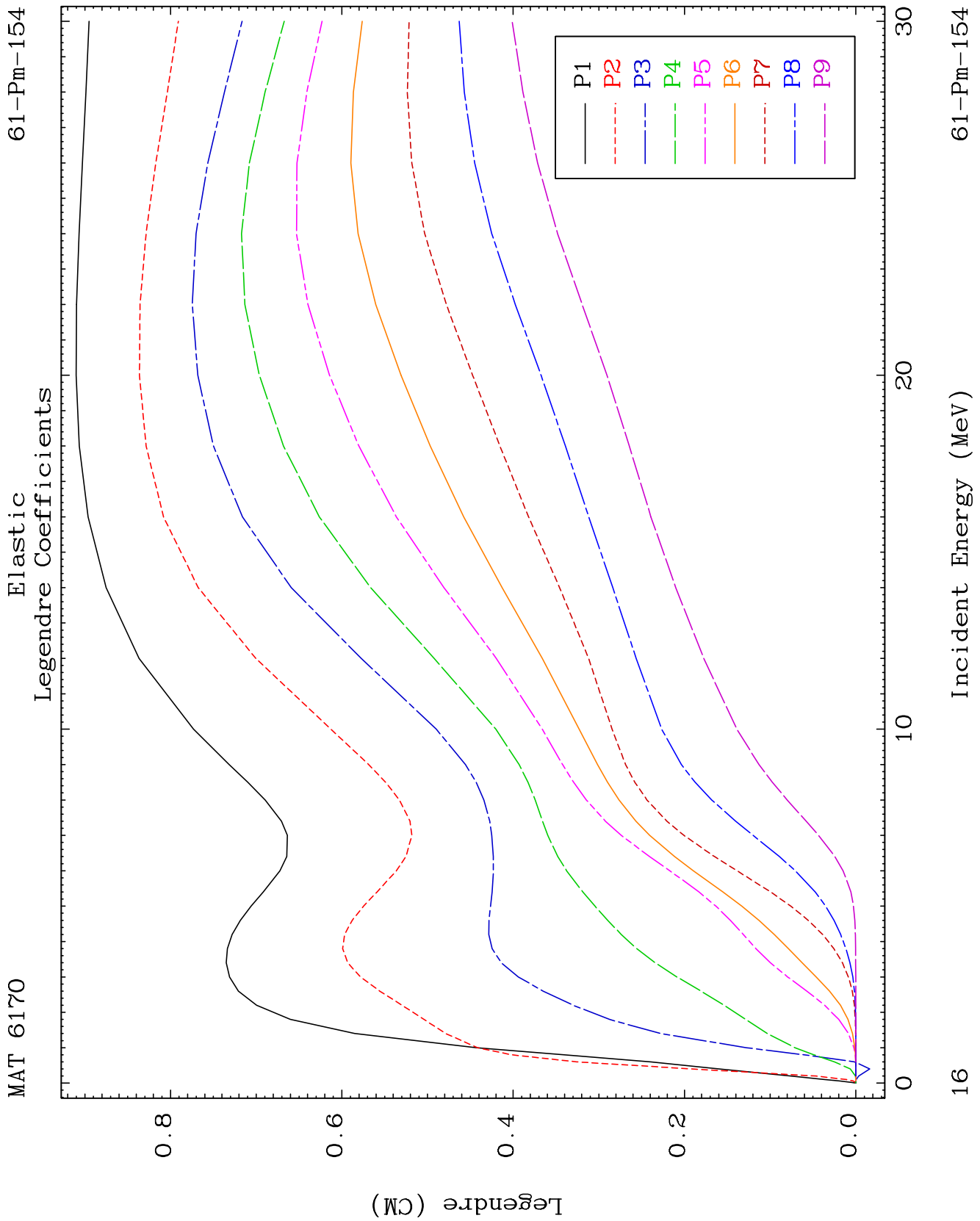
MAT 6170

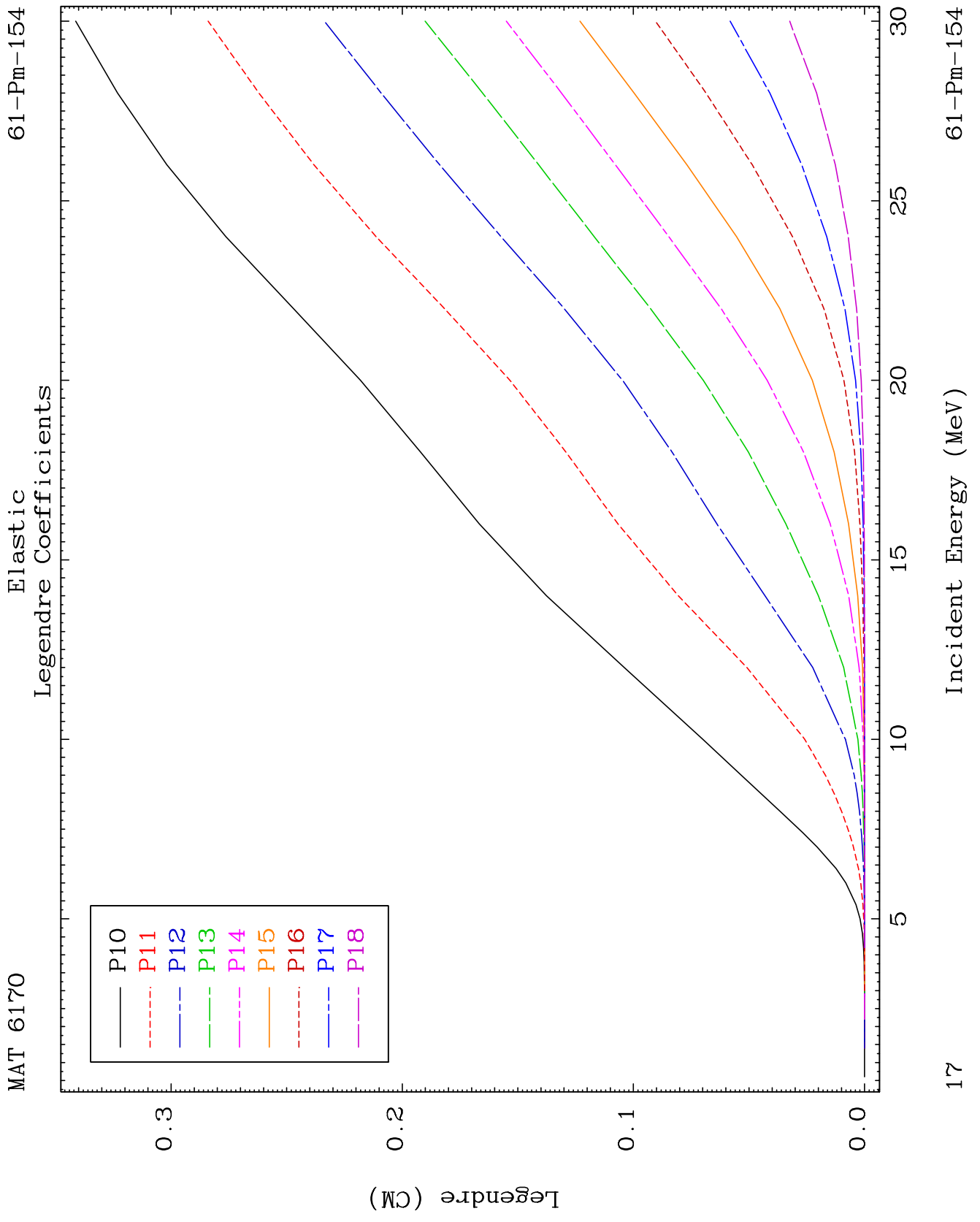
(n, α) Levels
293 Kelvin Cross Sections

61-Pm-154





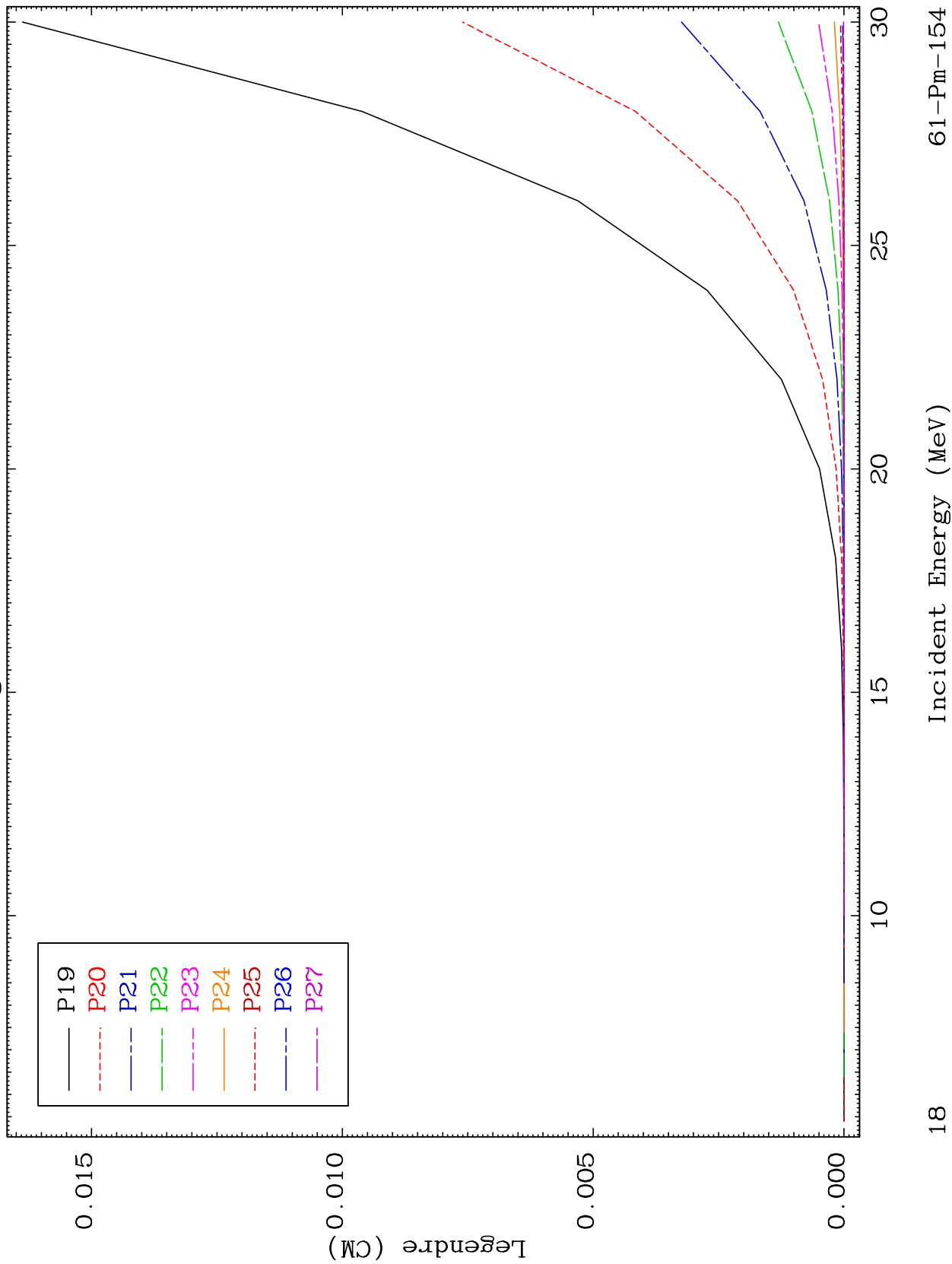




MAT 6170

Elastic Legendre Coefficients

61-Pm-154



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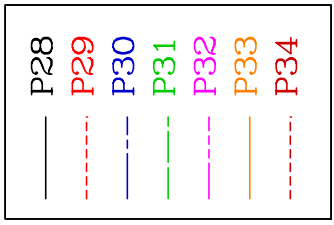
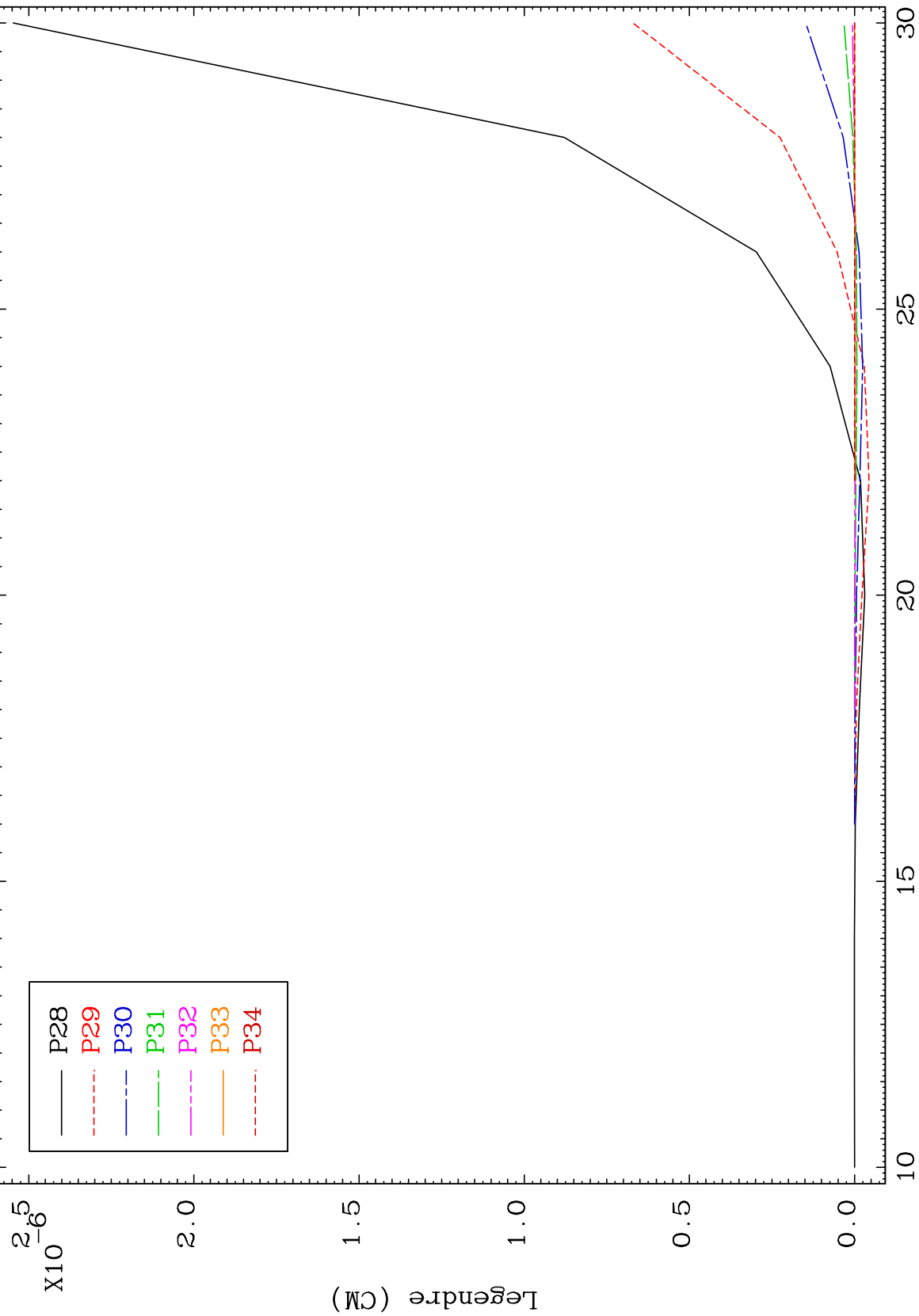
Incident Energy (MeV)

61-Pm-154

MAT 6170

Elastic
Legendre Coefficients

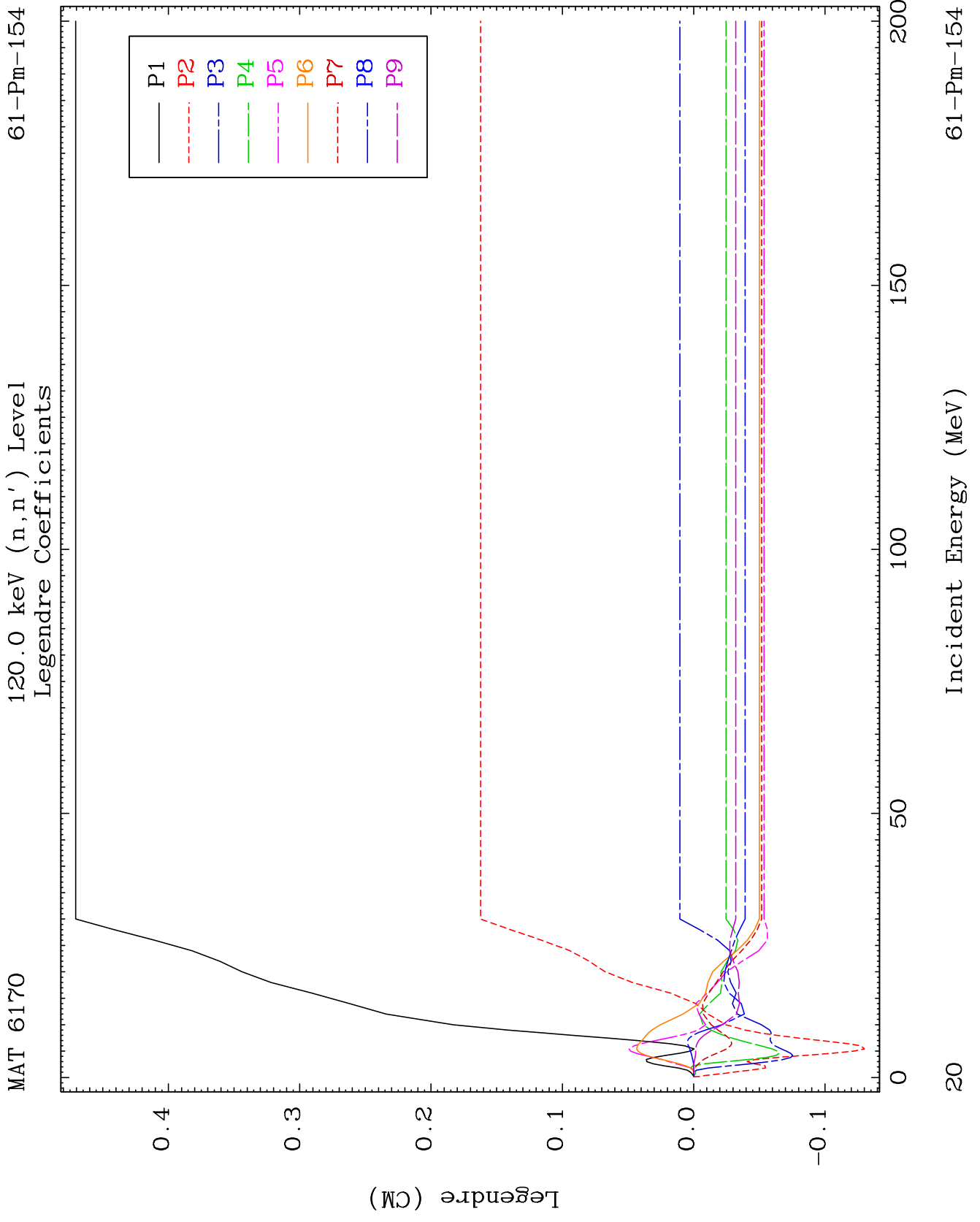
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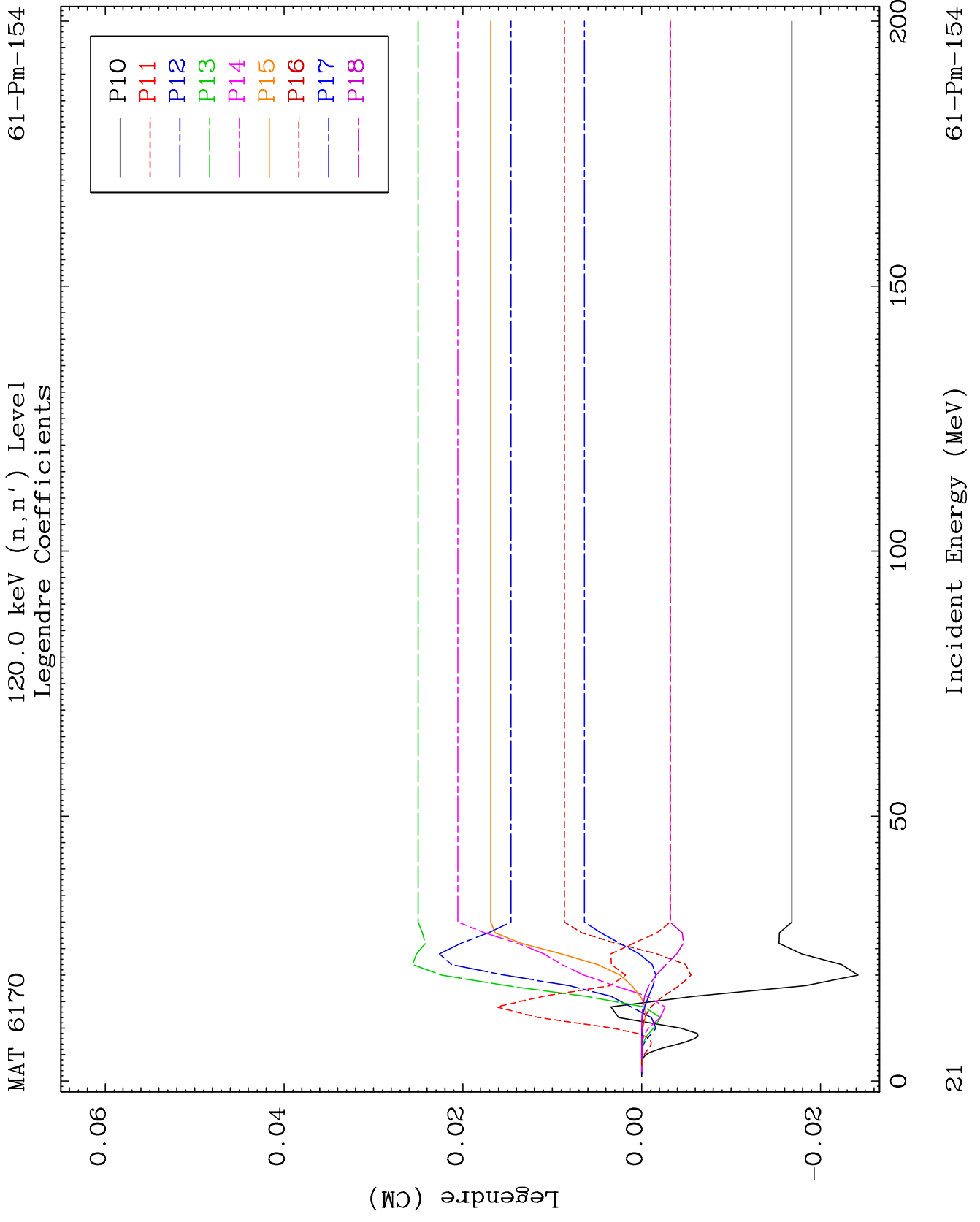


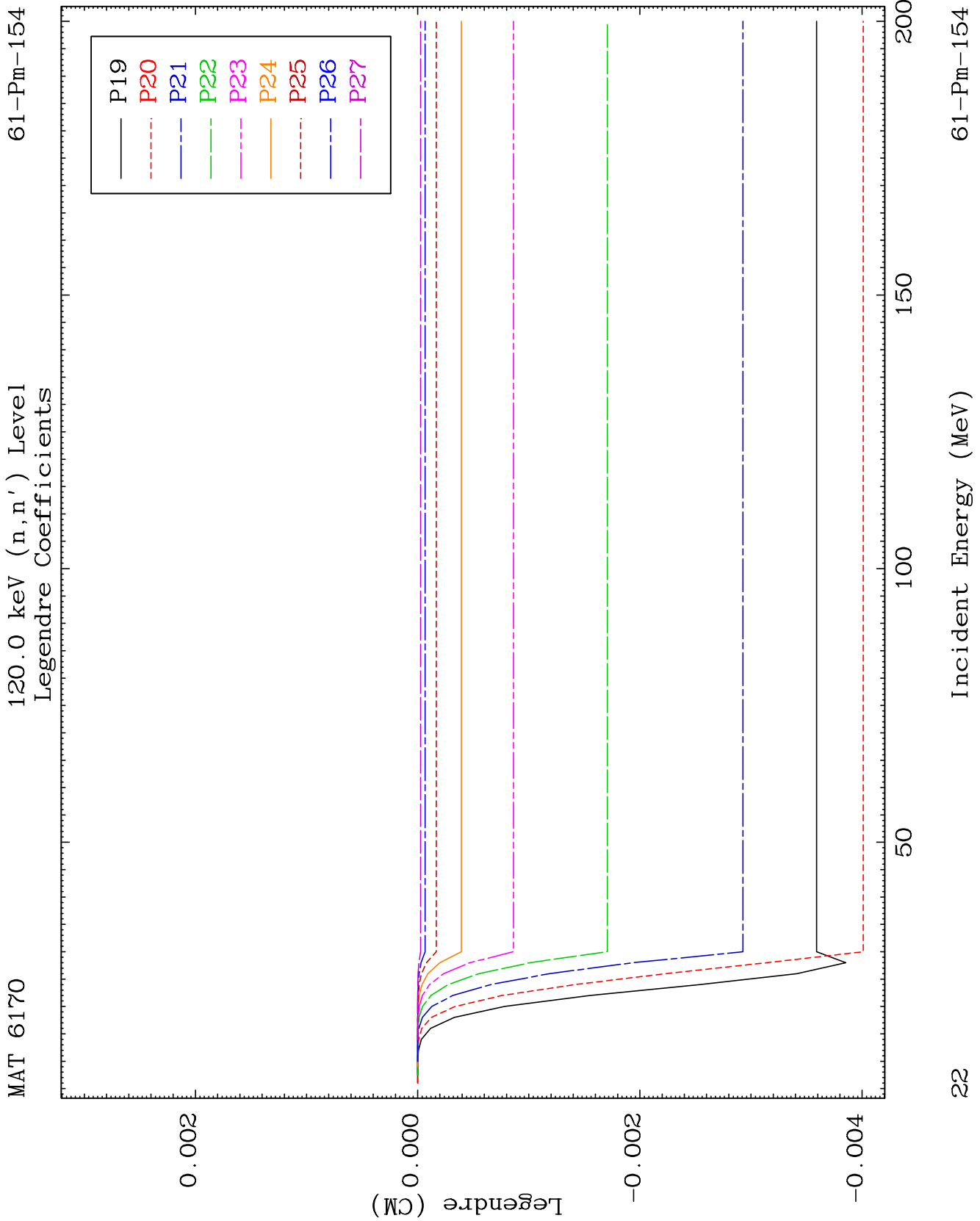
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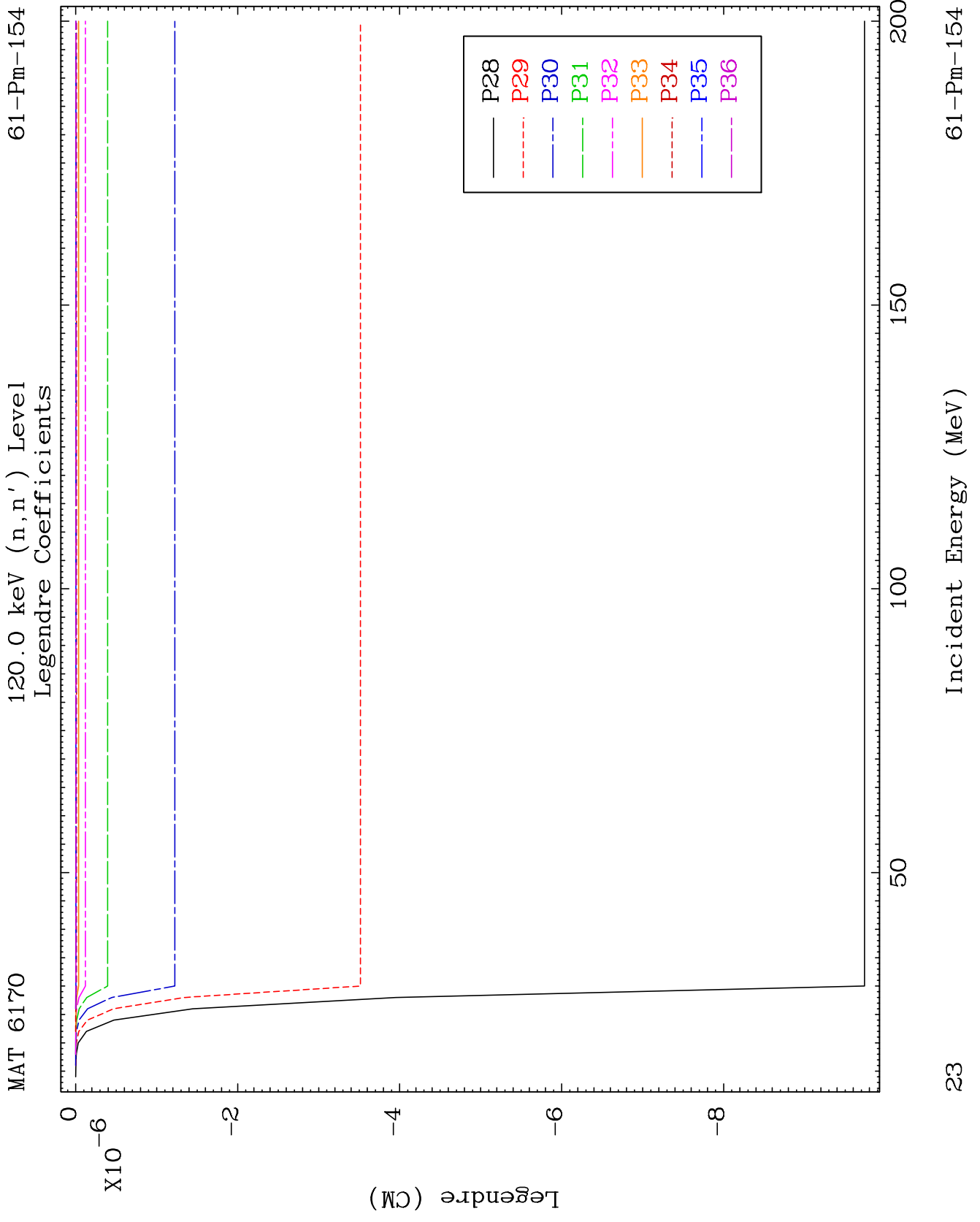
Incident Energy (MeV)

61-Pm-154





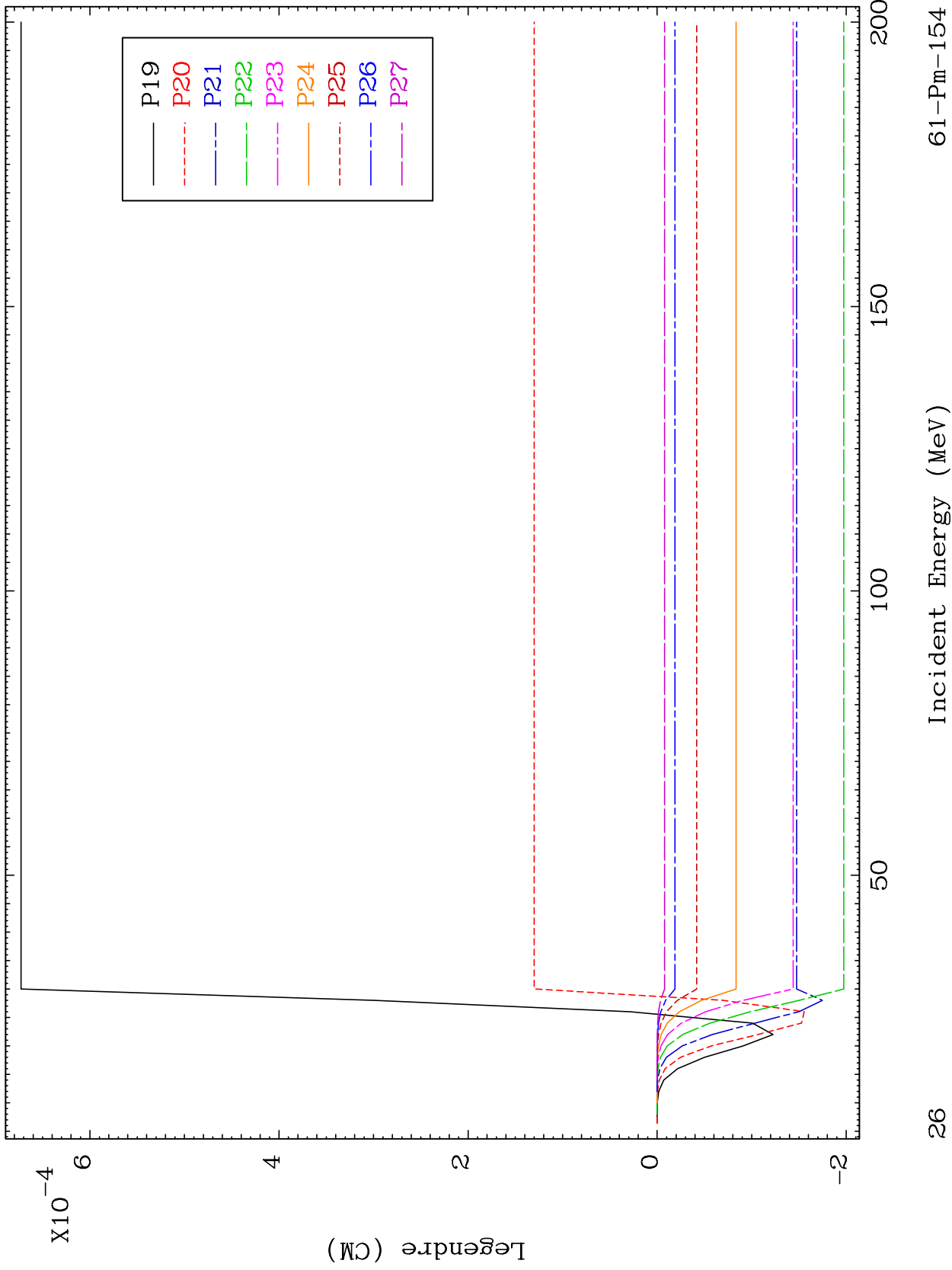




MAT 6170

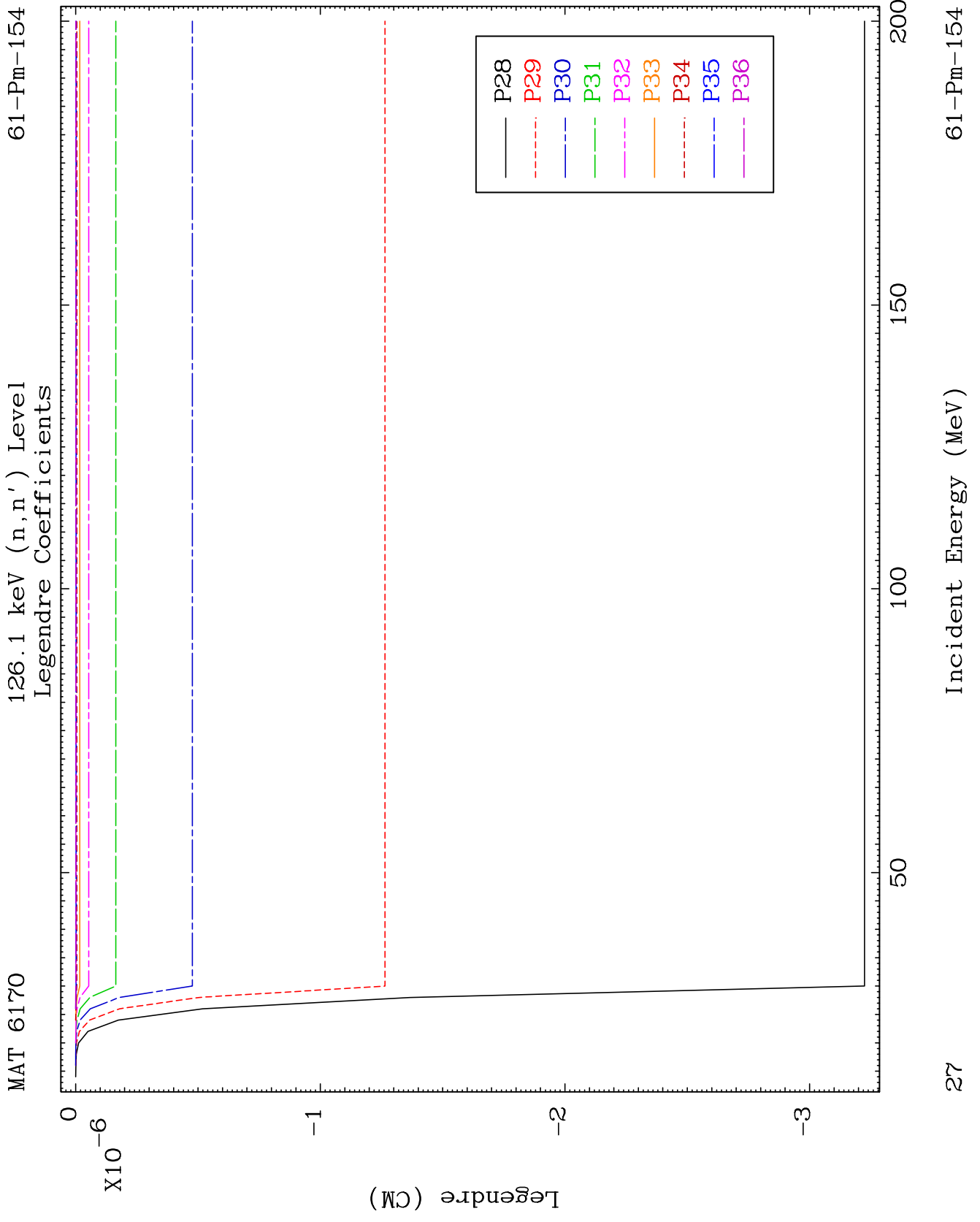
126.1 keV (n,n') Level
Legendre Coefficients

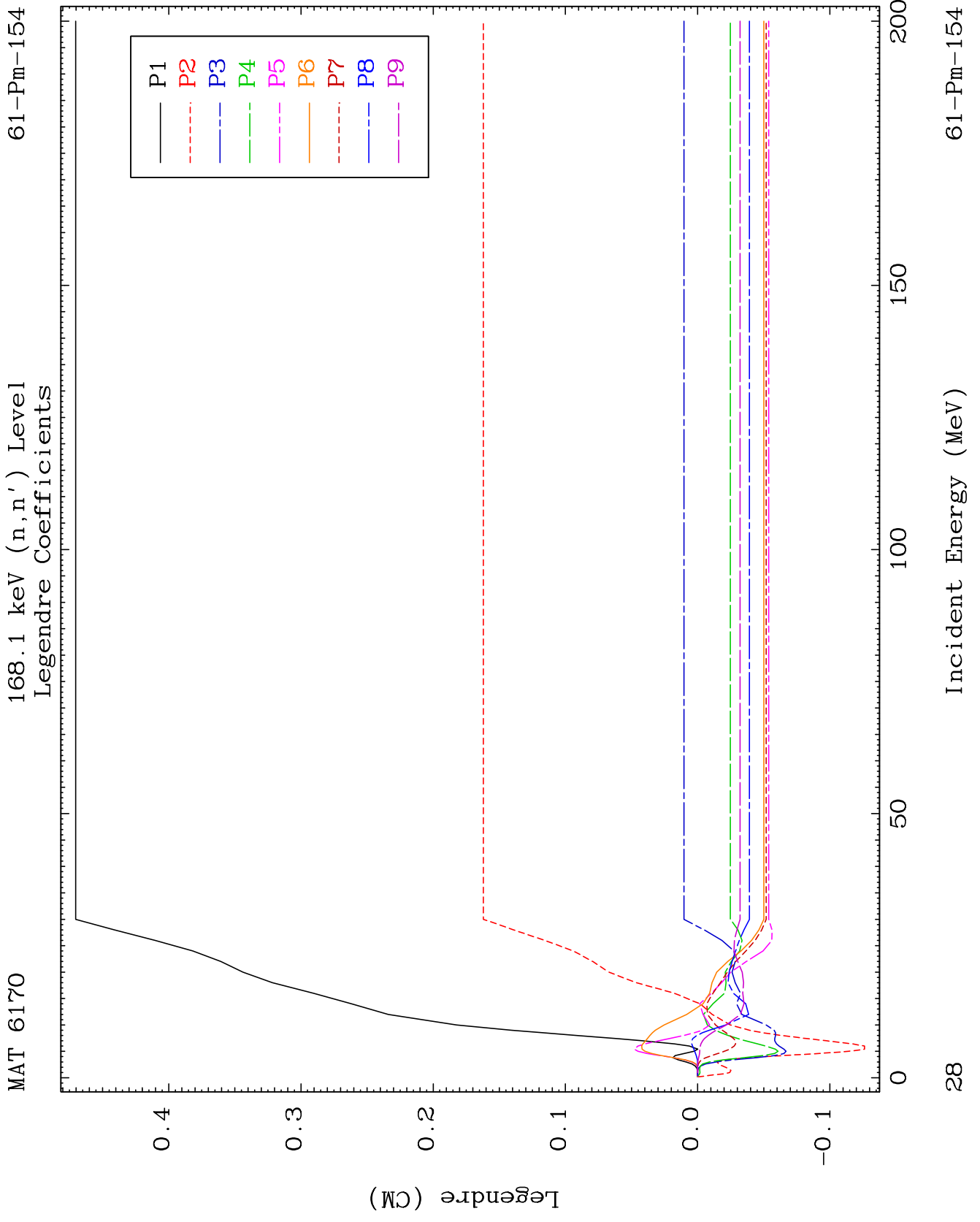
61-Pm-154



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61-Pm-154

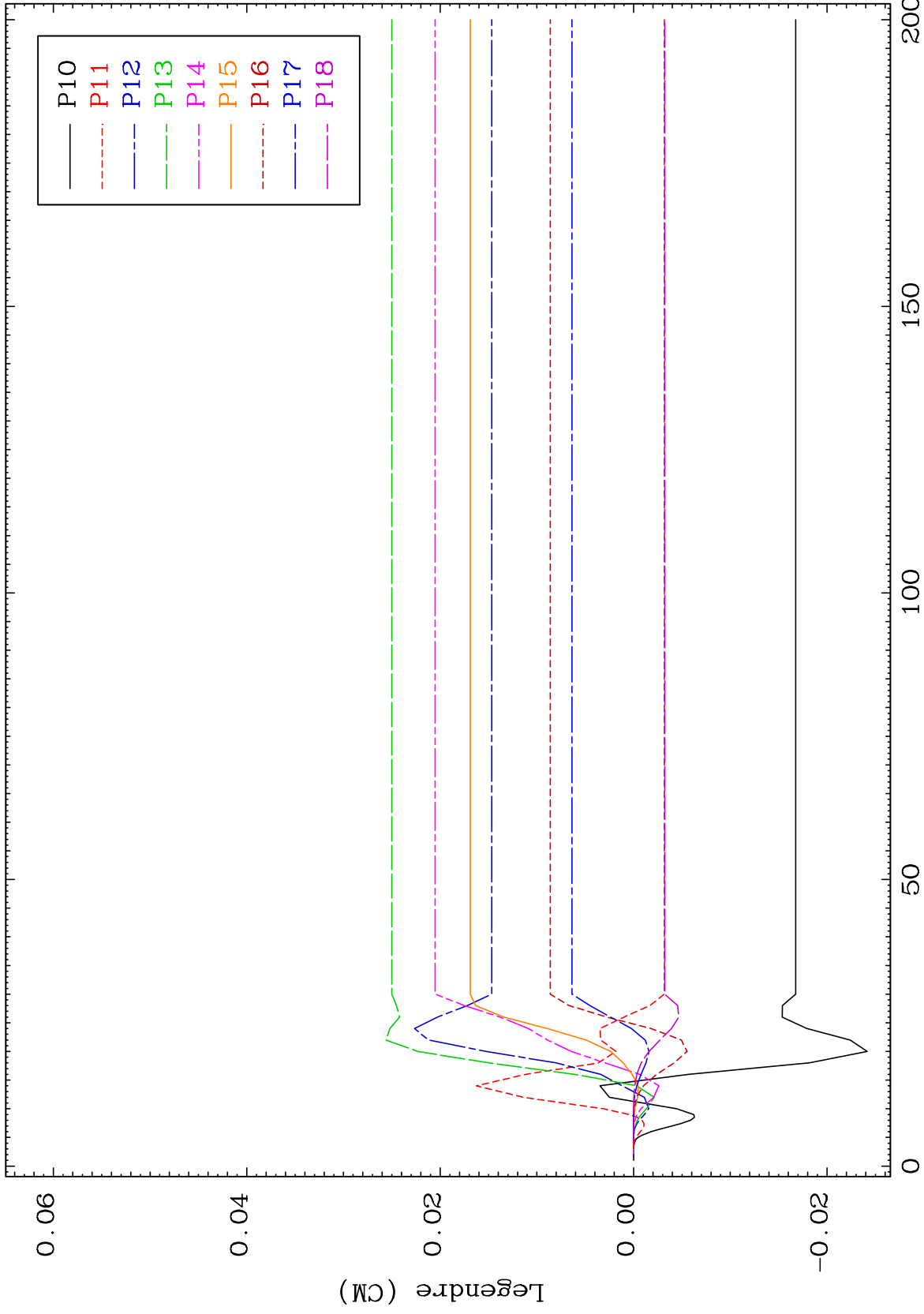




MAT 6170

168.1 keV (n,n') Level
Legendre Coefficients

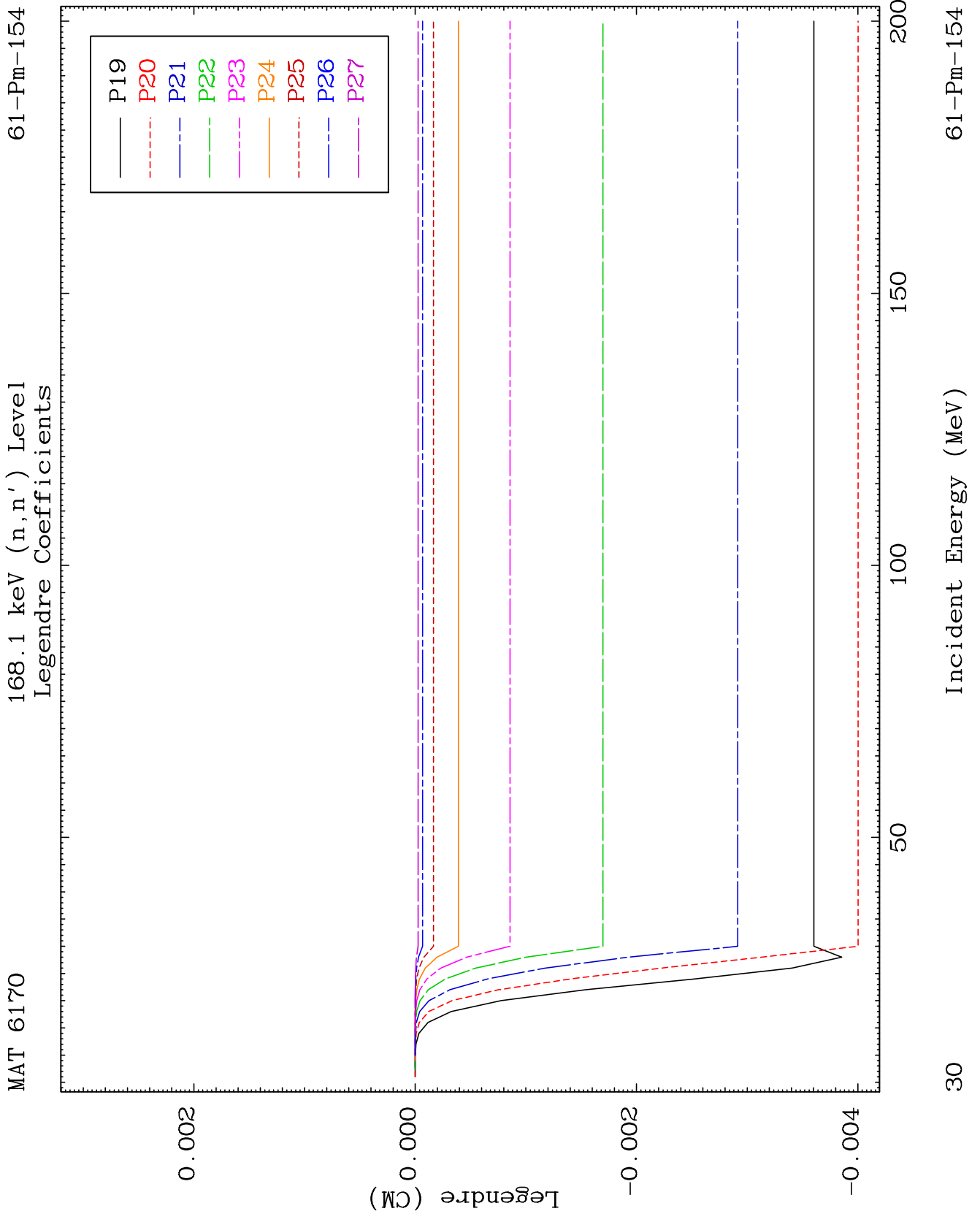
61-Pm-154

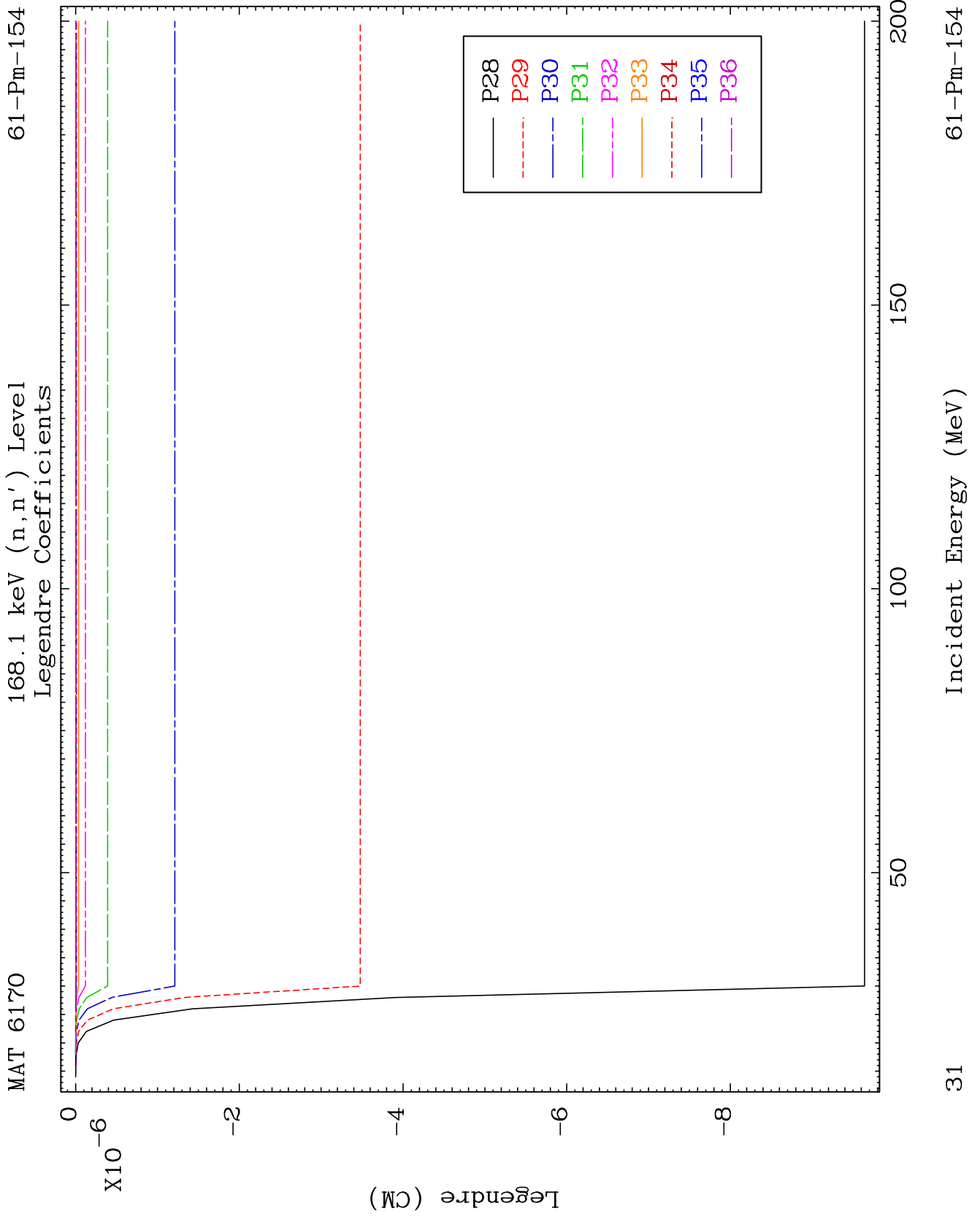


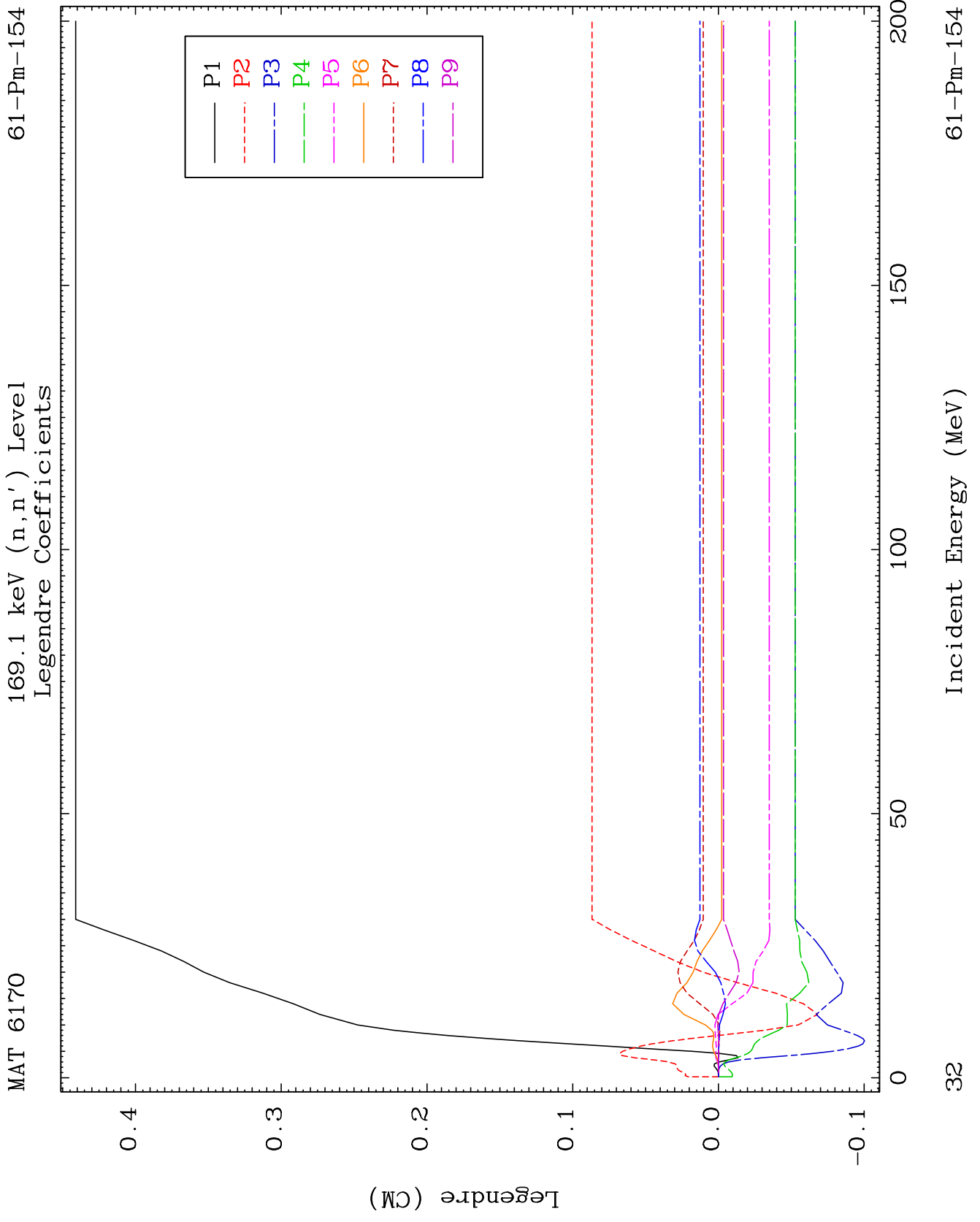
29

Incident Energy (MeV)

61-Pm-154



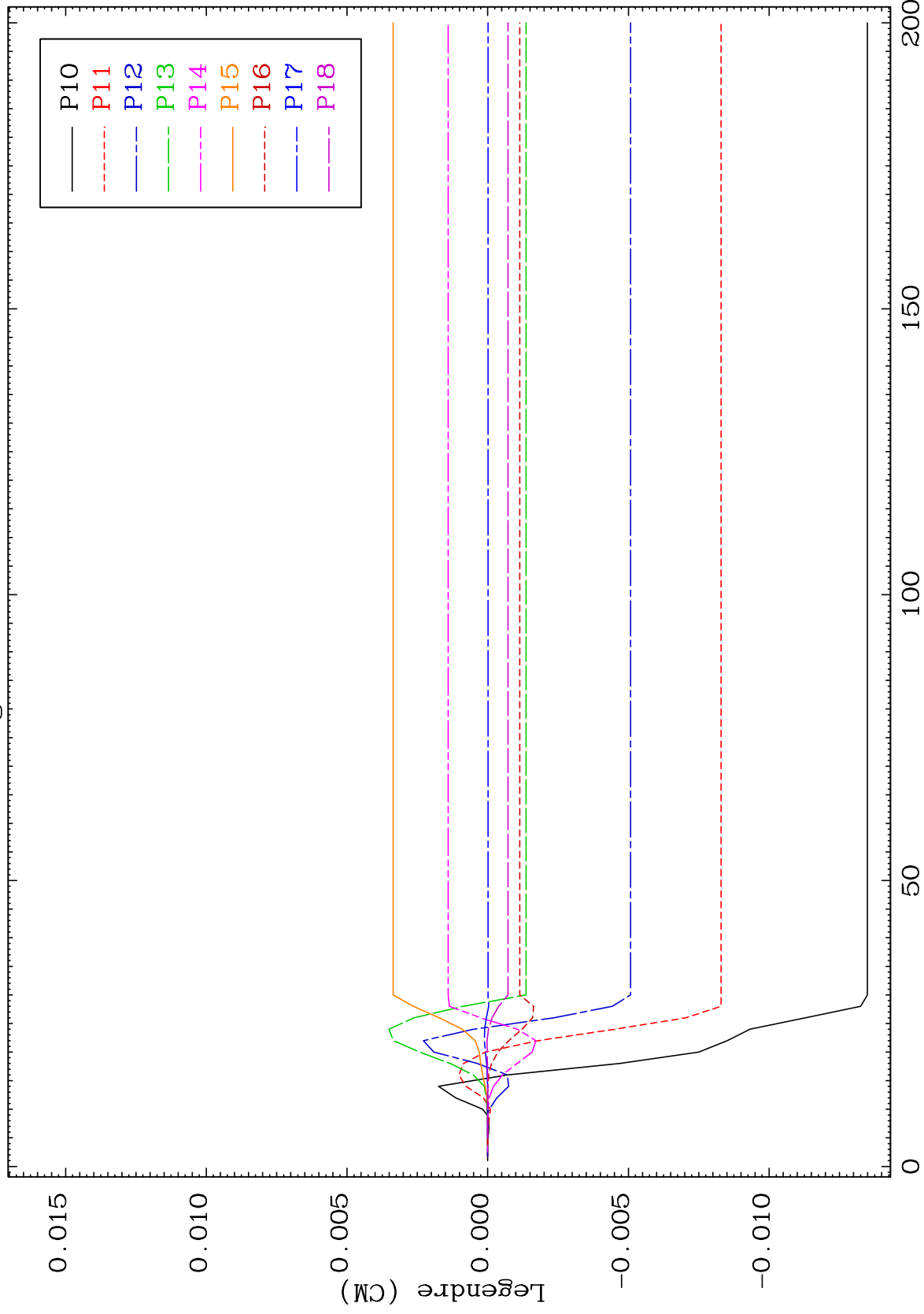




MAT 6170

169.1 keV (n,n') Level
Legendre Coefficients

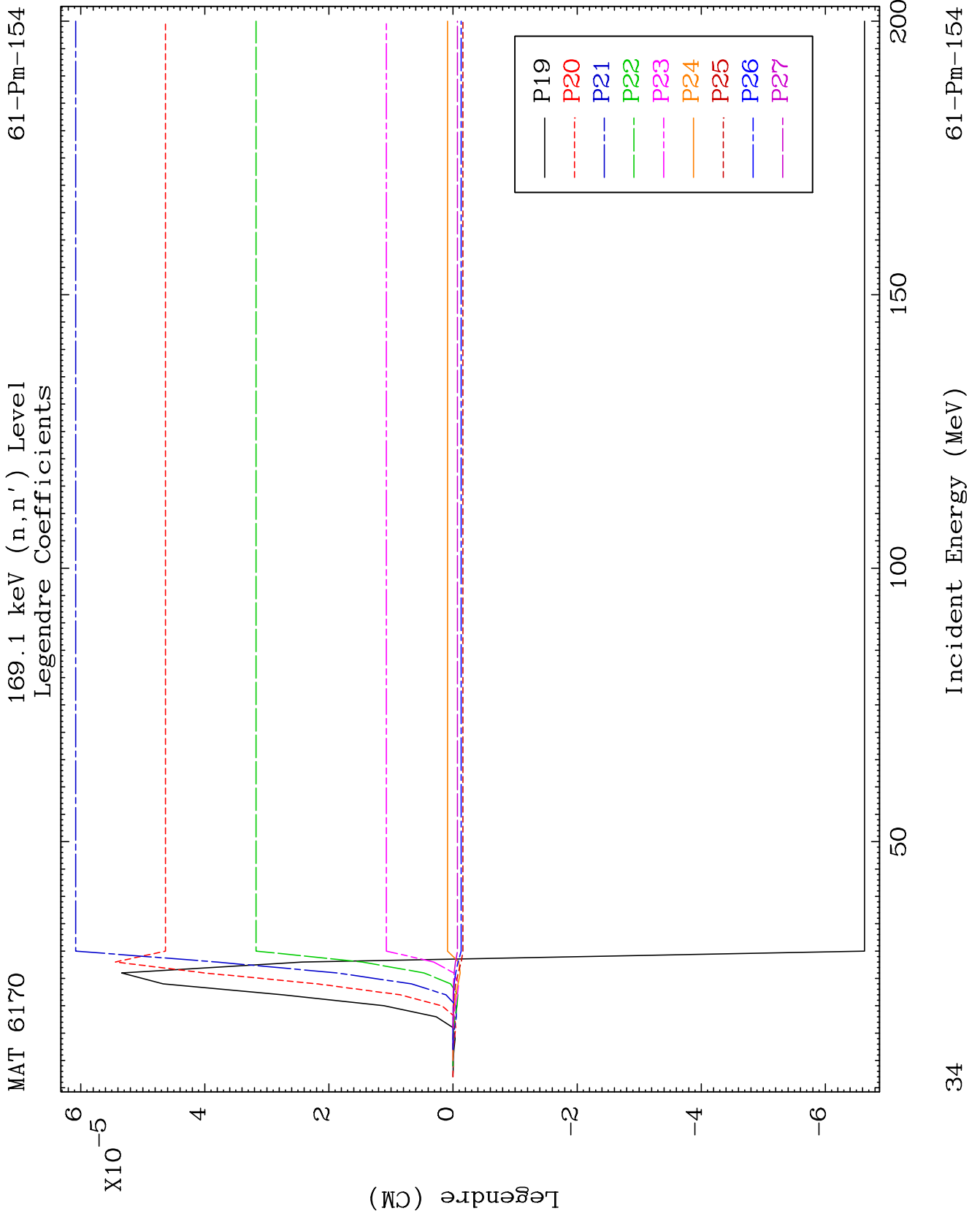
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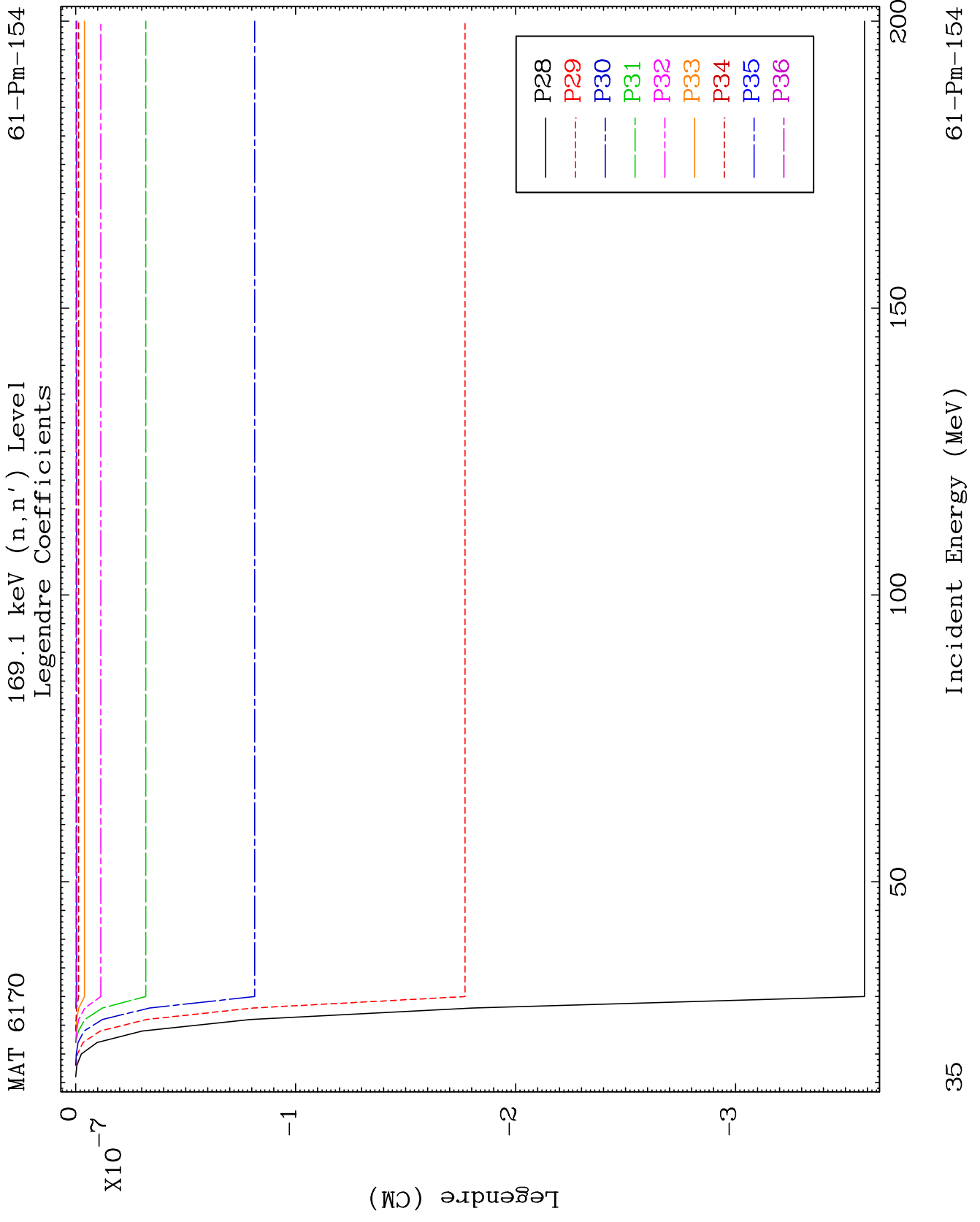


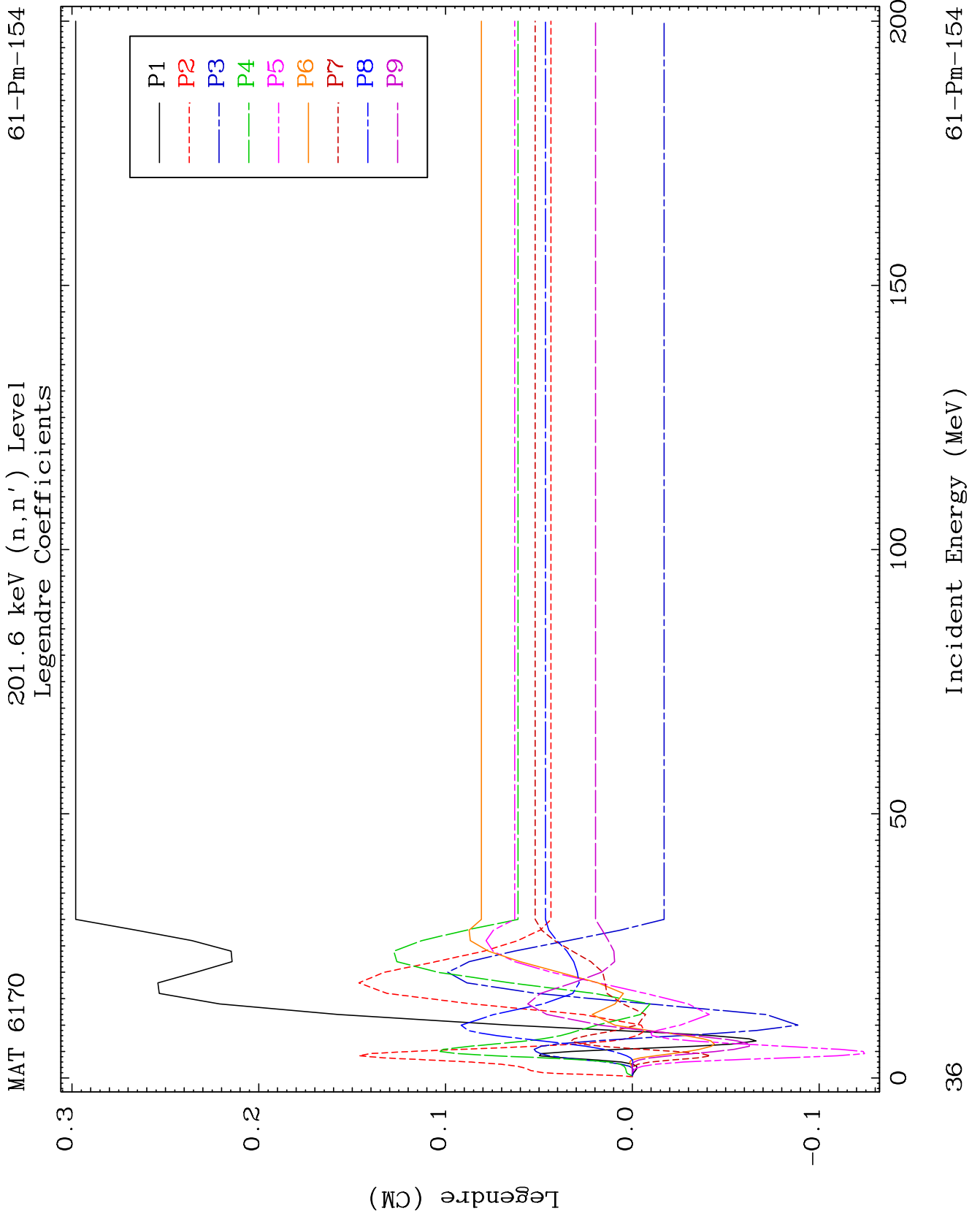
33

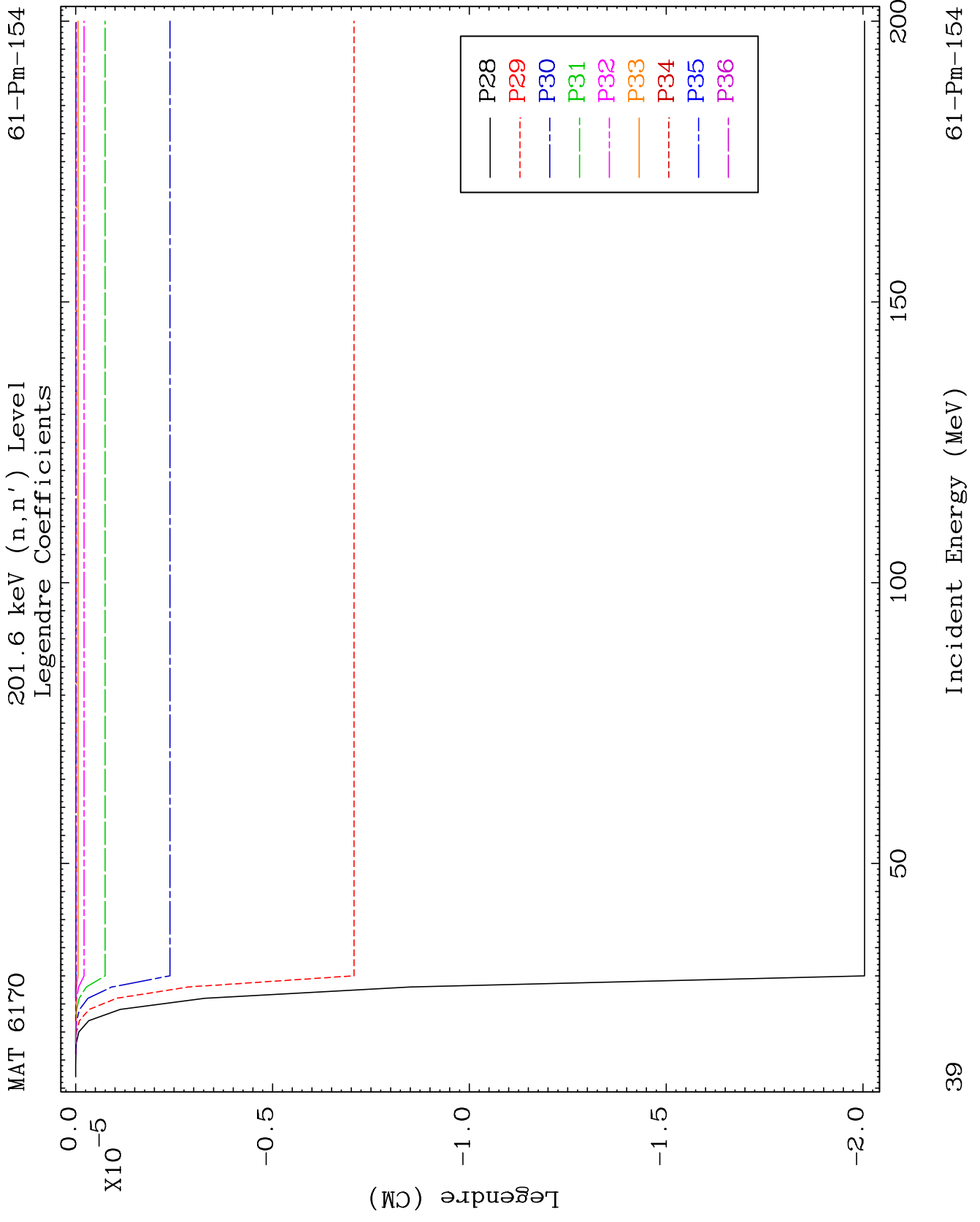
Incident Energy (MeV)

61-Pm-154





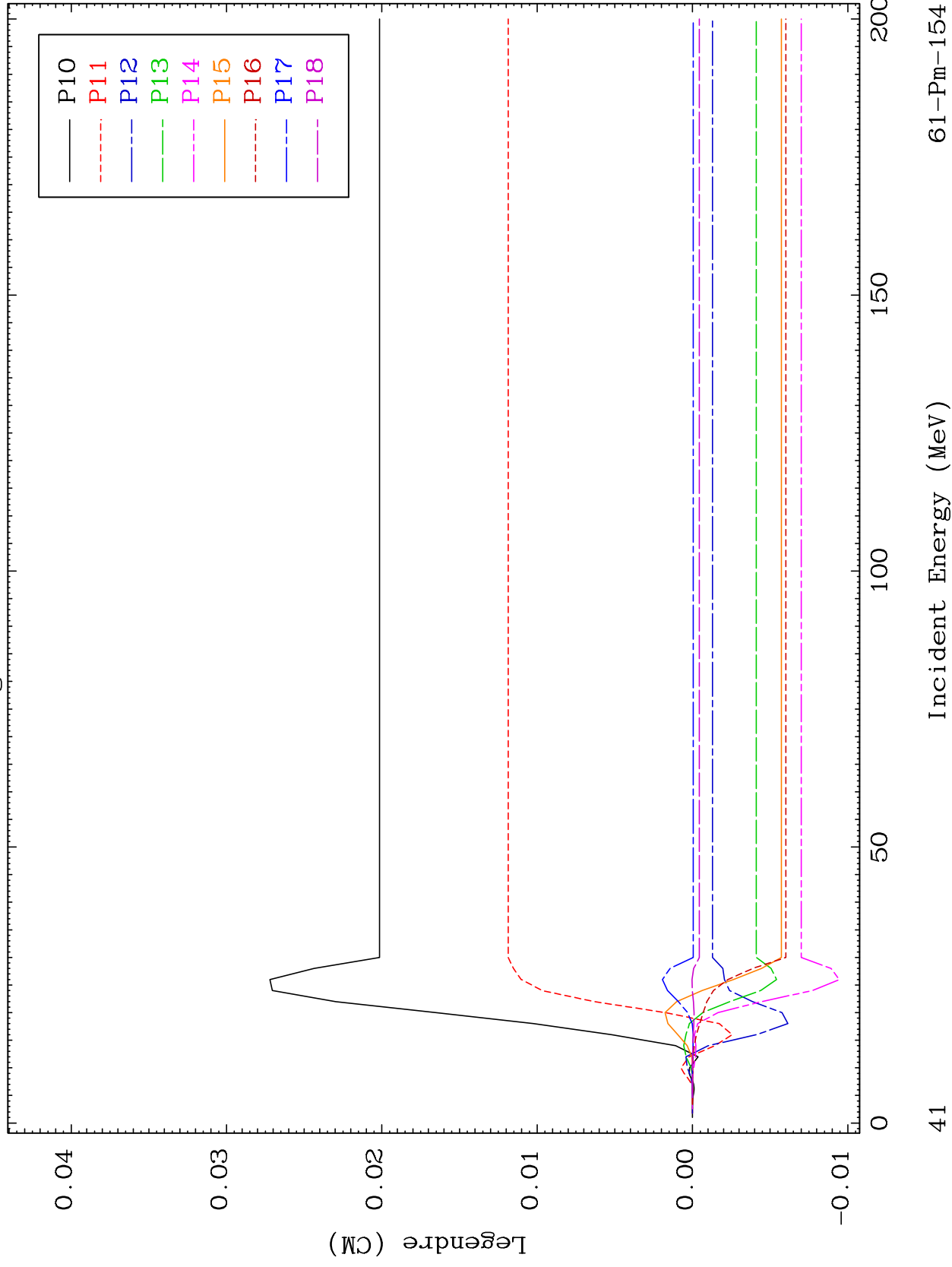




MAT 6170

251.6 keV (n,n') Level
Legendre Coefficients

61-Pm-154



41

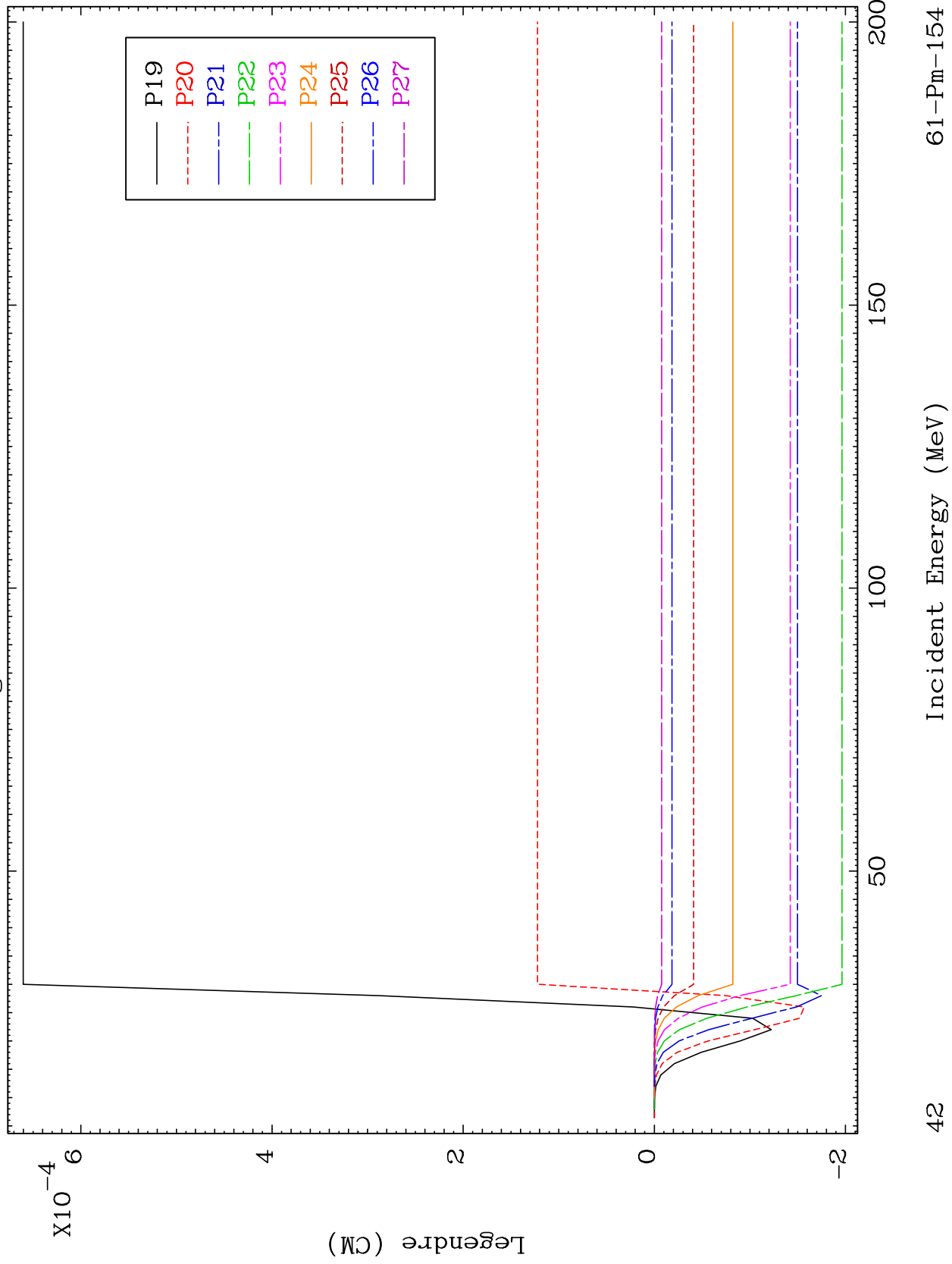
Incident Energy (MeV)

61-Pm-154

MAT 6170

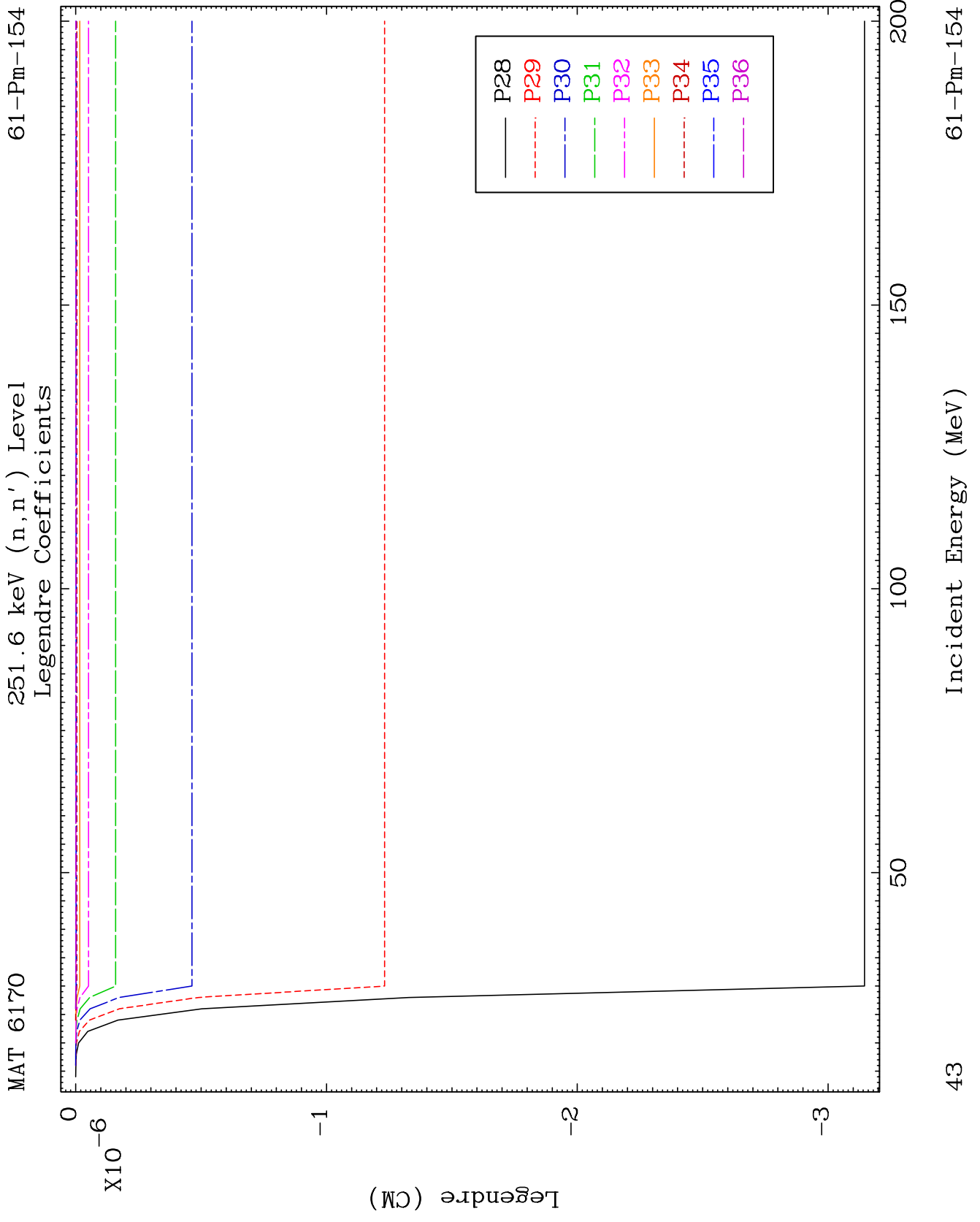
251.6 keV (n,n') Level
Legendre Coefficients

61-Pm-154



42

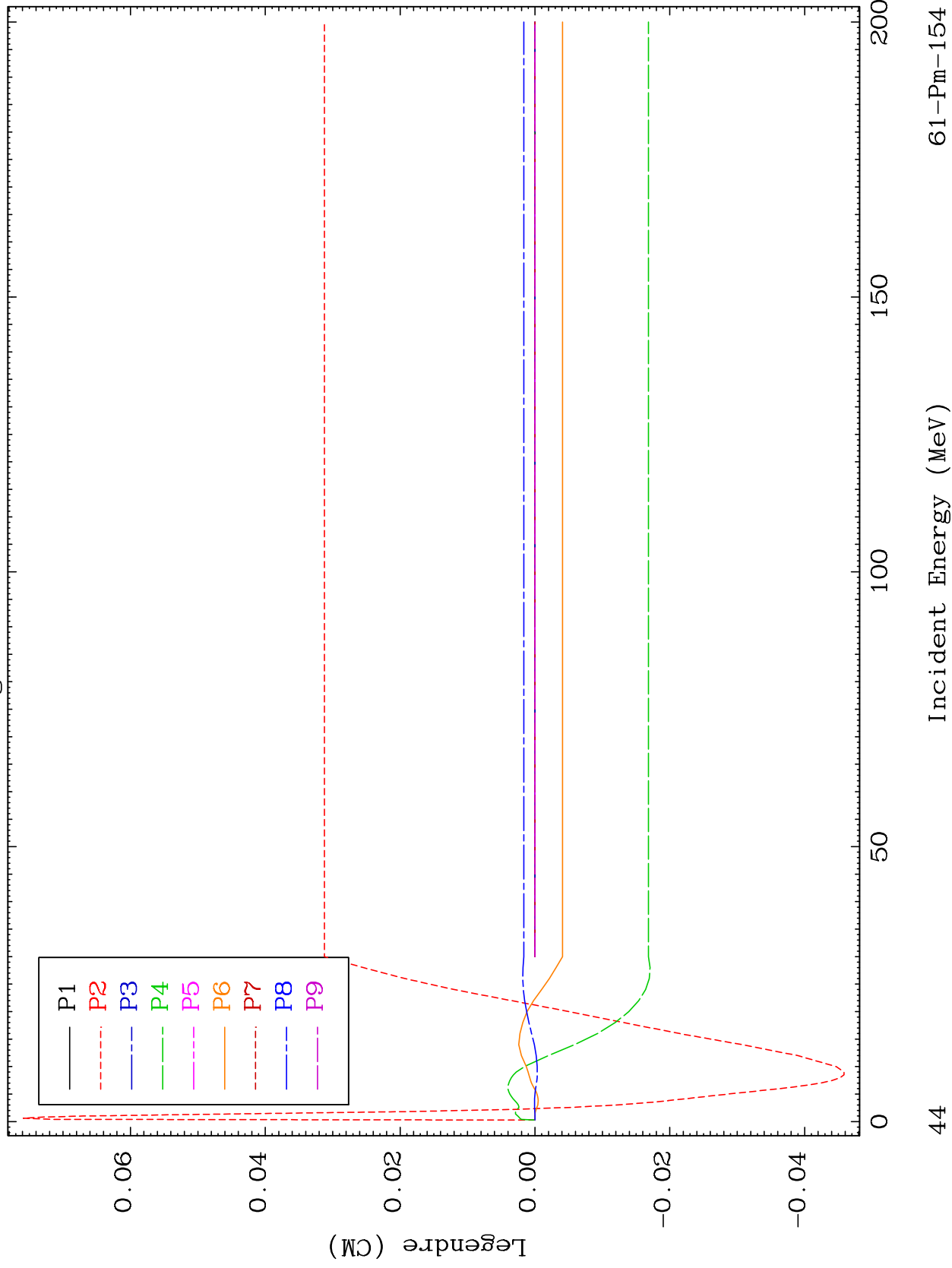
61-Pm-154



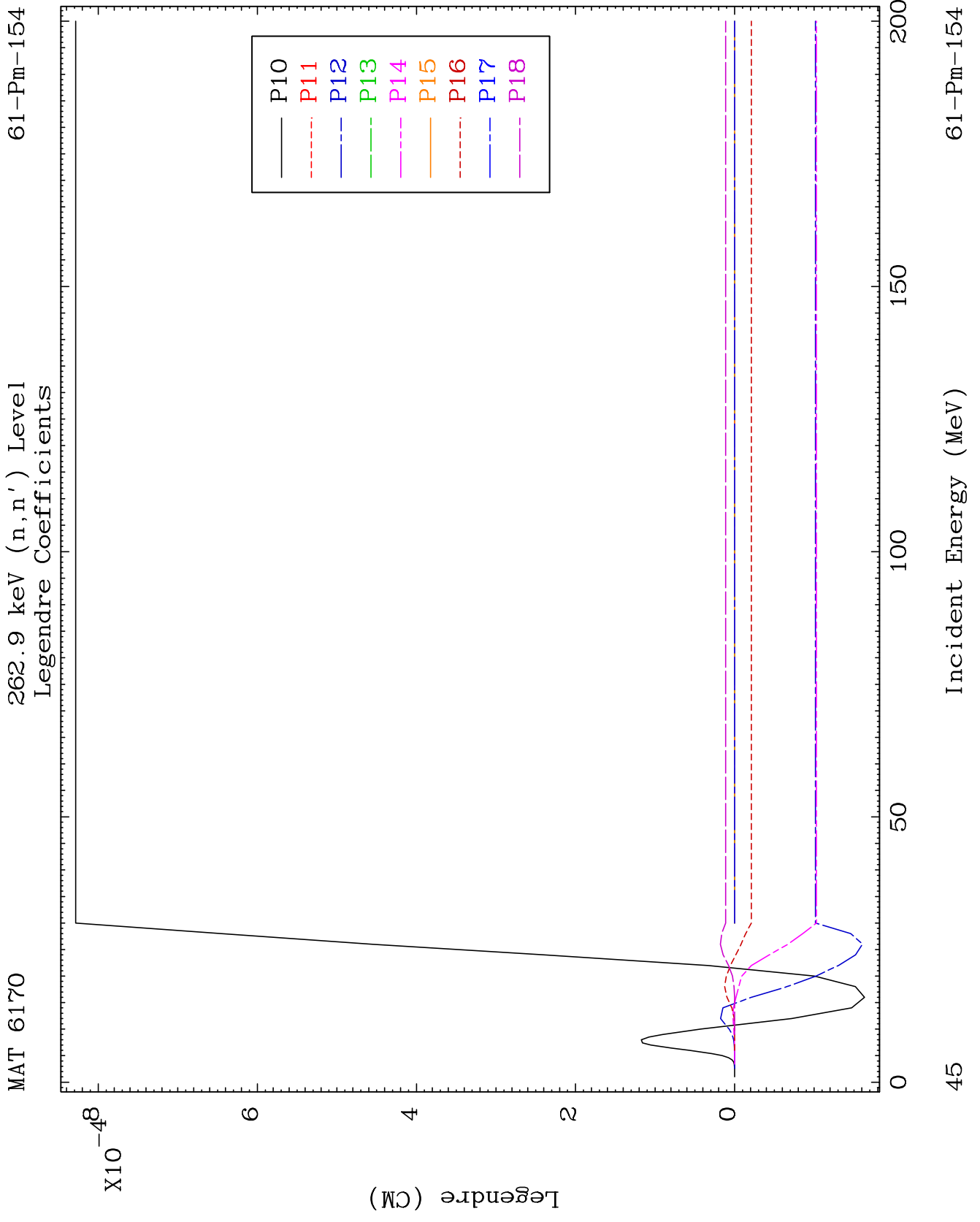
MAT 6170

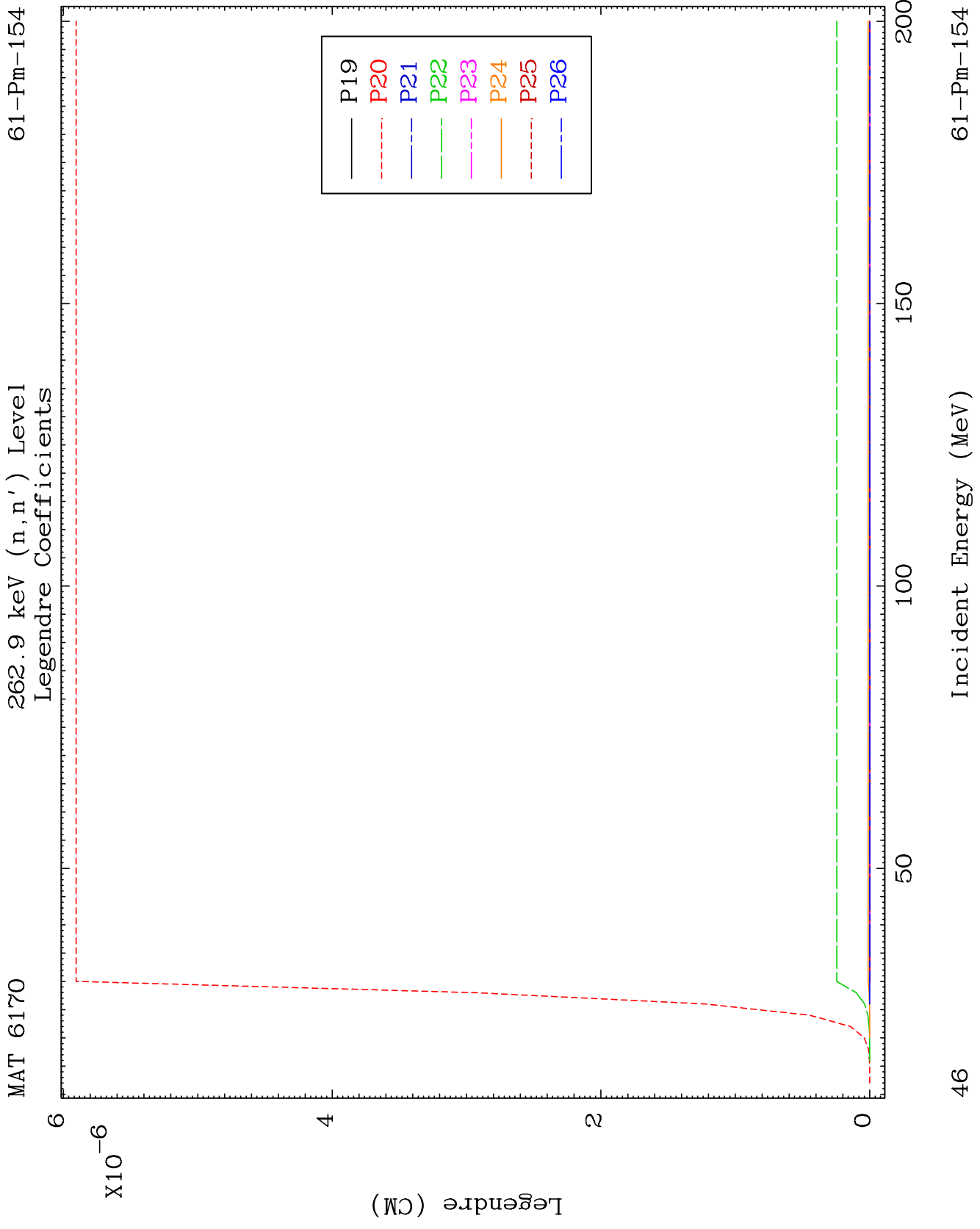
262.9 keV (n,n') Level
Legendre Coefficients

61-Pm-154



44

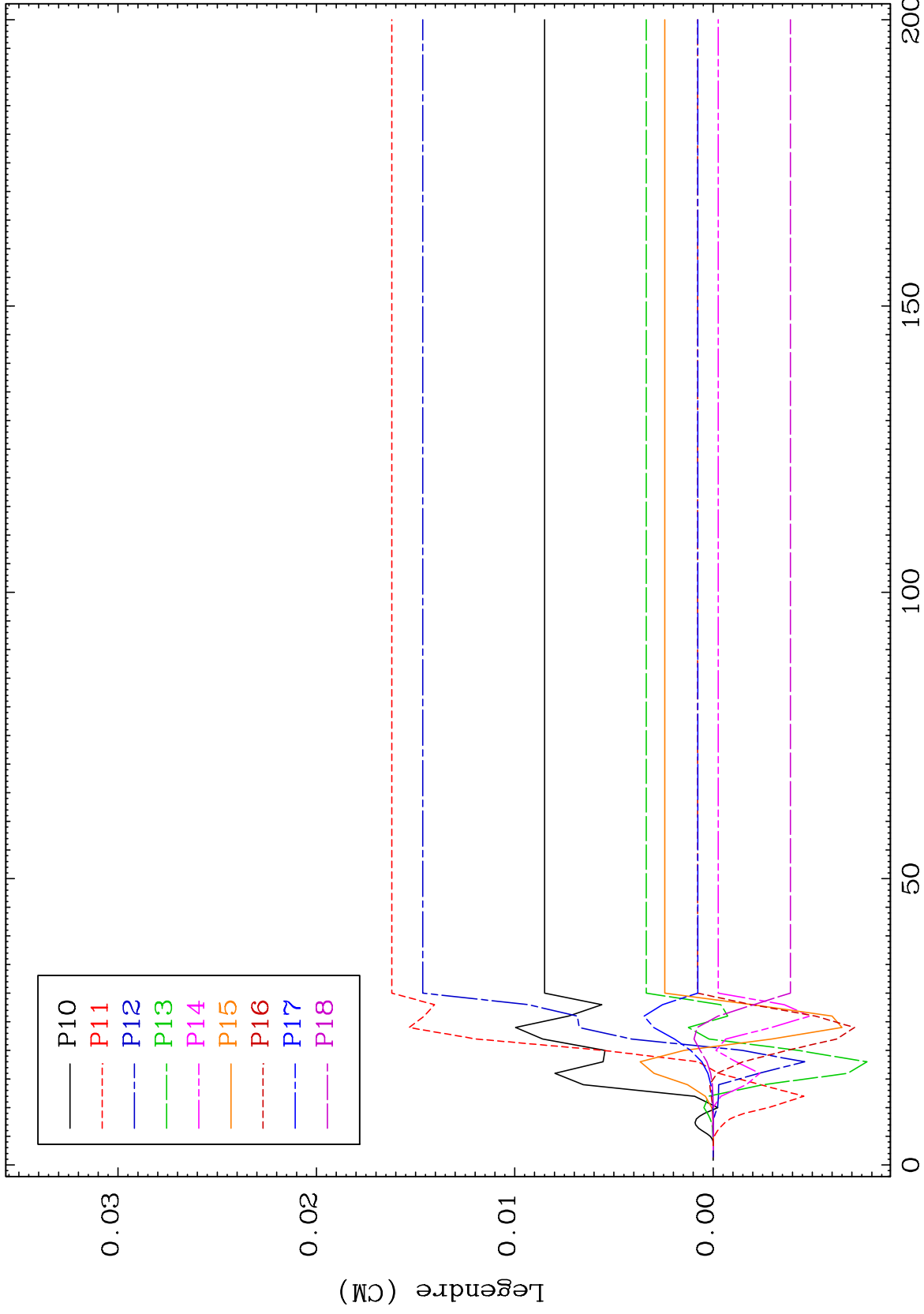




MAT 6170

273.3 keV (n,n') Level
Legendre Coefficients

61-Pm-154



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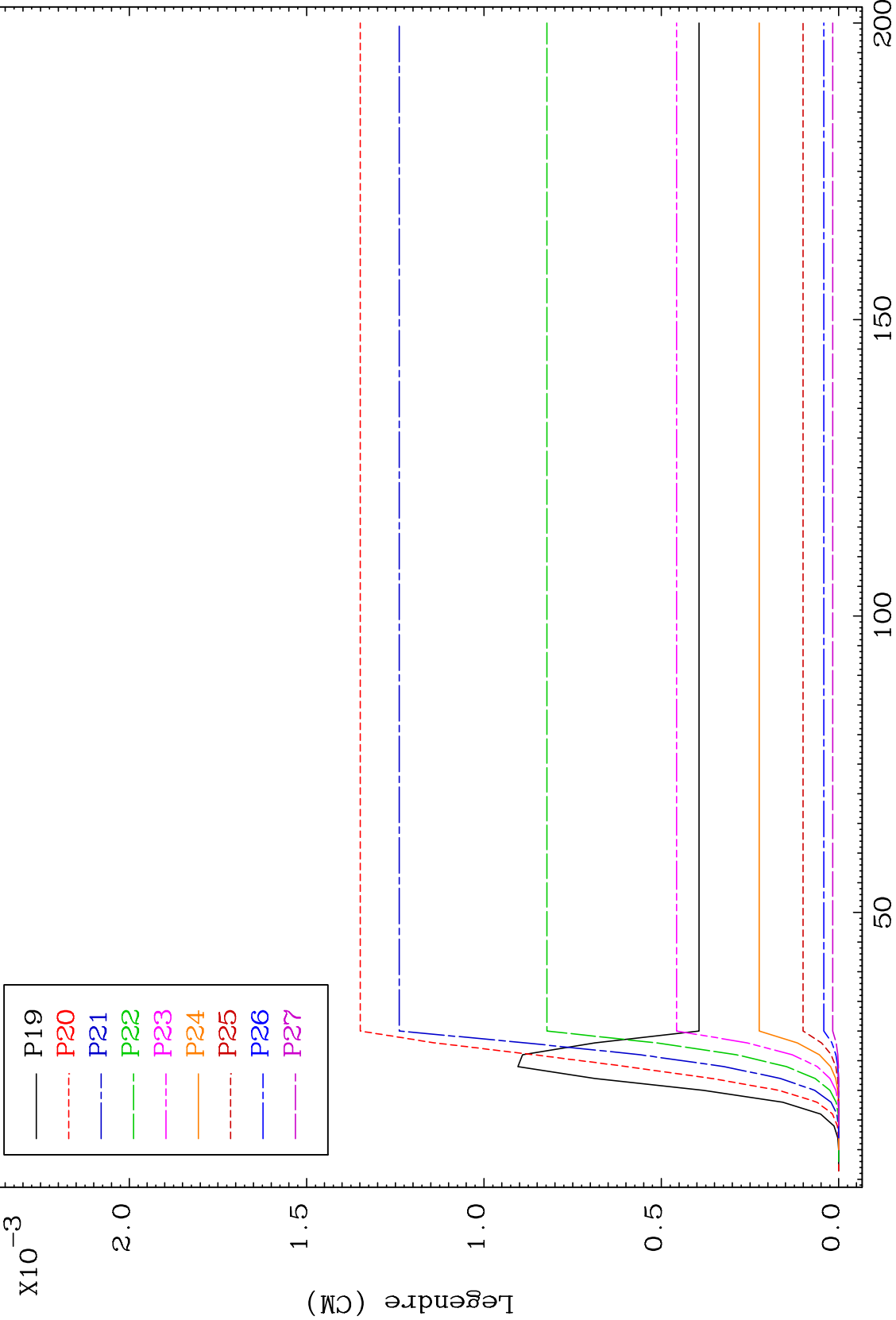
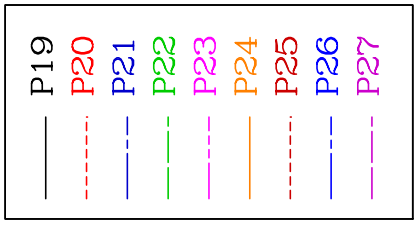
Incident Energy (MeV)

61-Pm-154

MAT 6170

273.3 keV (n,n') Level
Legendre Coefficients

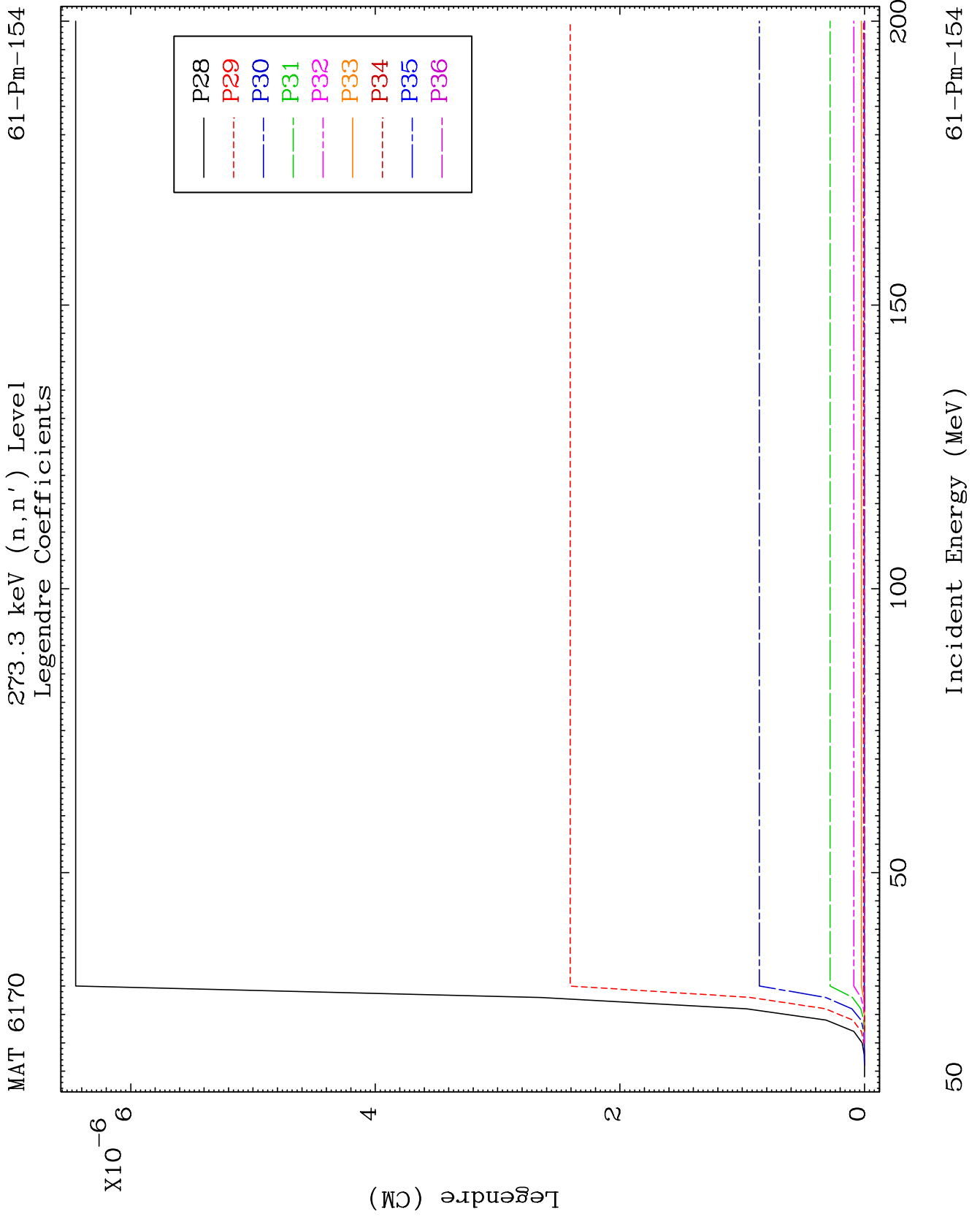
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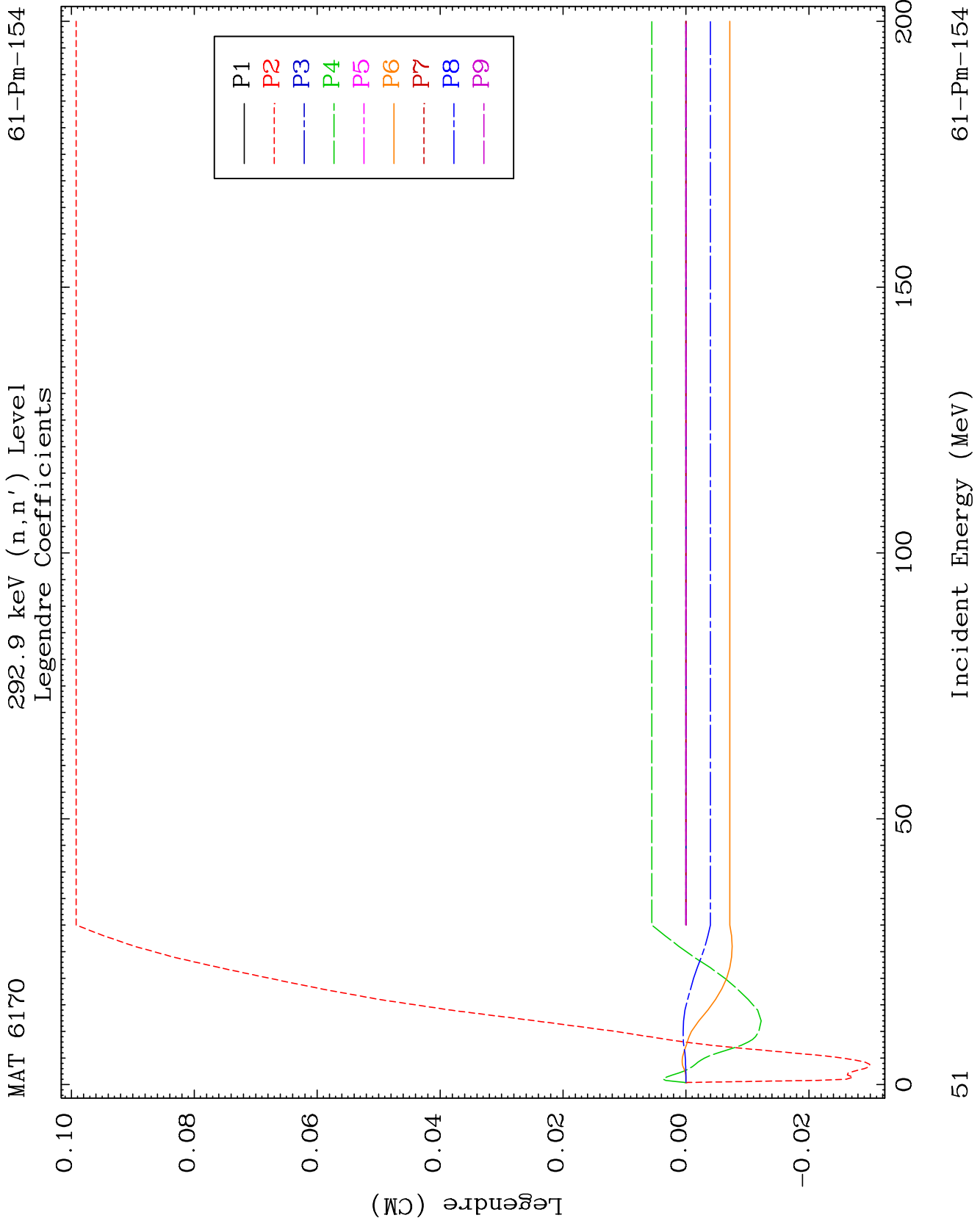


49

Incident Energy (MeV)

61-Pm-154

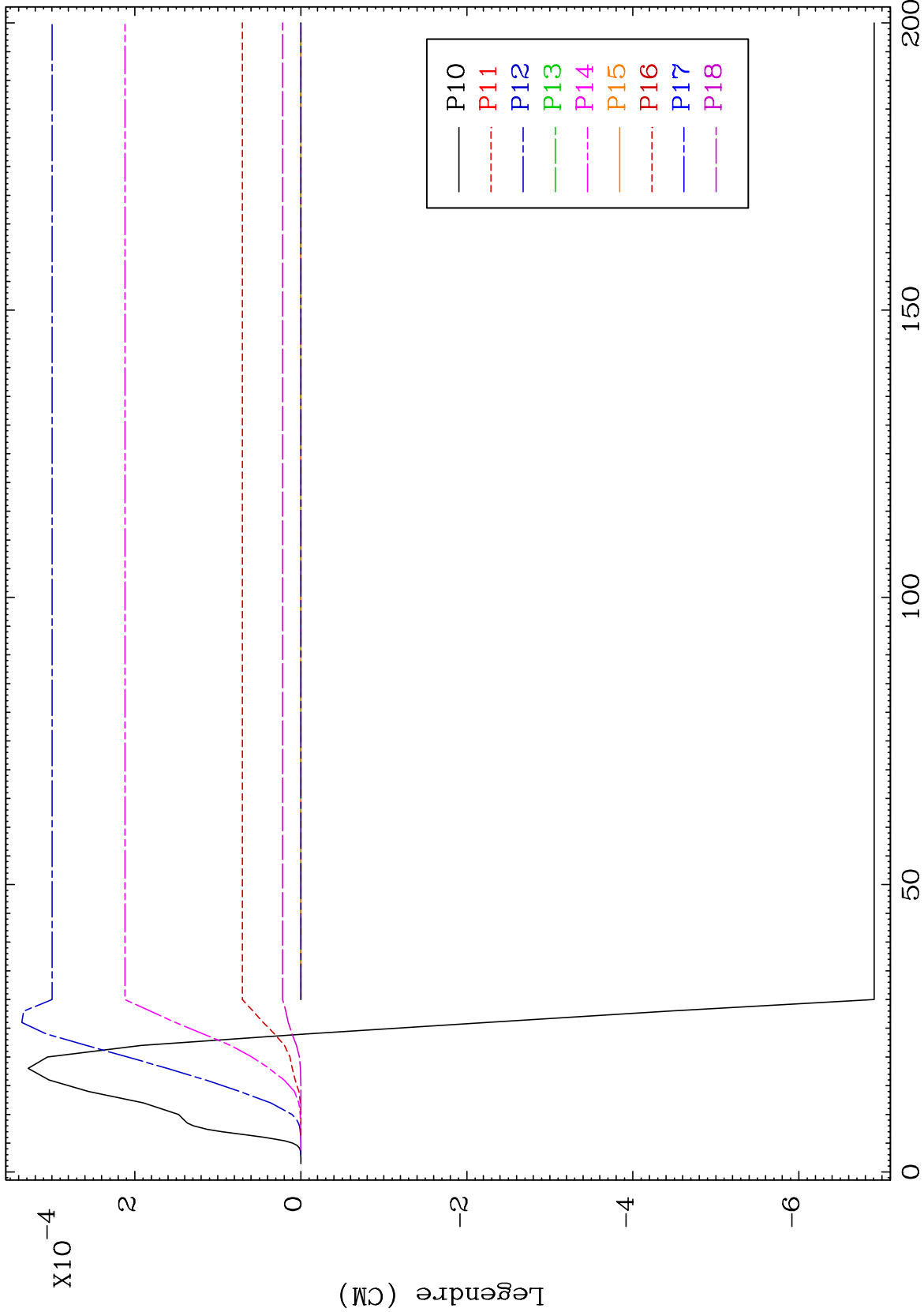




MAT 6170

292.9 keV (n,n') Level
Legendre Coefficients

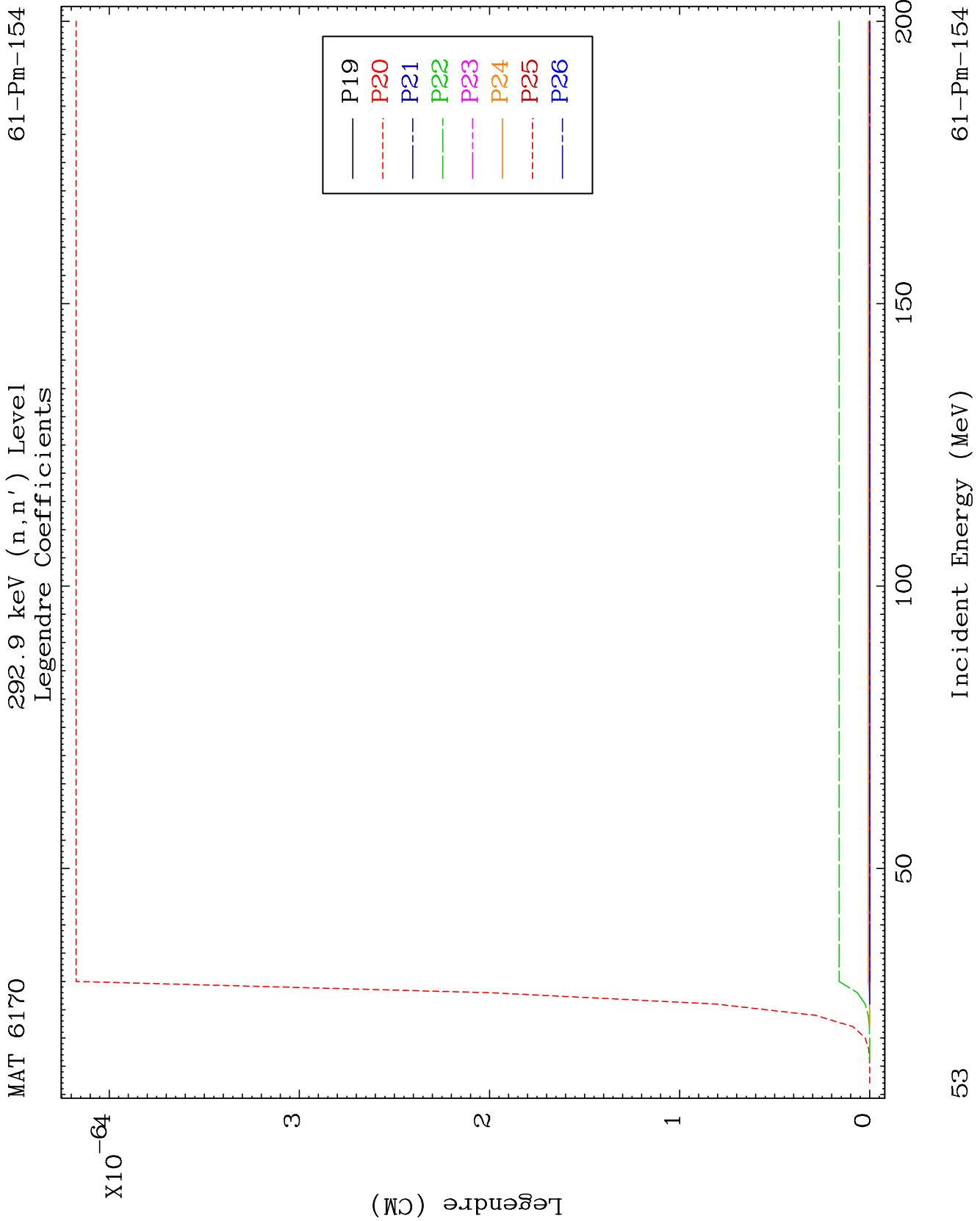
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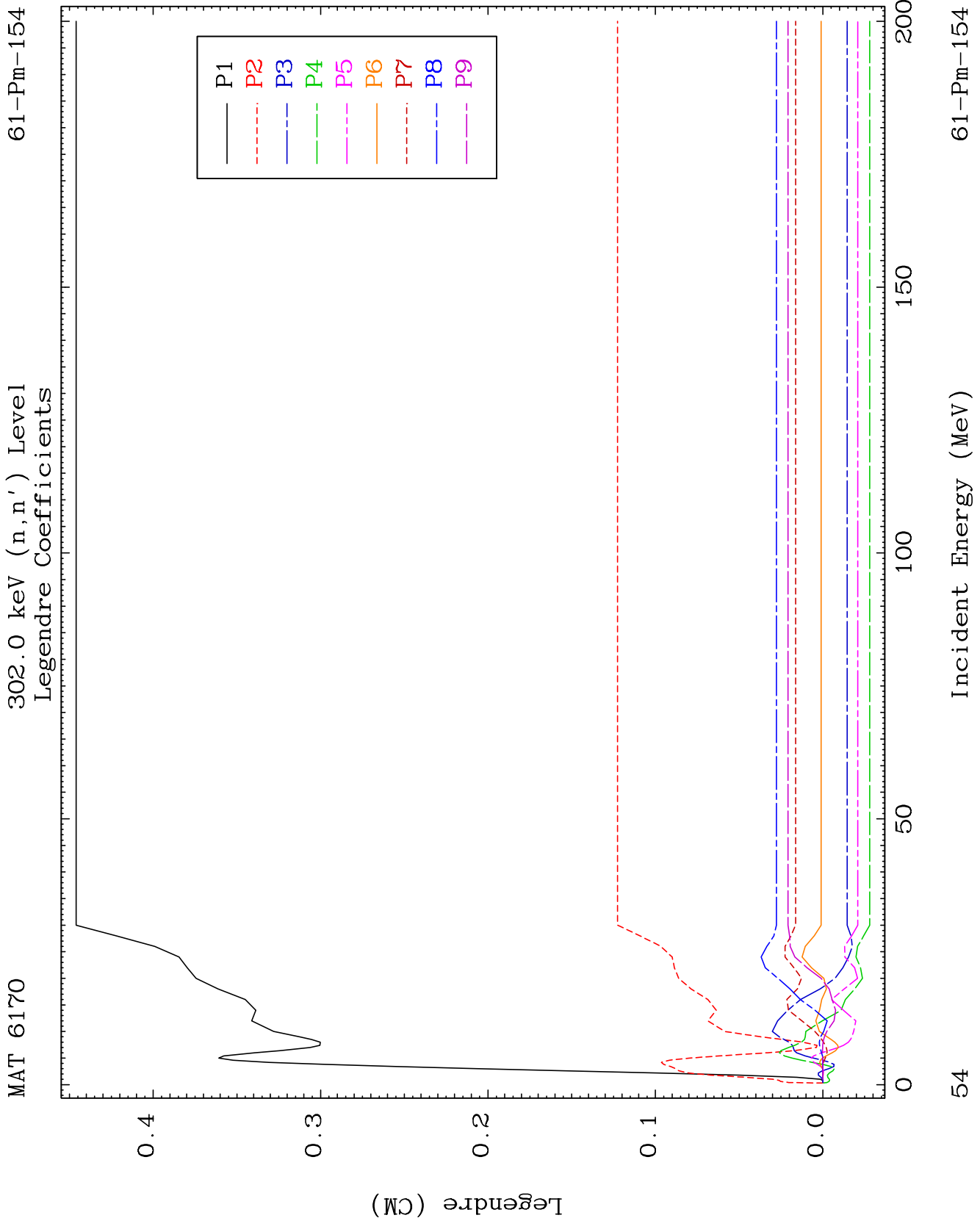


52

Incident Energy (MeV)

61-Pm-154

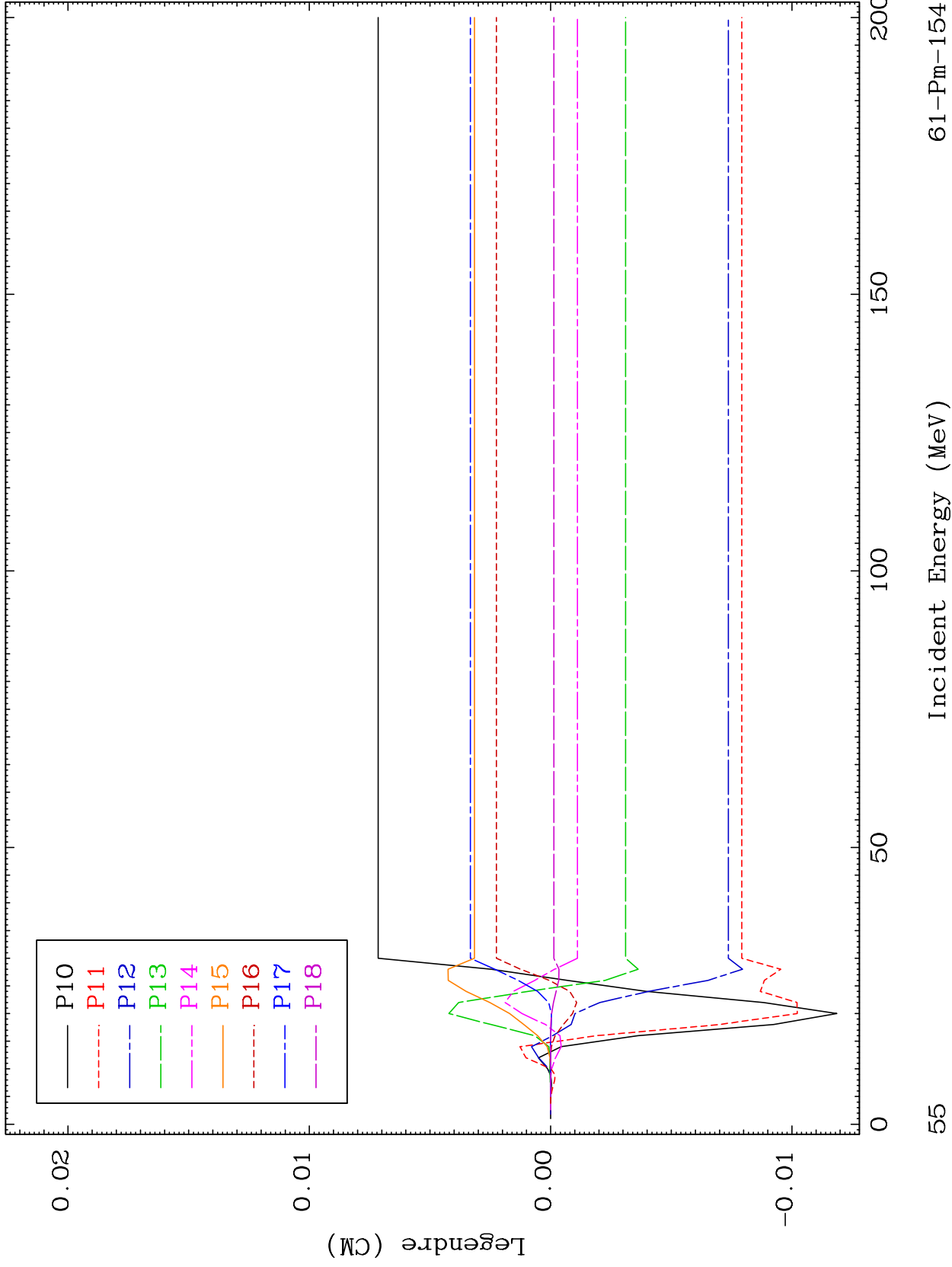




MAT 6170

302.0 keV (n,n') Level
Legendre Coefficients

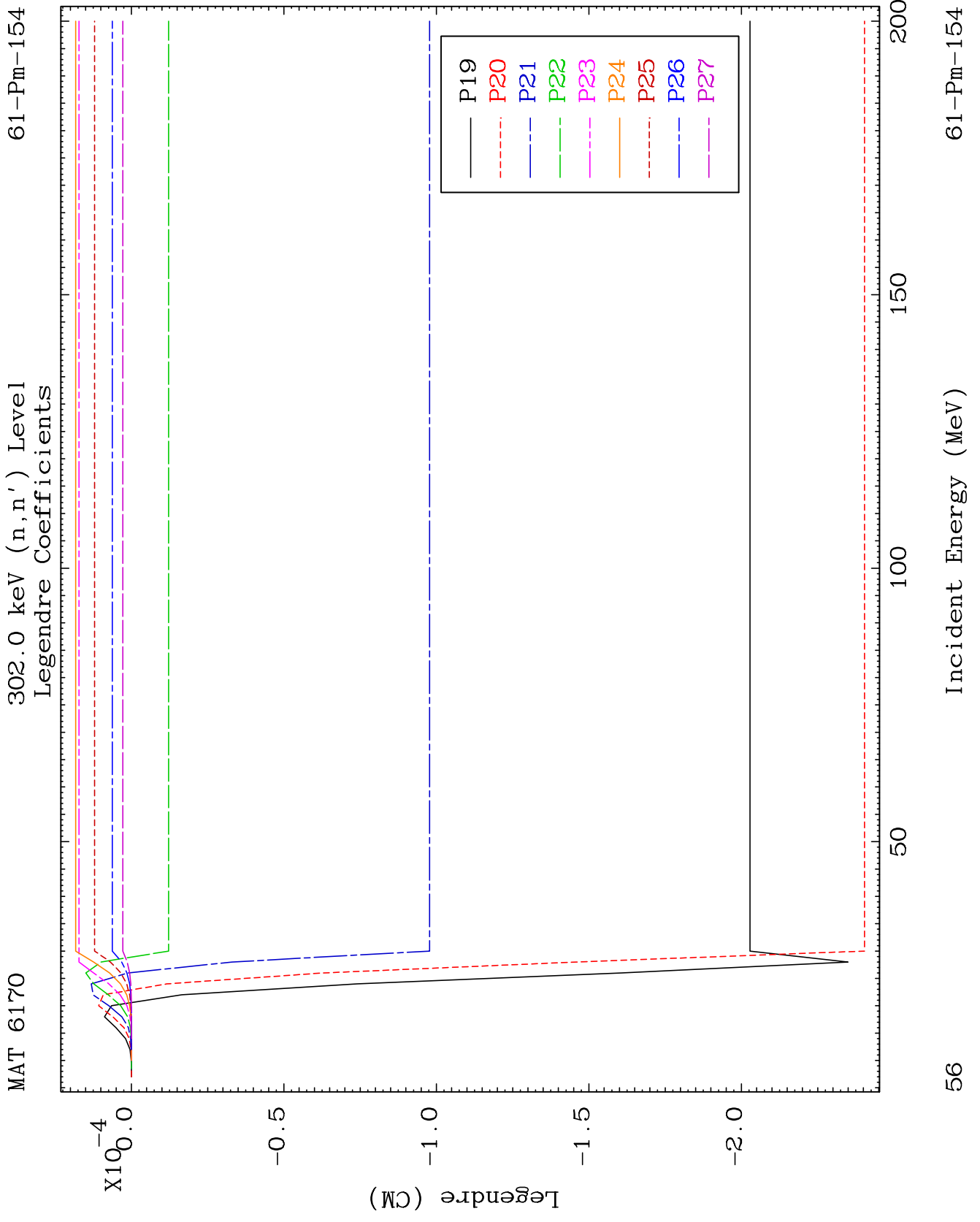
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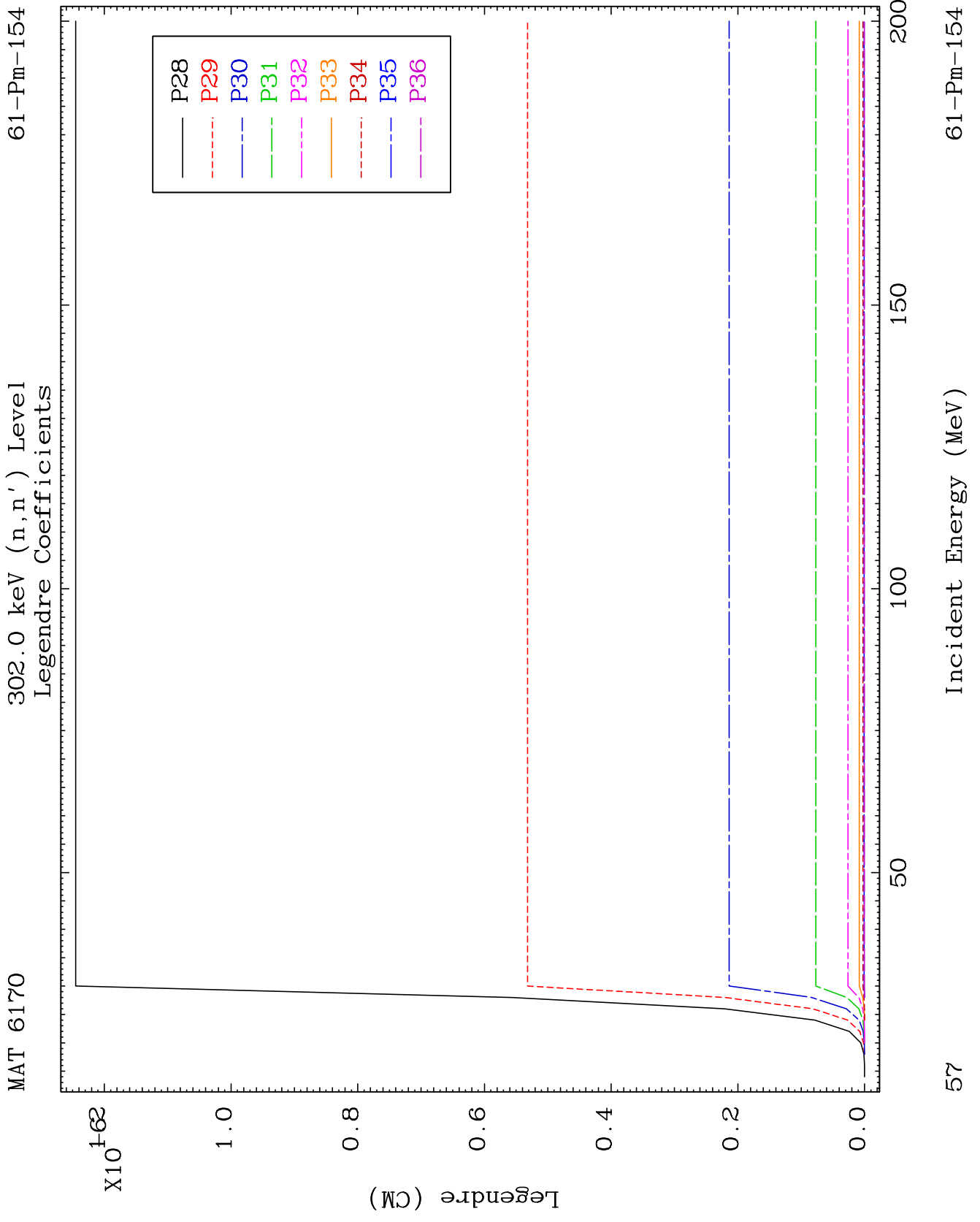


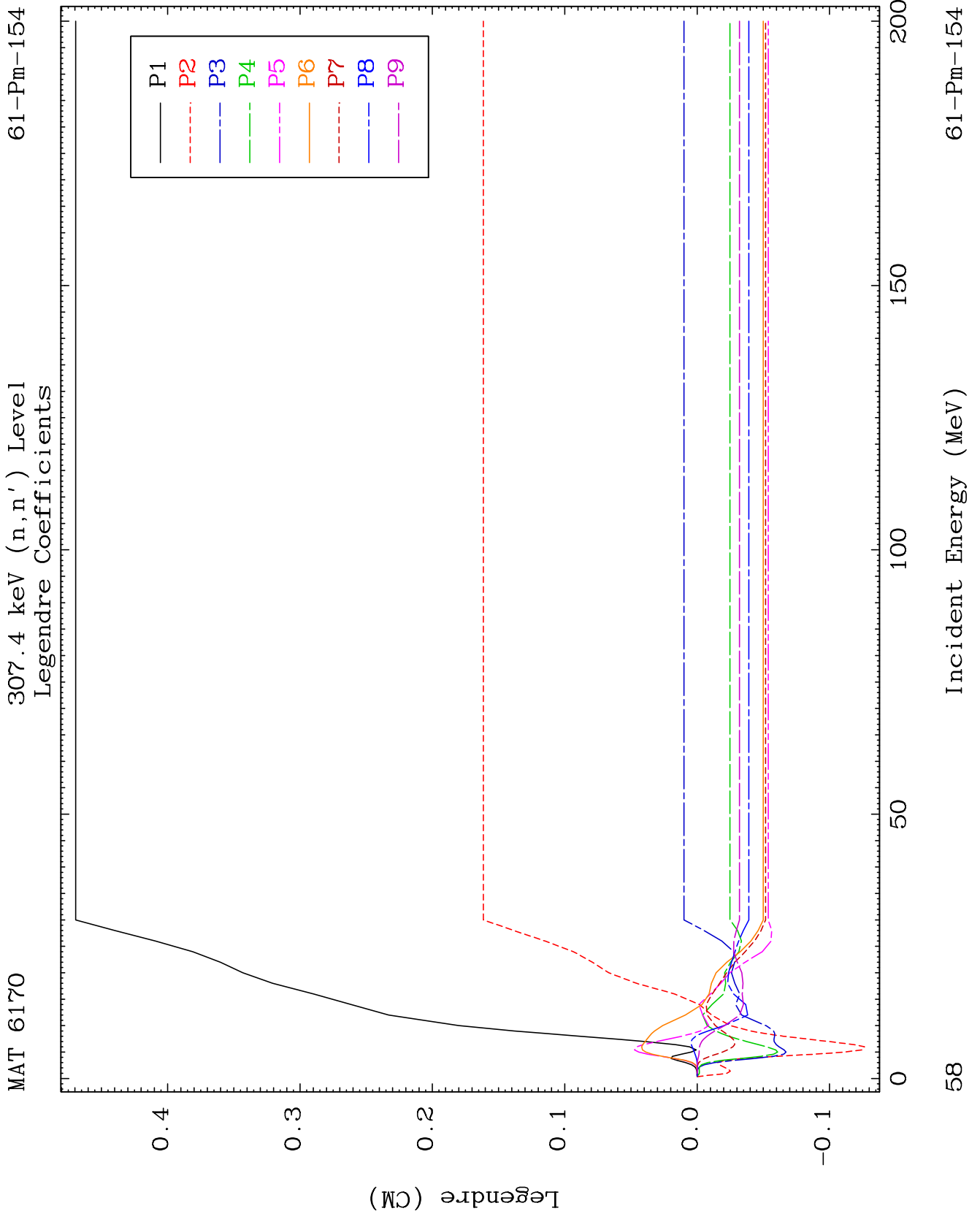
61-Pm-154

Incident Energy (MeV)

55



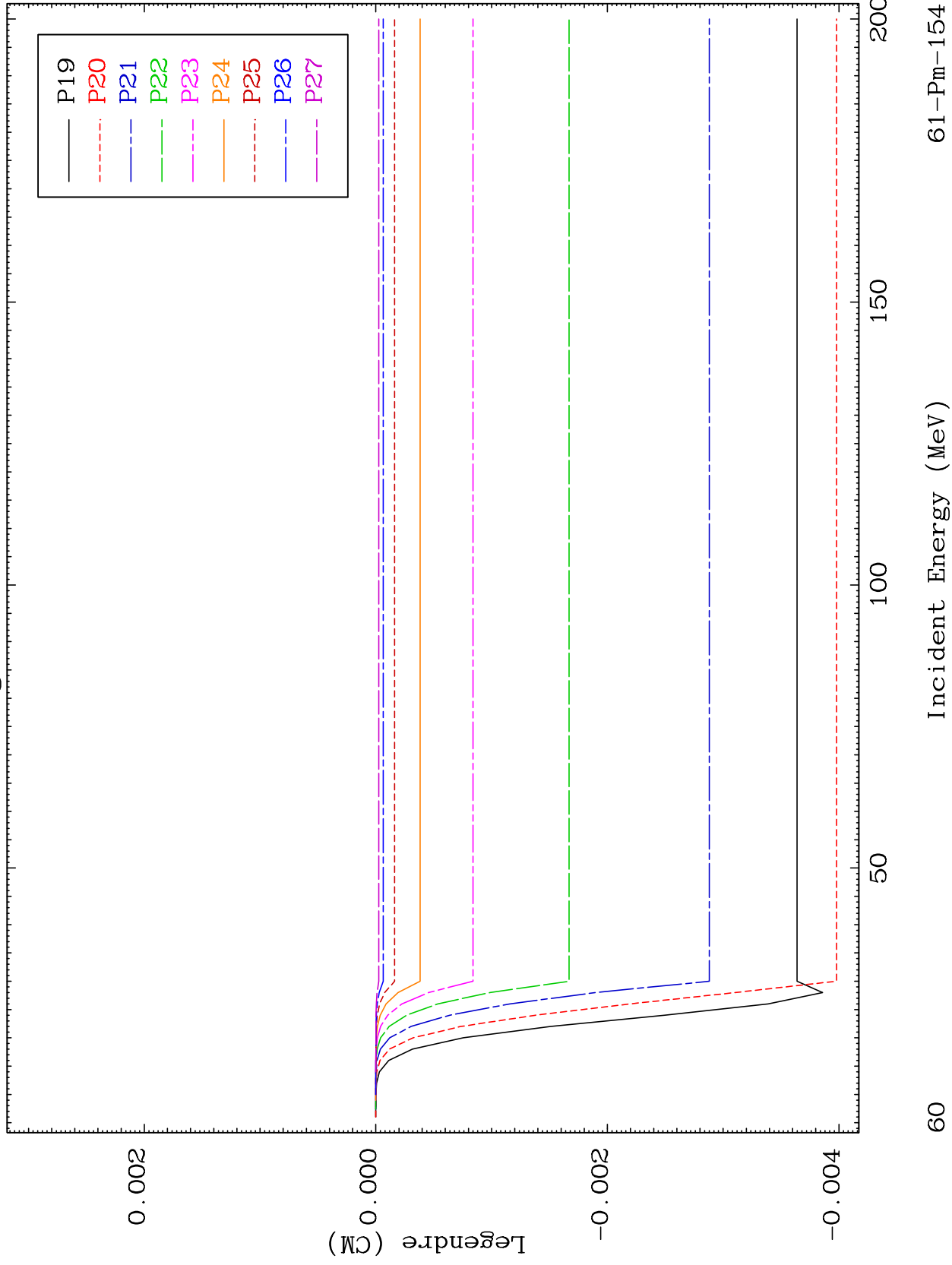




MAT 6170

307.4 keV (n,n') Level
Legendre Coefficients

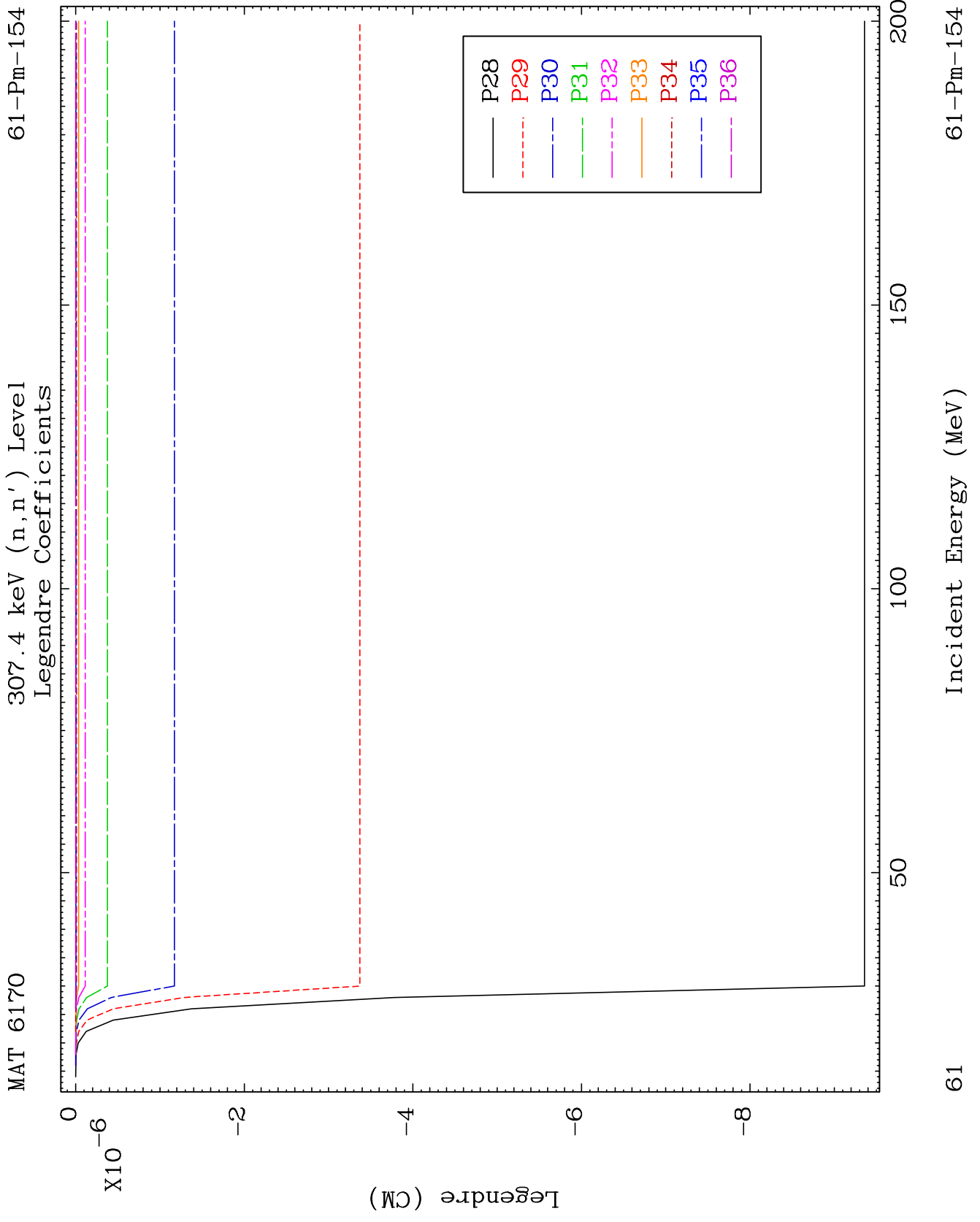
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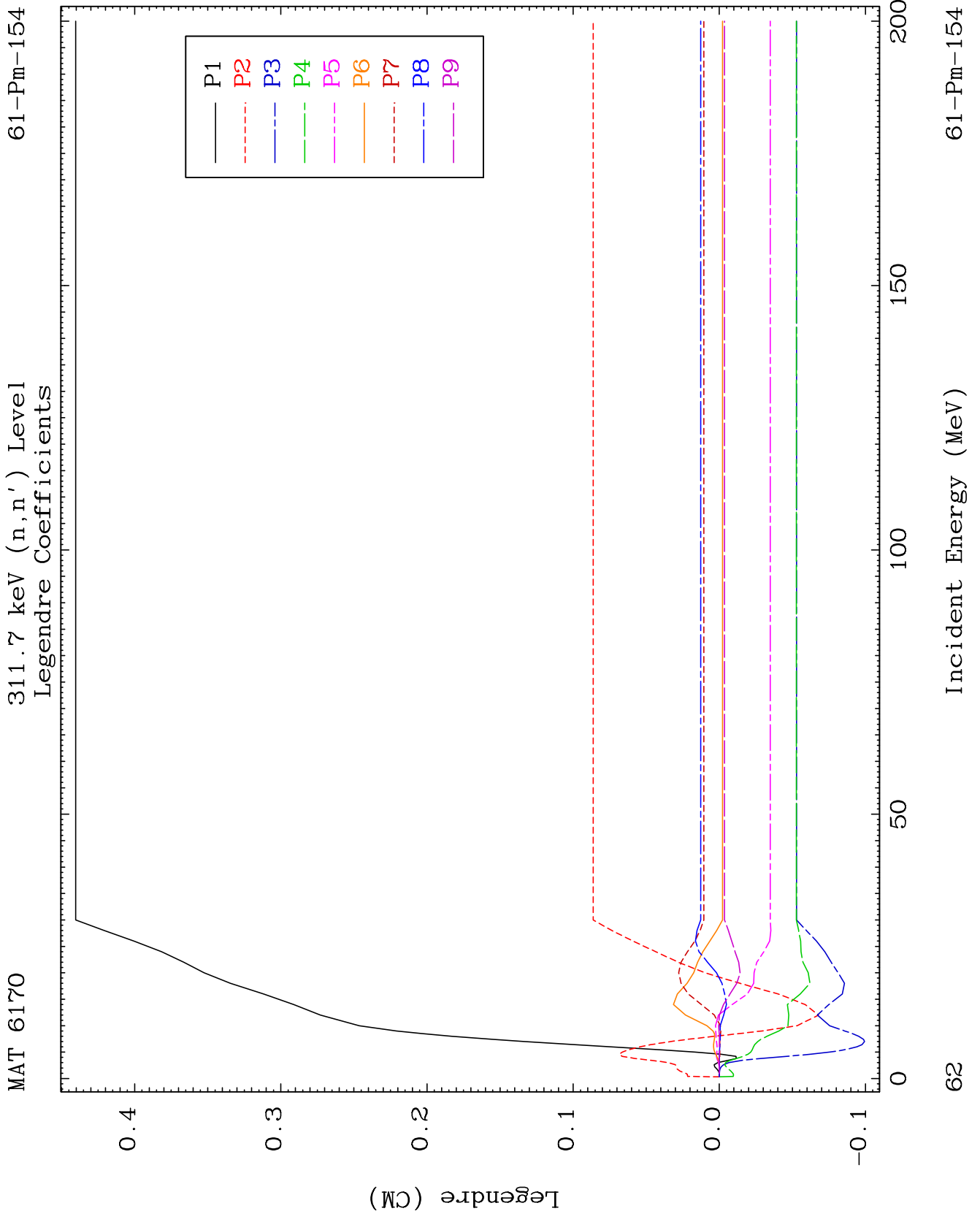


61-Pm-154

Incident Energy (MeV)

60

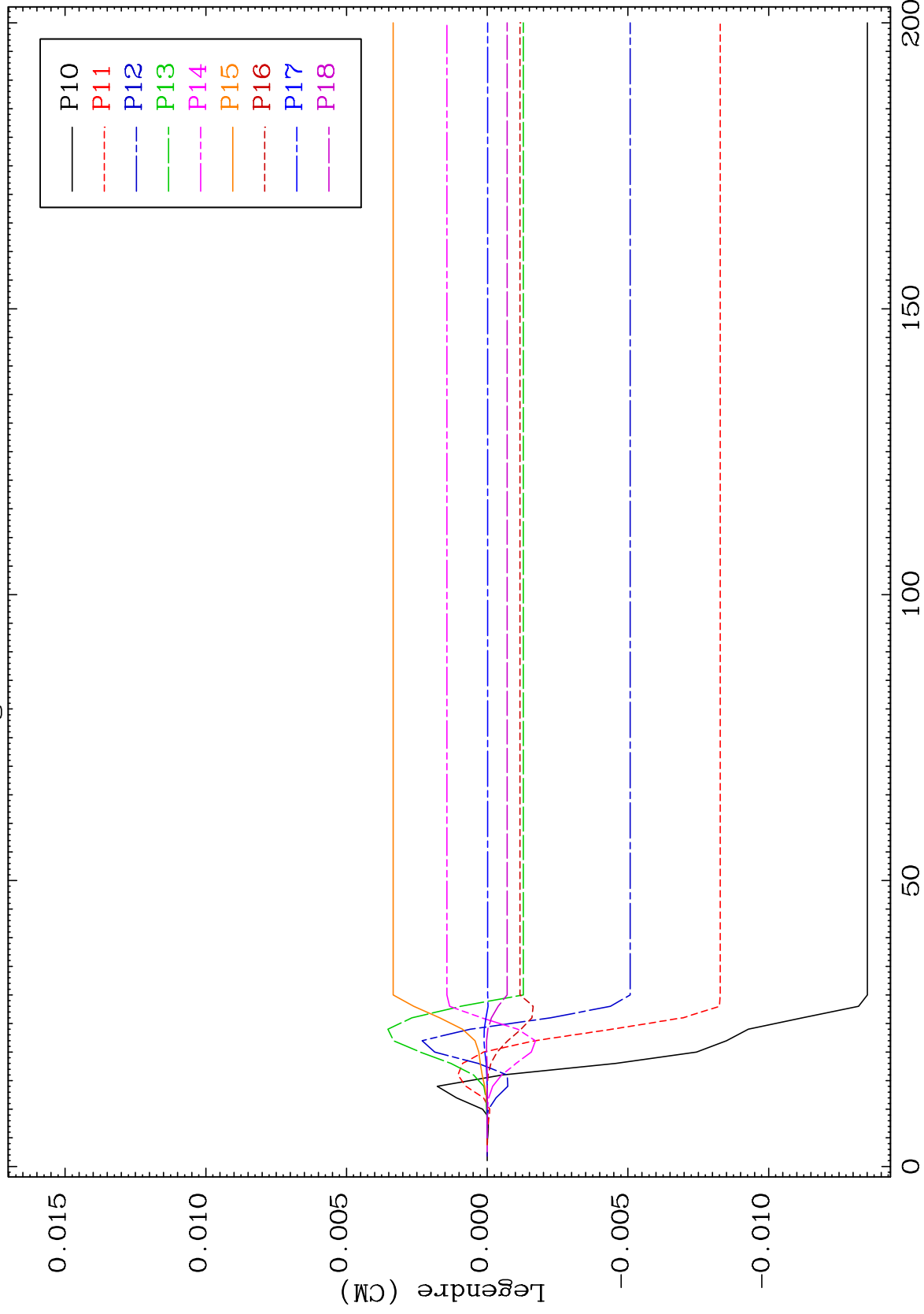




MAT 6170

311.7 keV (n,n') Level
Legendre Coefficients

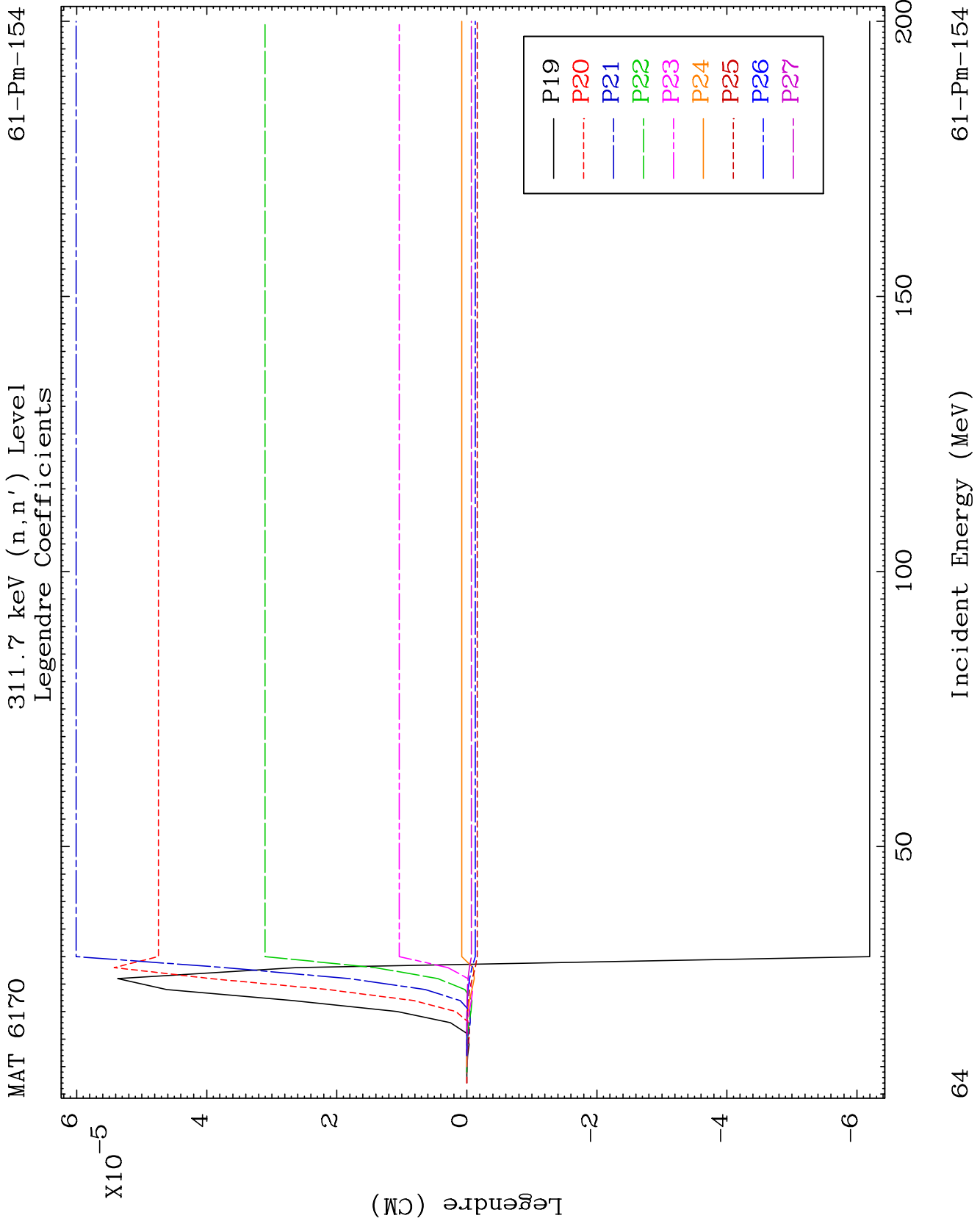
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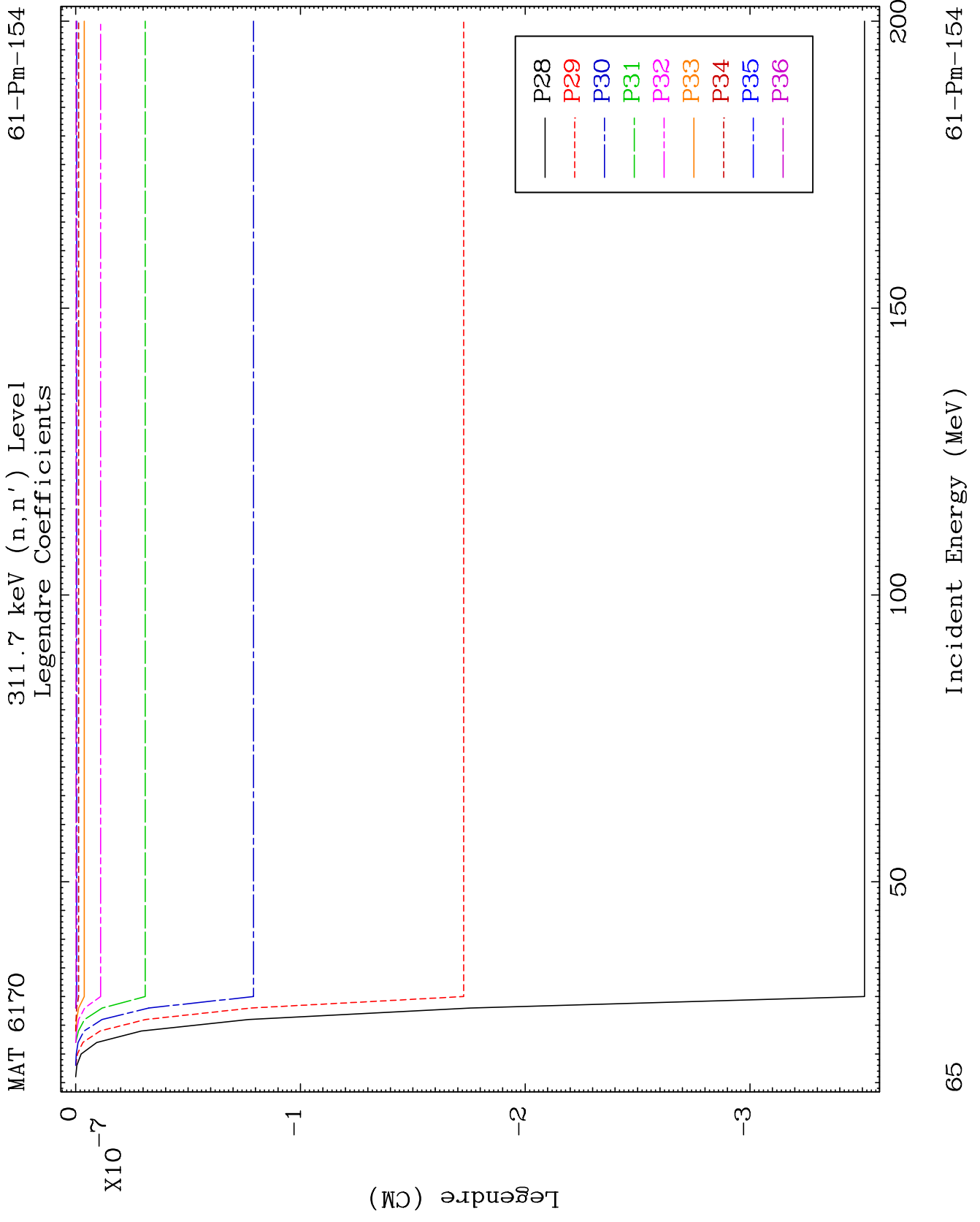


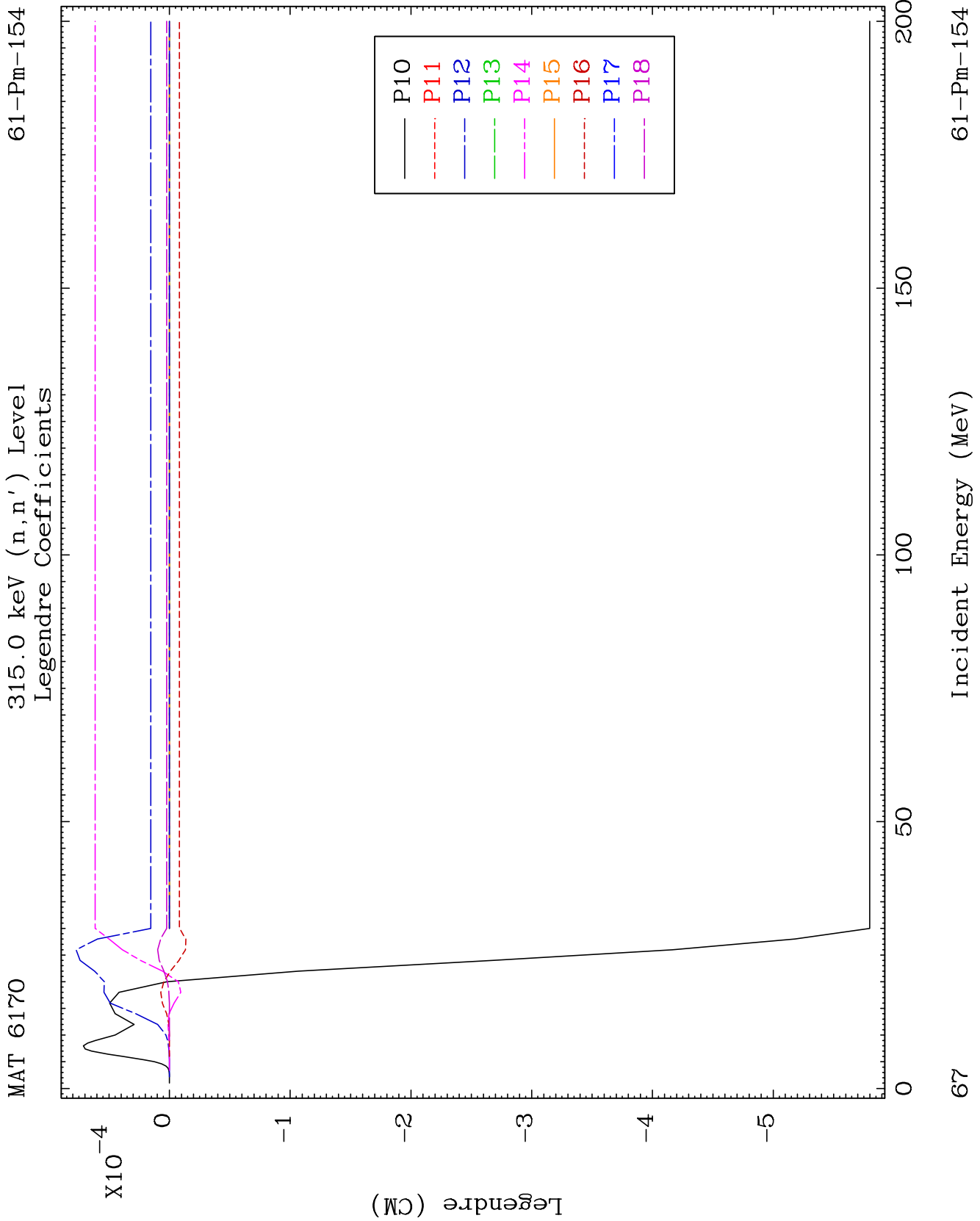
63

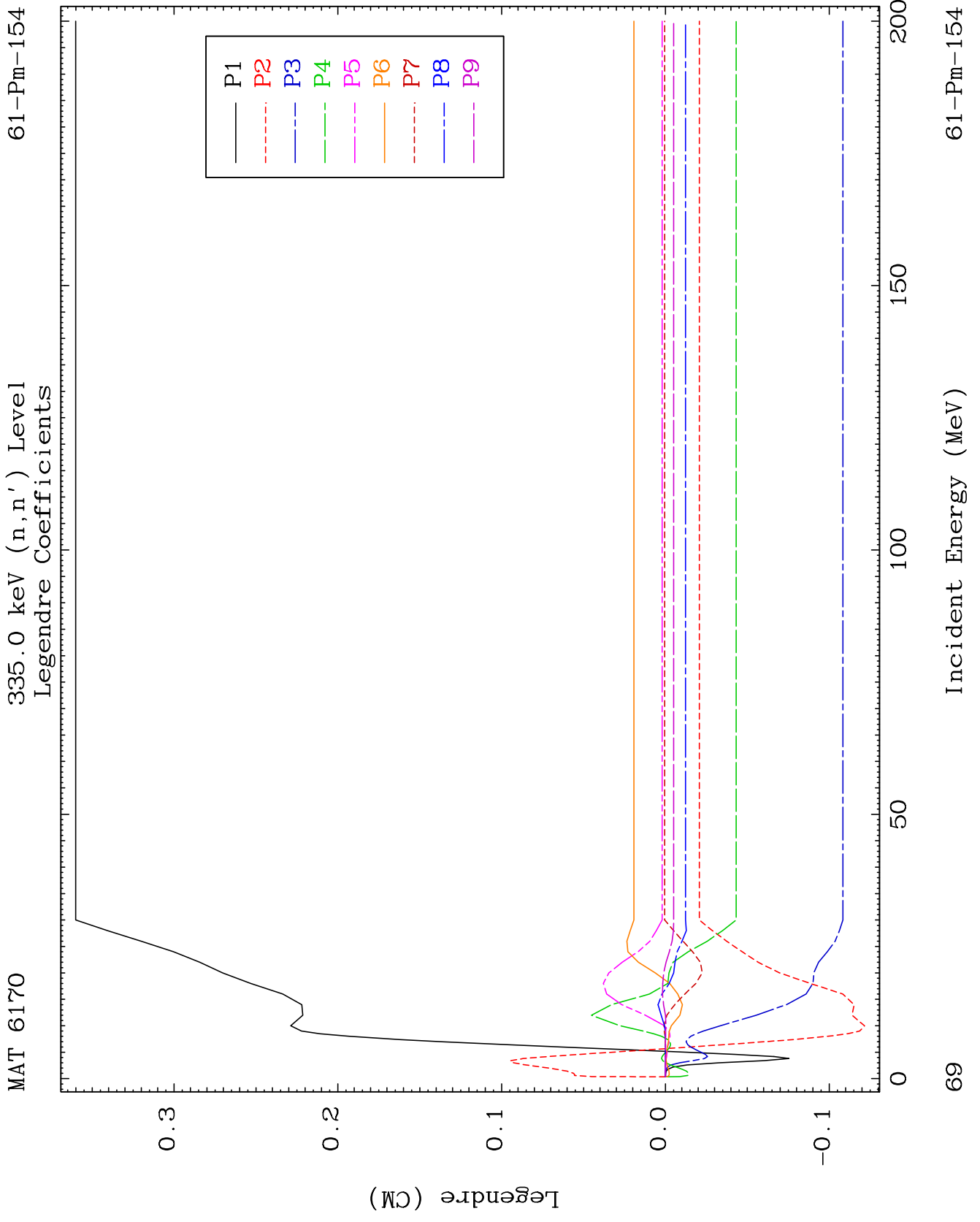
Incident Energy (MeV)

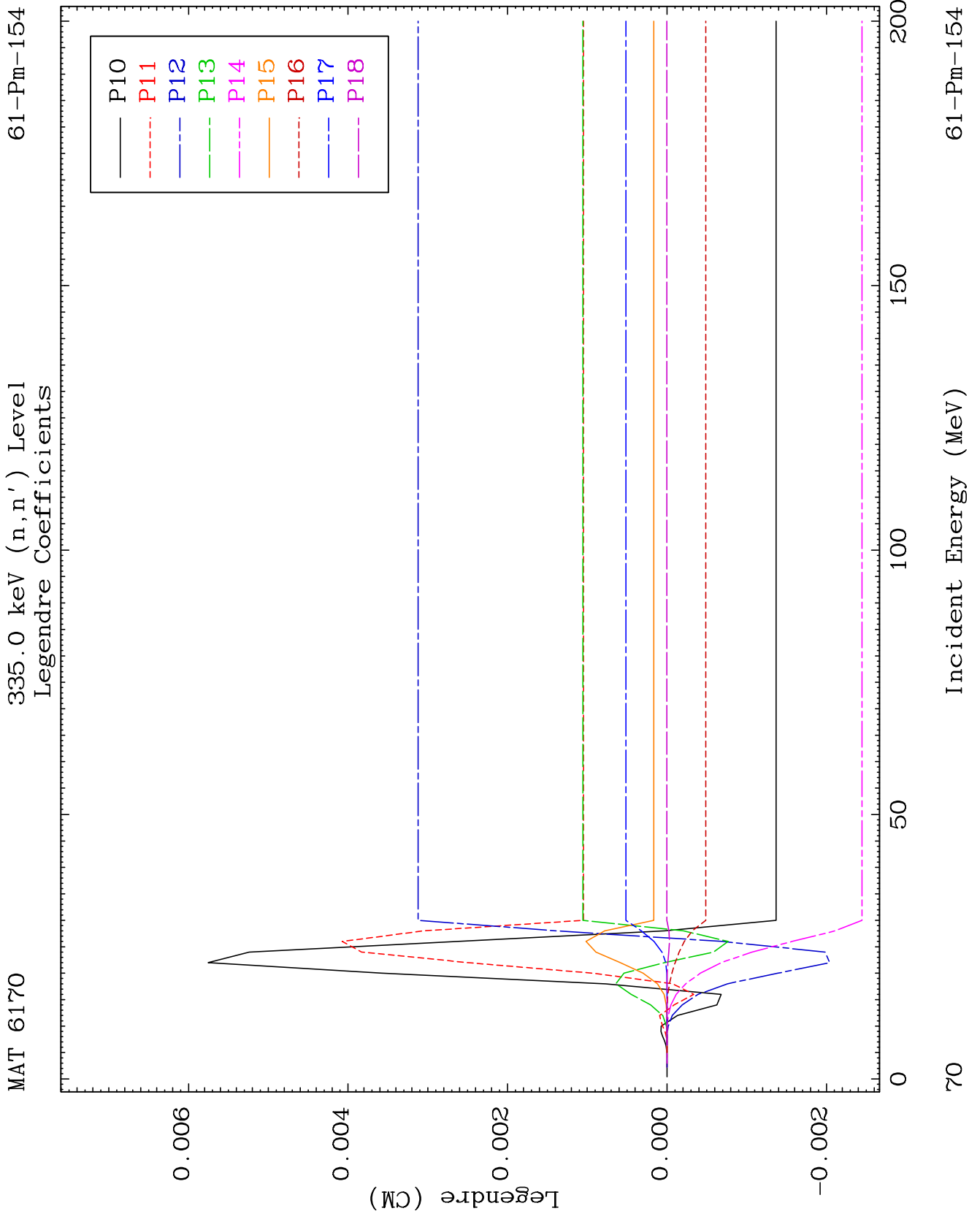
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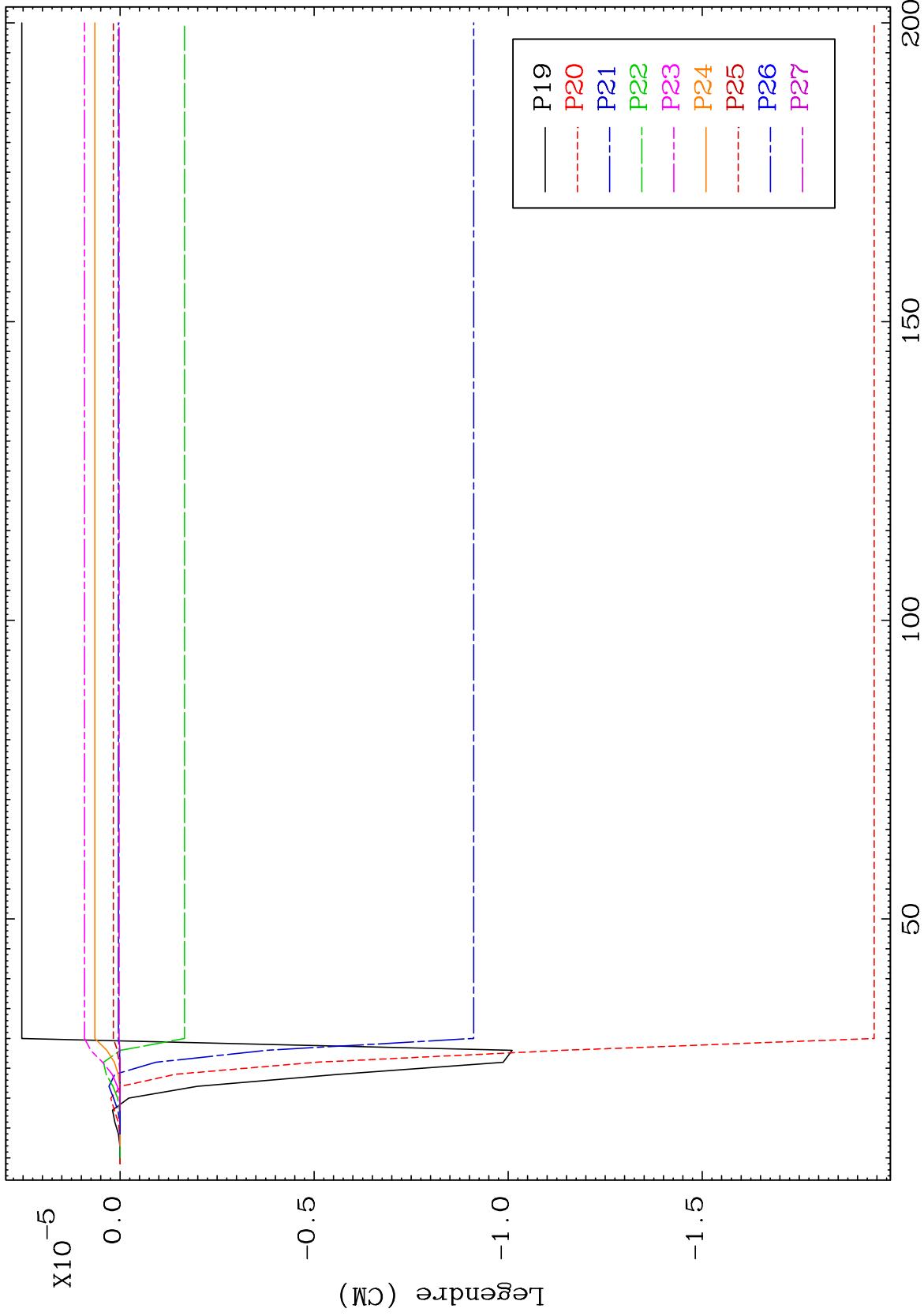




MAT 6170

335.0 keV (n,n') Level
Legendre Coefficients

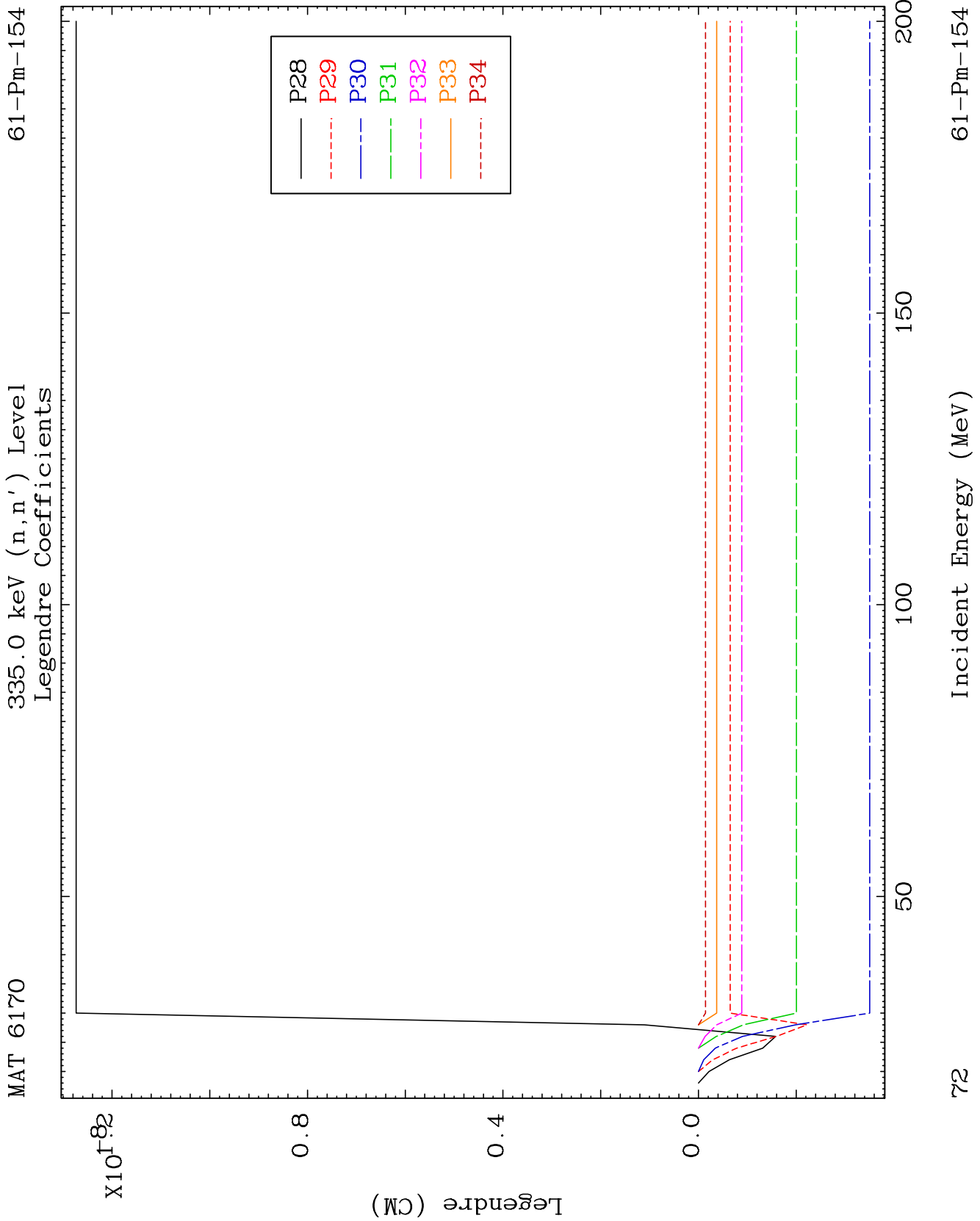
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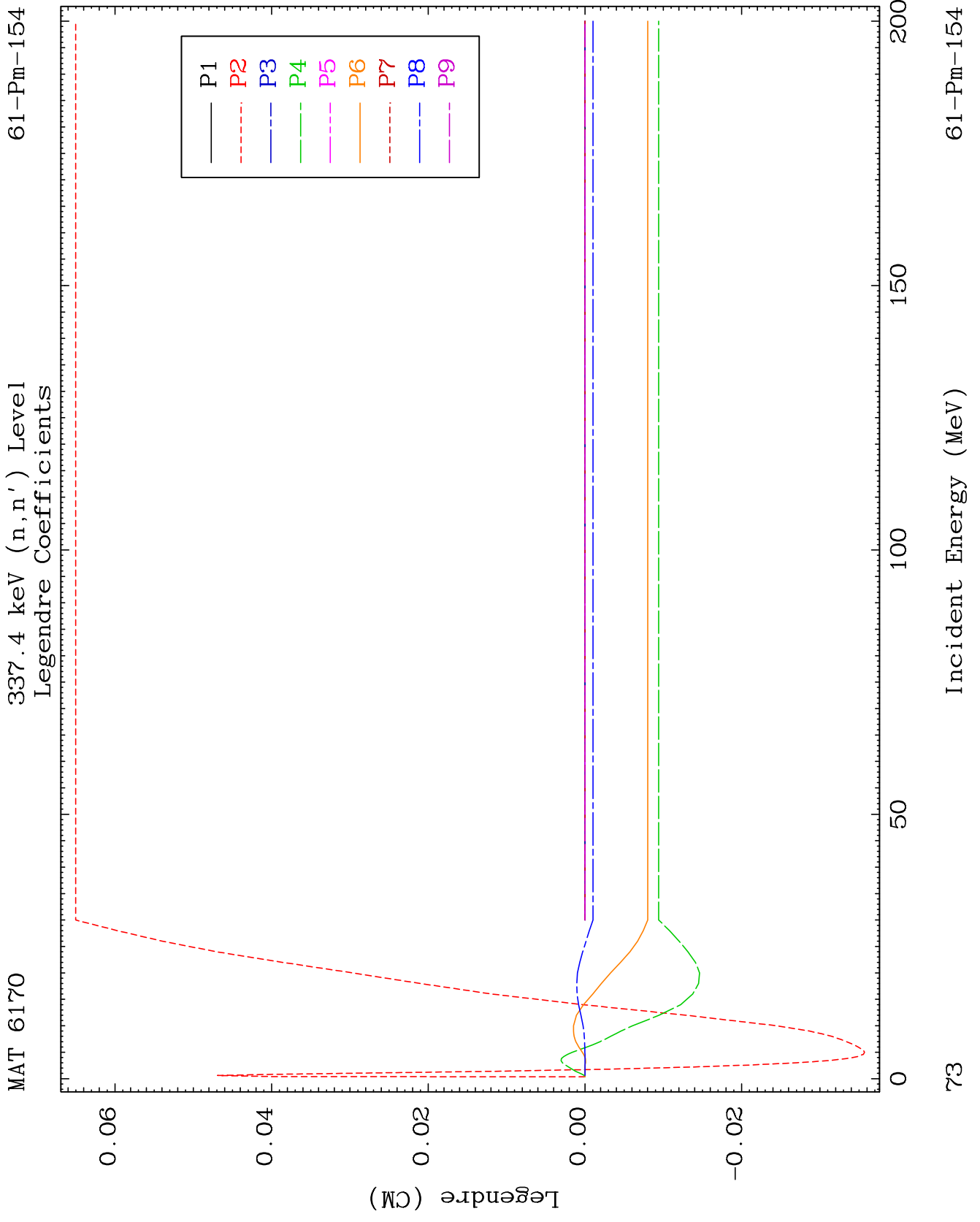


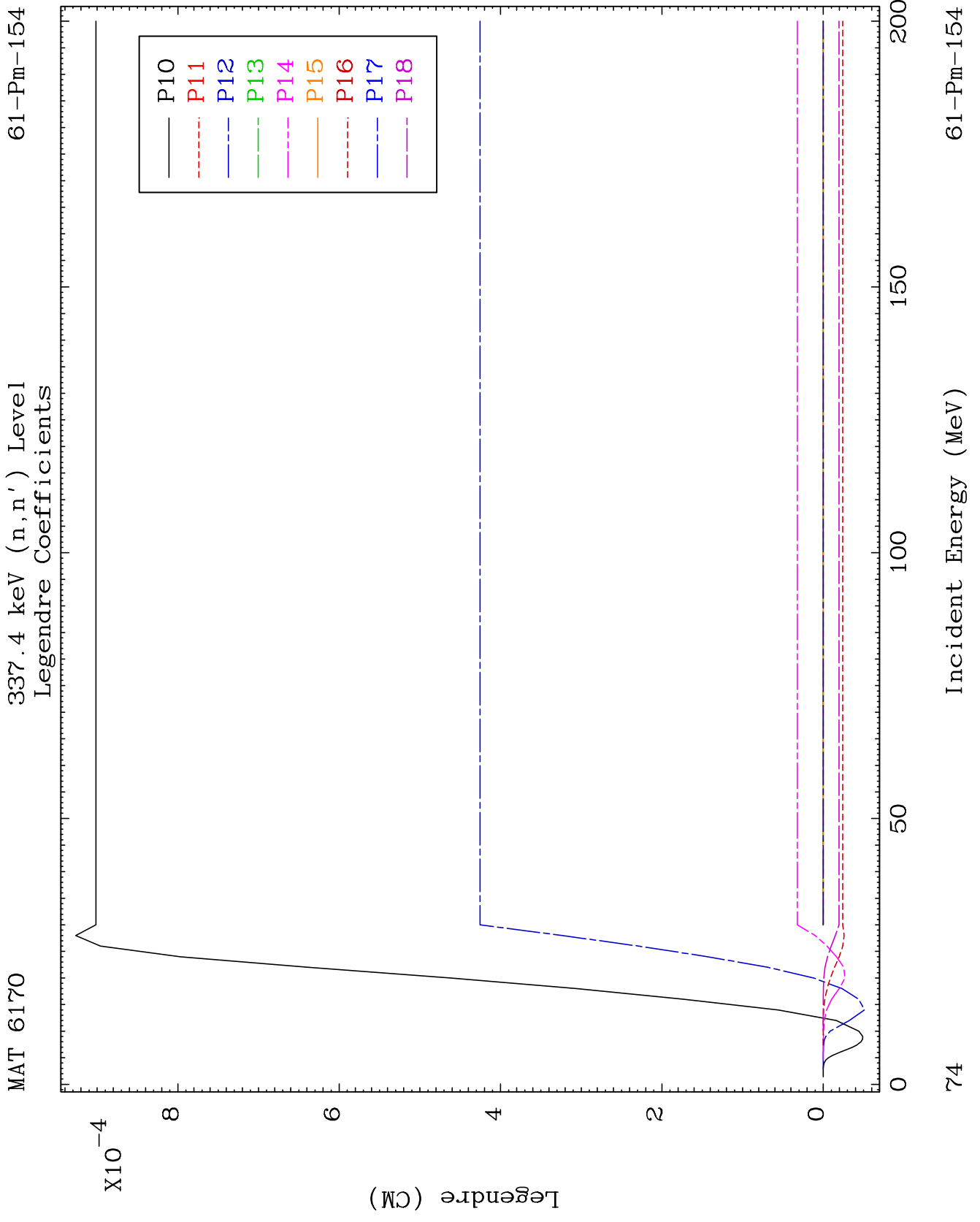
71

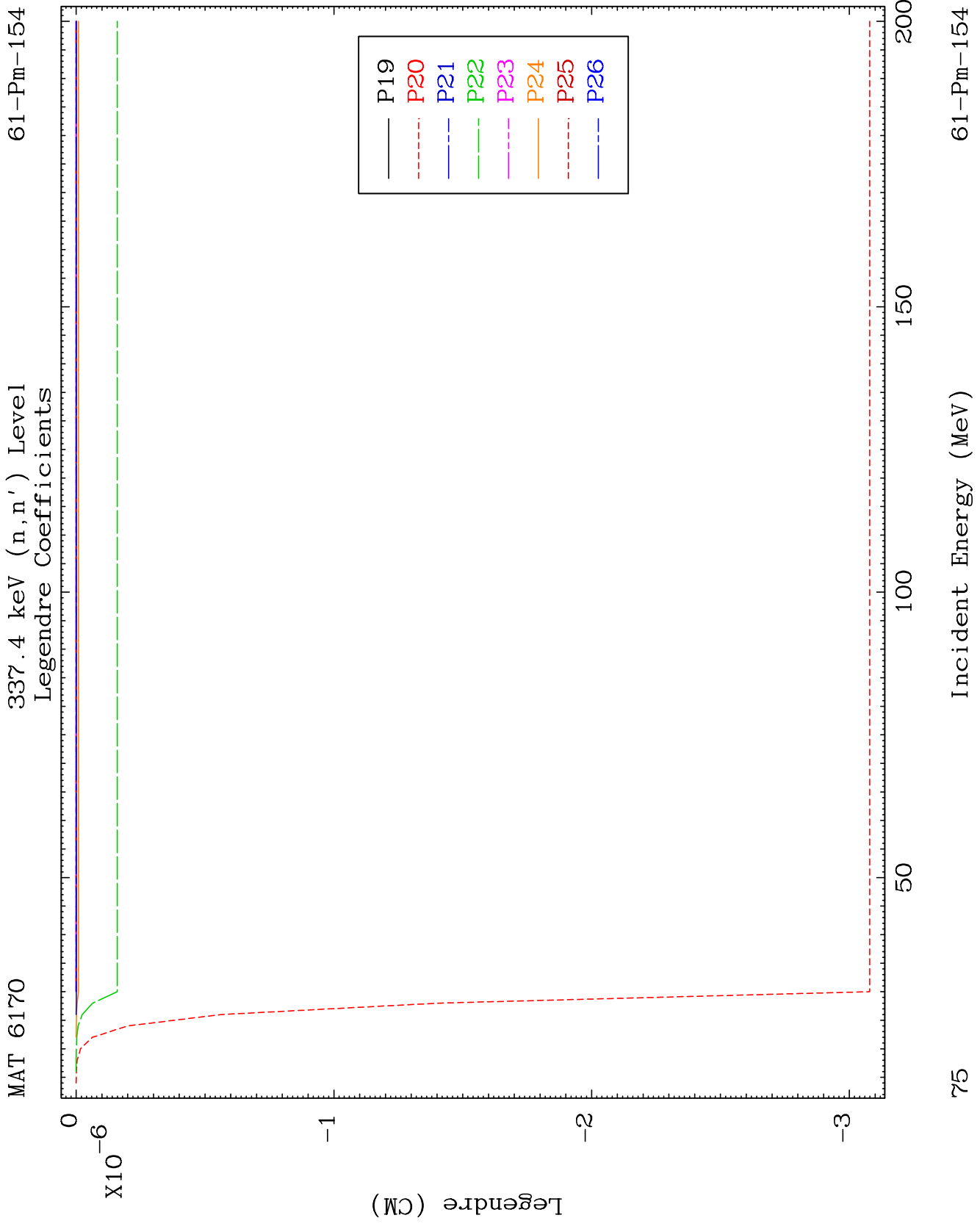
Incident Energy (MeV)

61-Pm-154





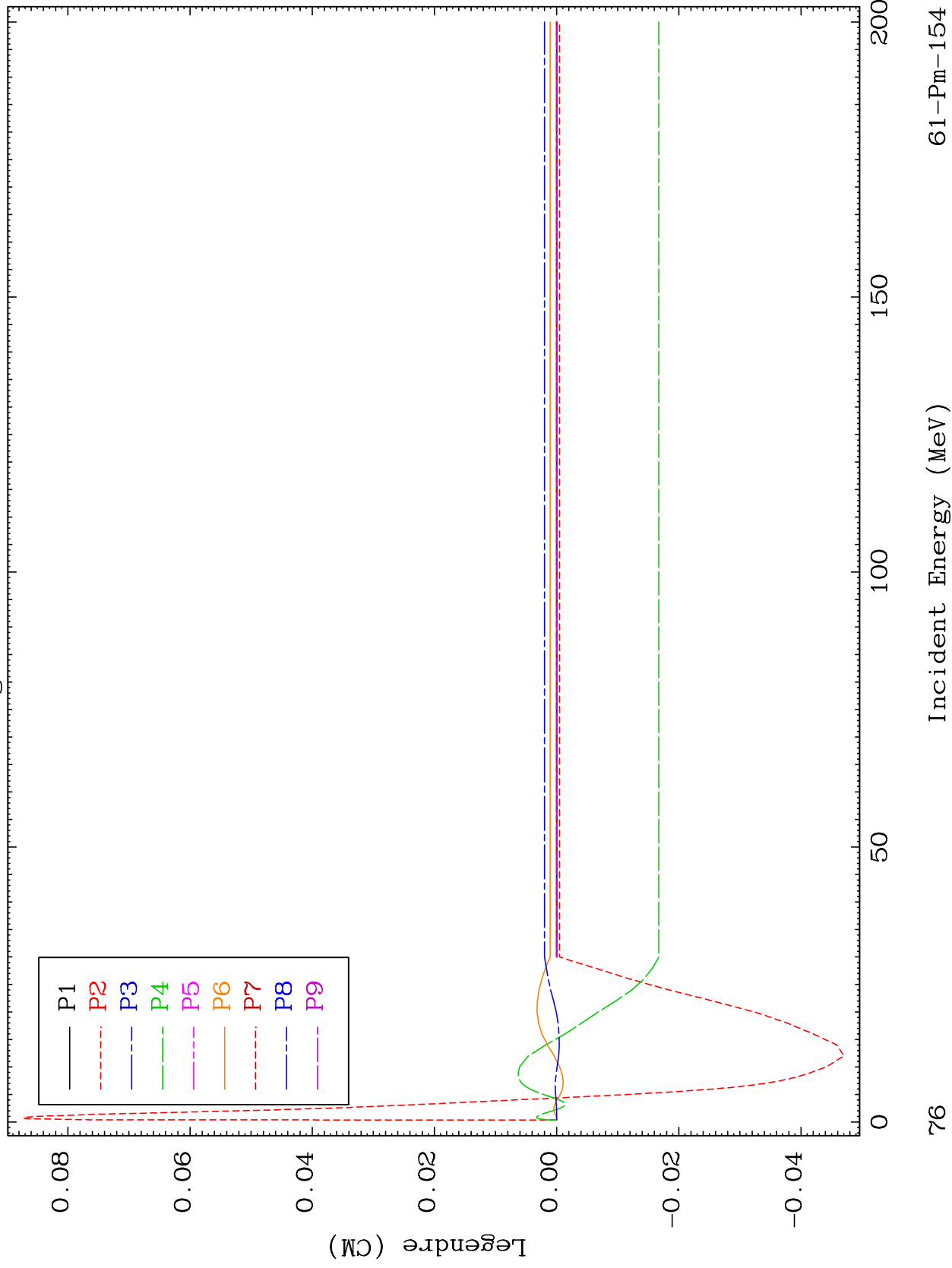




MAT 6170

338.8 keV (n,n') Level
Legendre Coefficients

61-Pm-154



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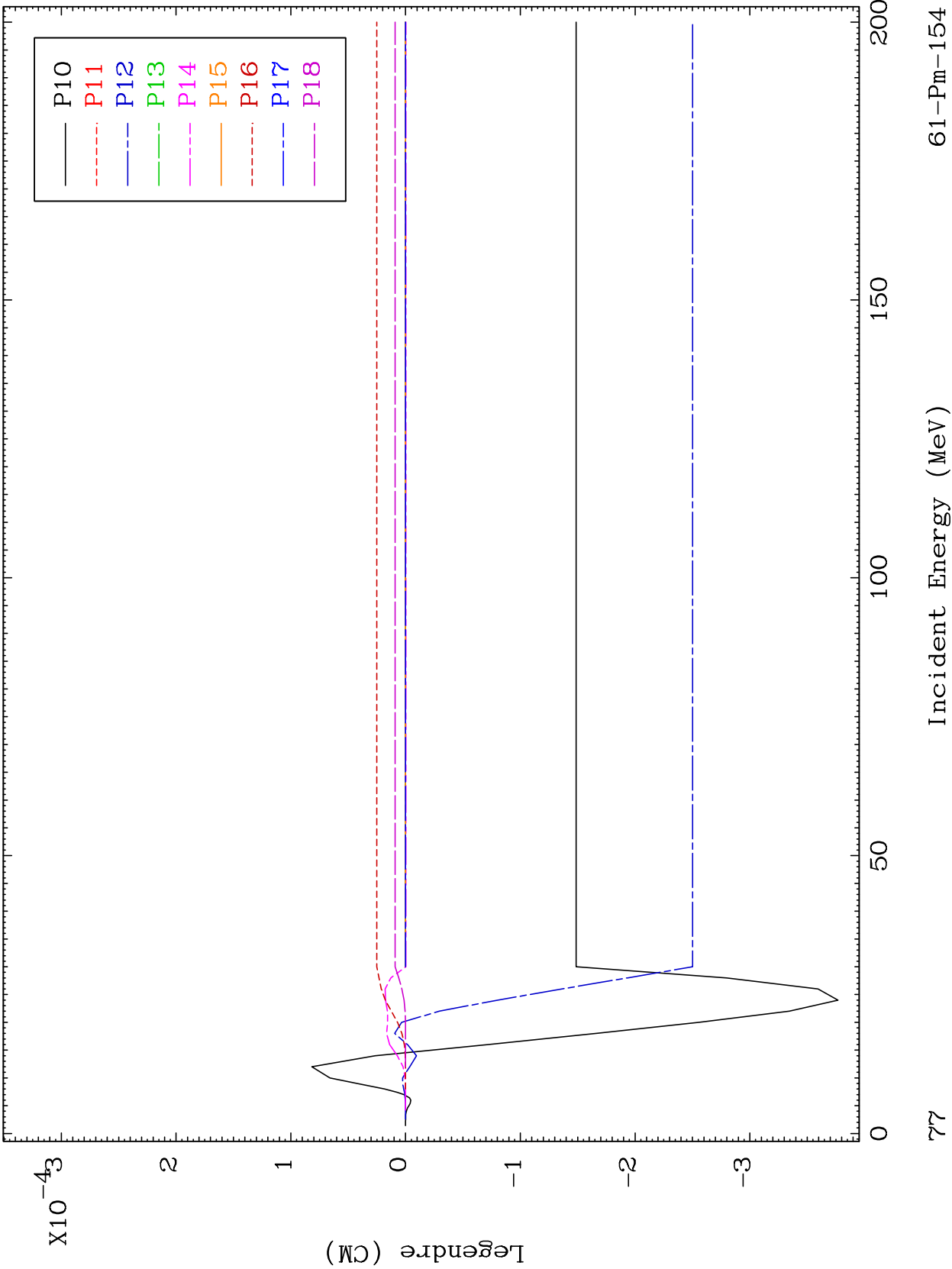
Incident Energy (MeV)

61-Pm-154

MAT 6170

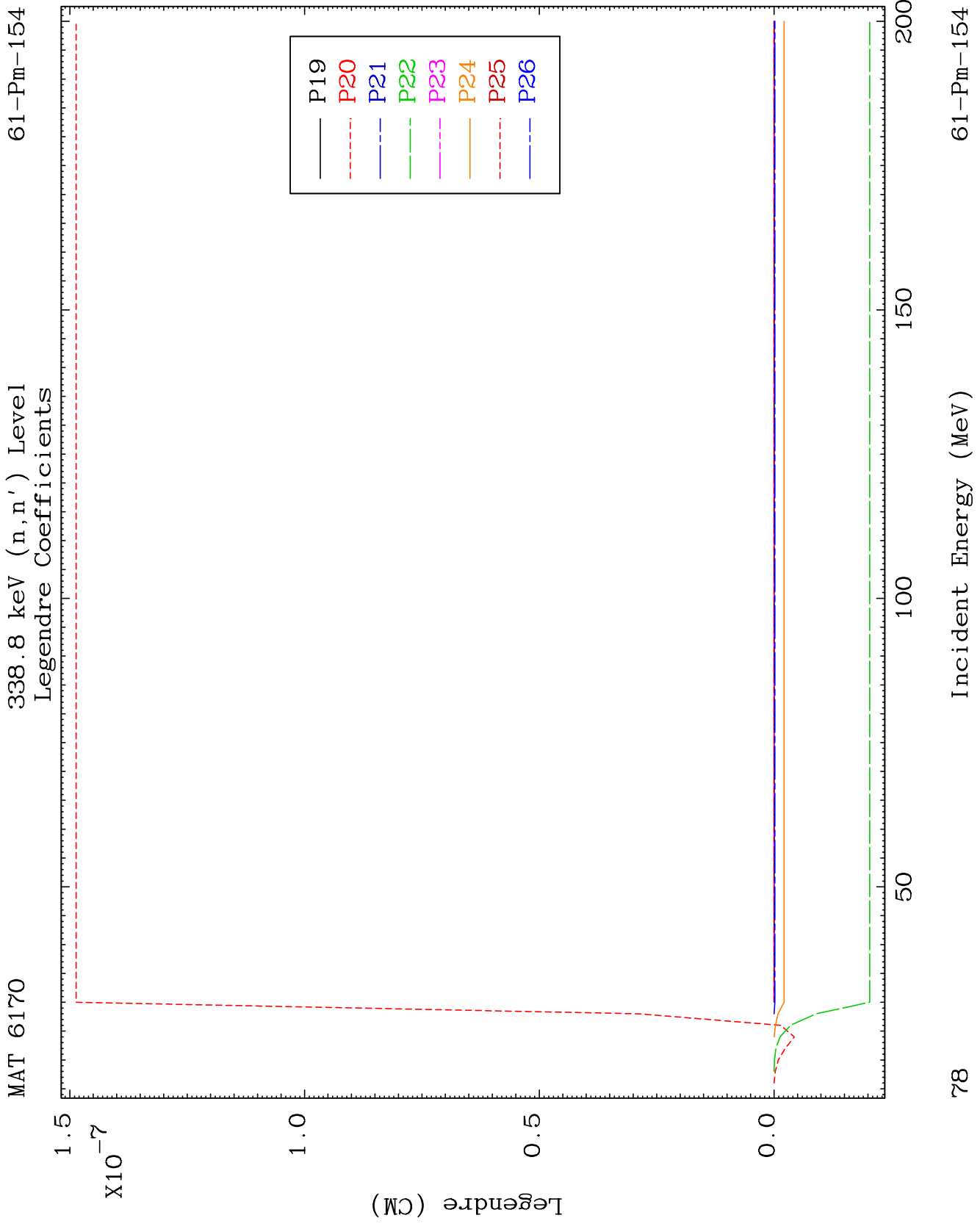
338.8 keV (n,n') Level
Legendre Coefficients

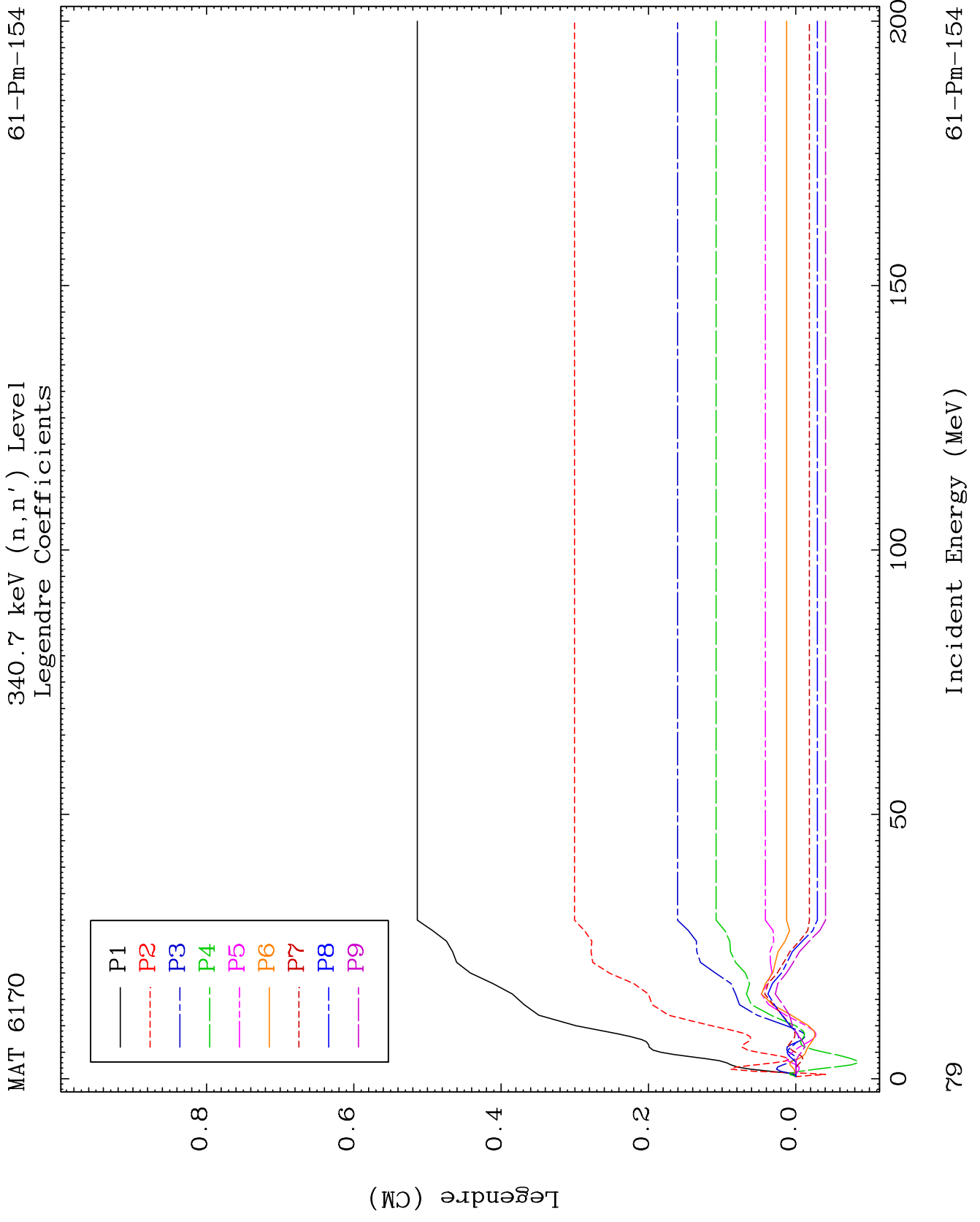
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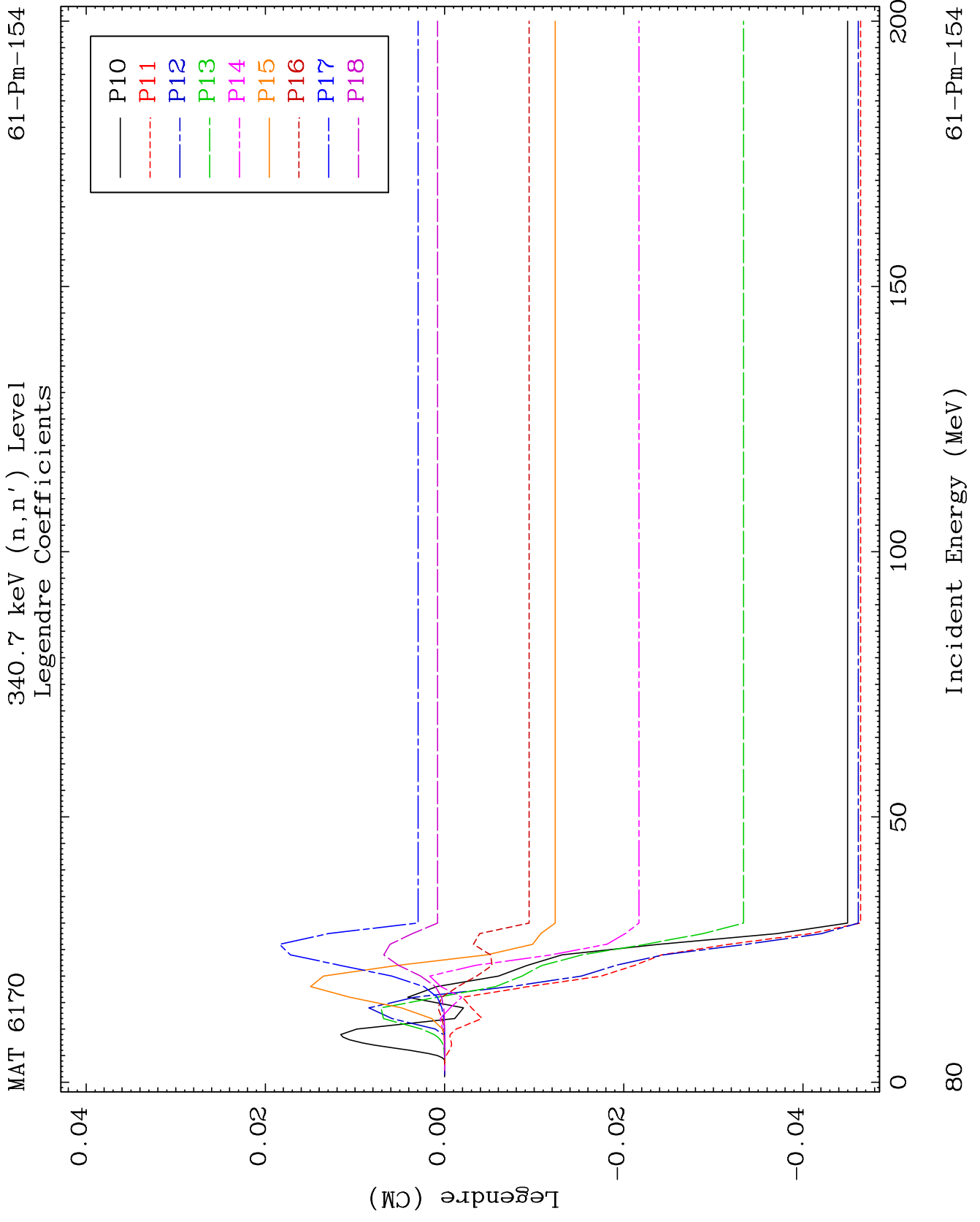


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61-Pm-154



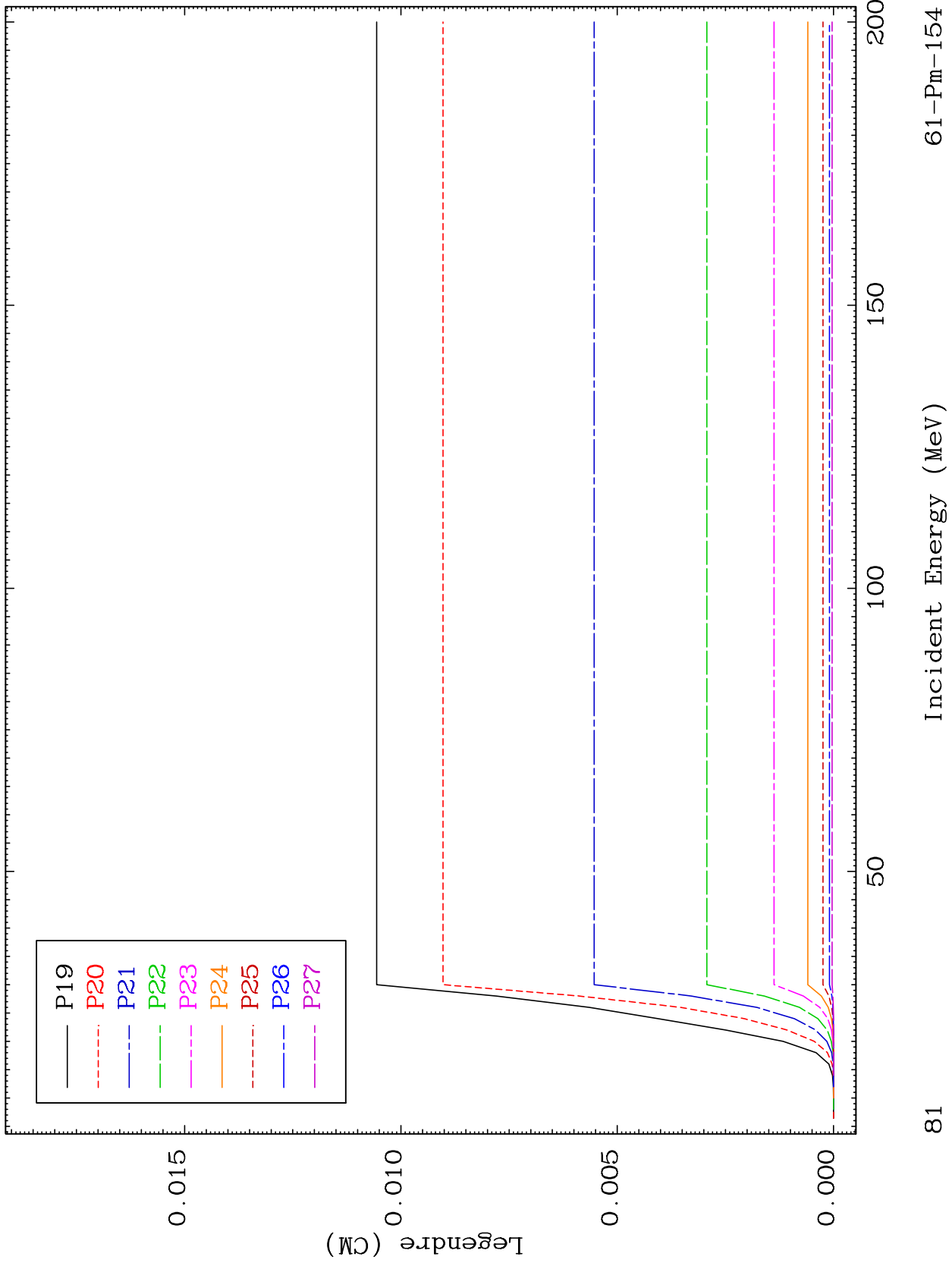




MAT 6170

340.7 keV (n,n') Level
Legendre Coefficients

61-Pm-154



81

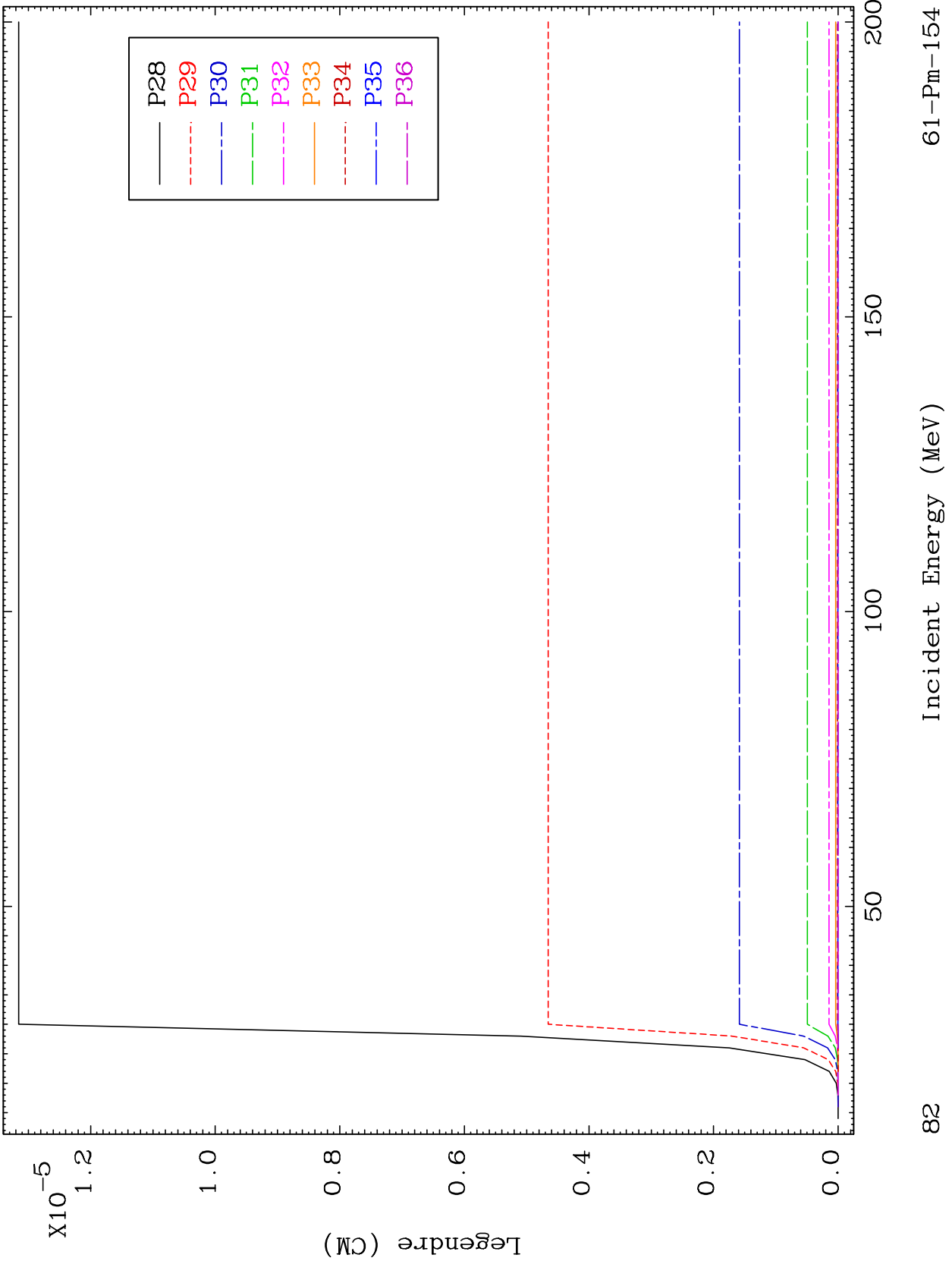
Incident Energy (MeV)

61-Pm-154

MAT 6170

340.7 keV (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

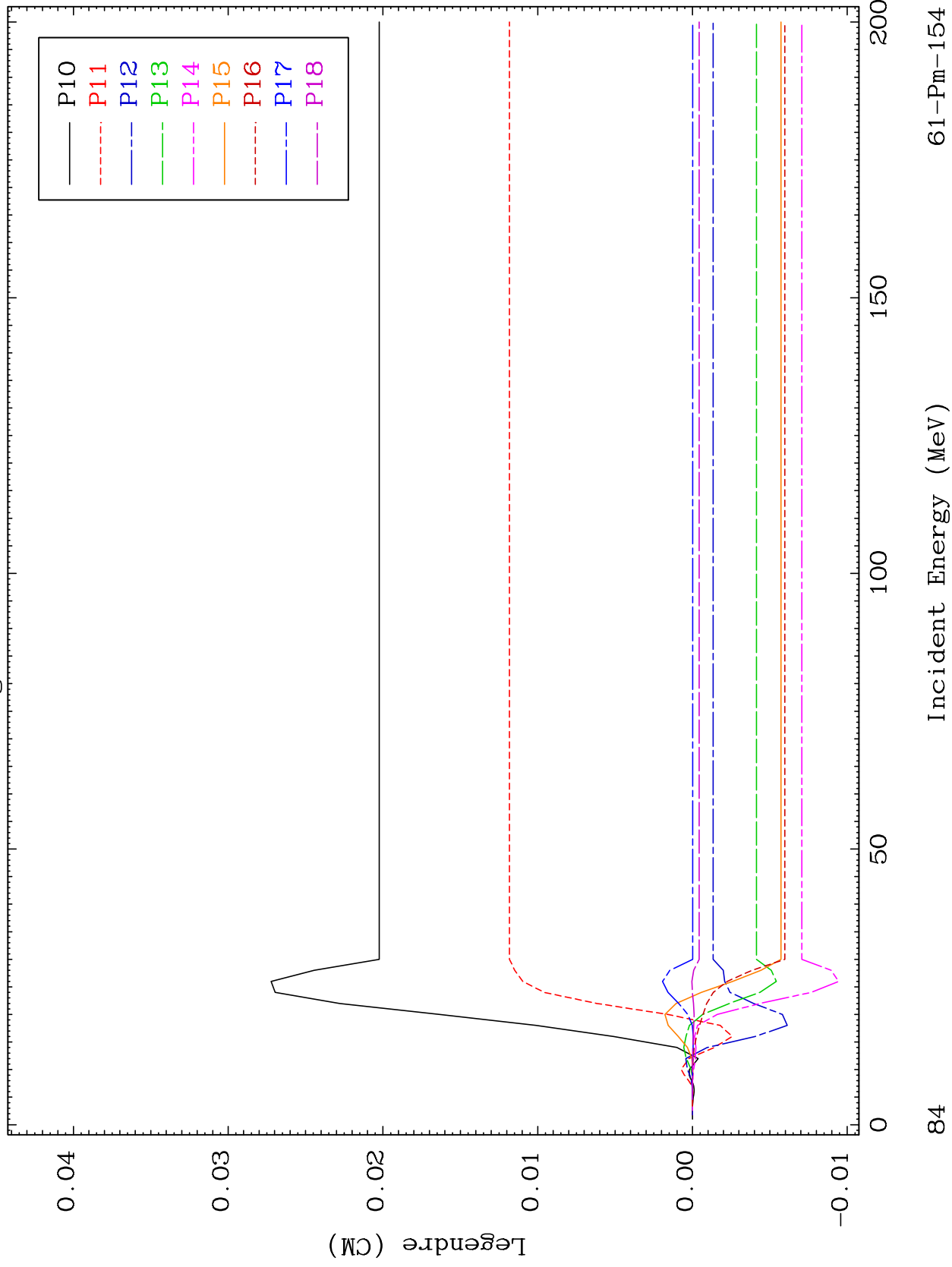
Incident Energy (MeV)

82

MAT 6170

343.3 keV (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

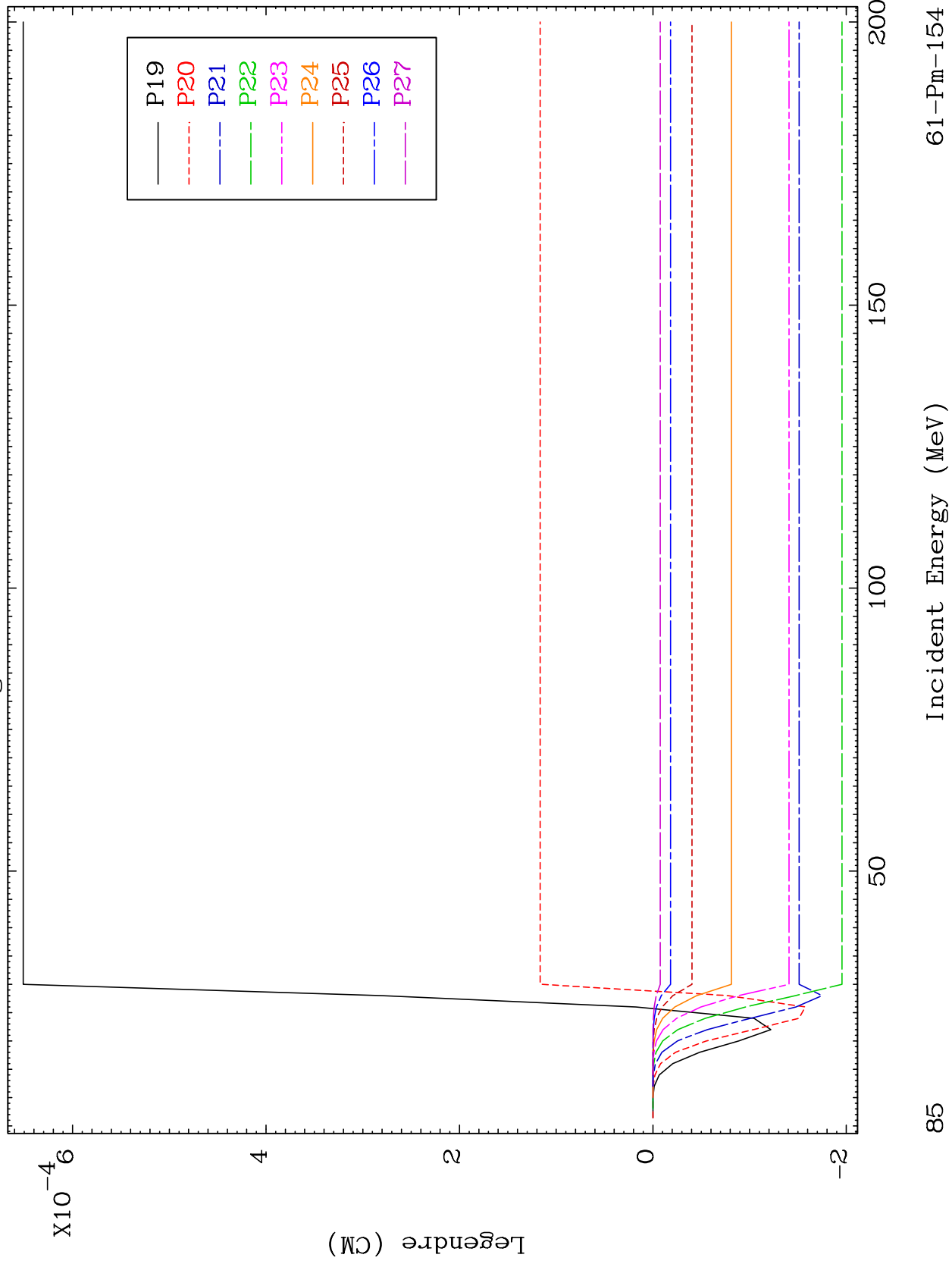
Incident Energy (MeV)

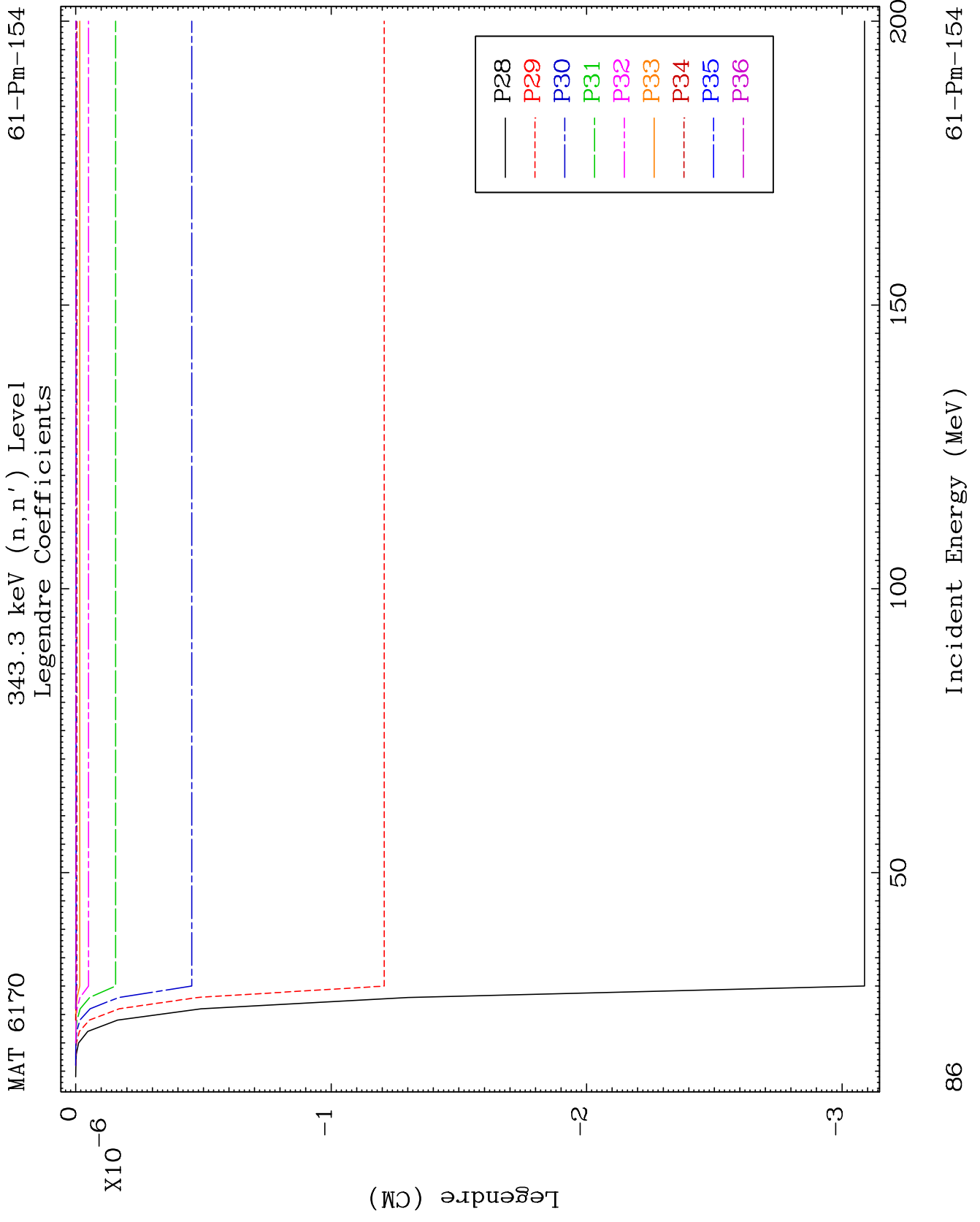
84

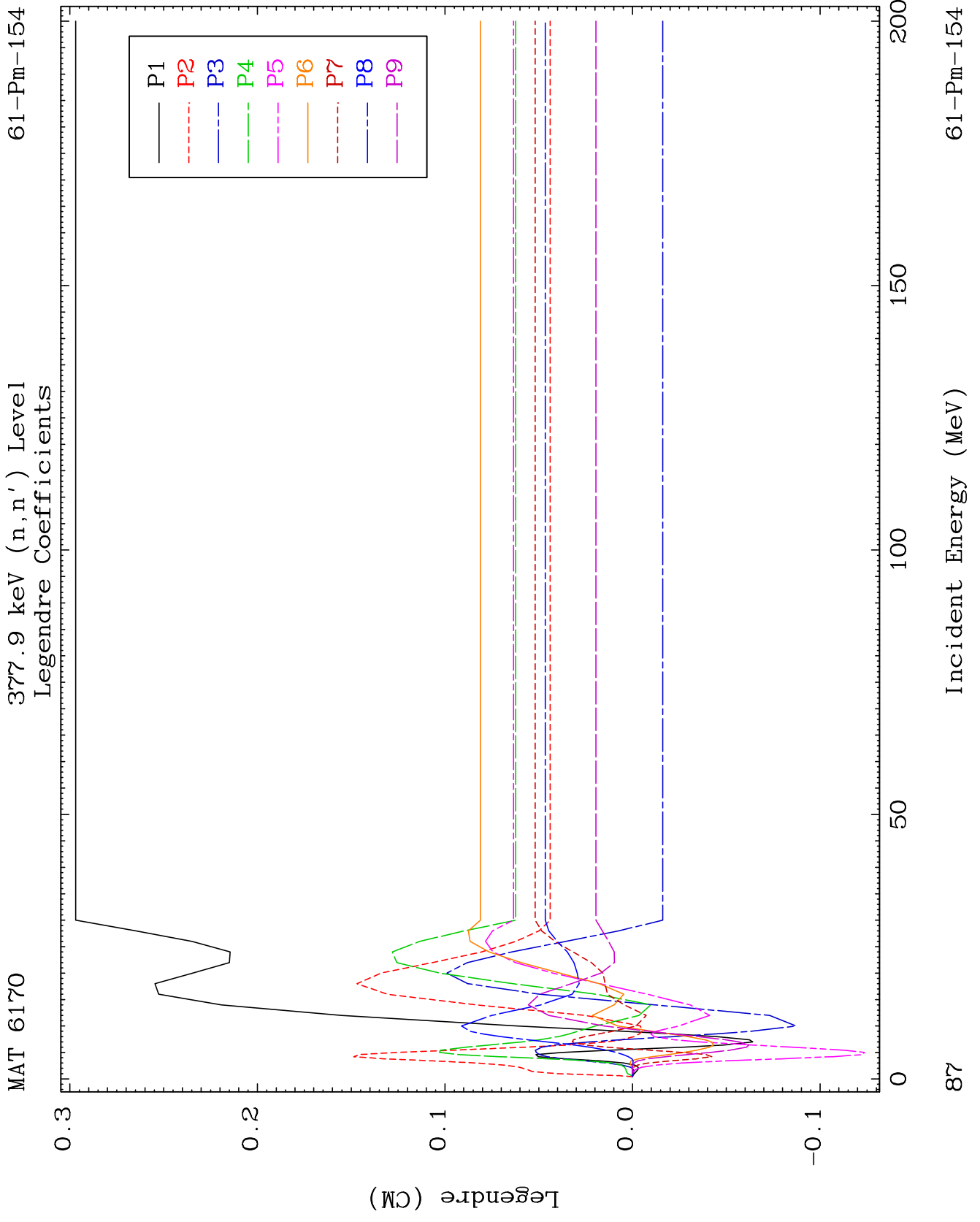
MAT 6170

343.3 keV (n,n') Level
Legendre Coefficients

61-Pm-154



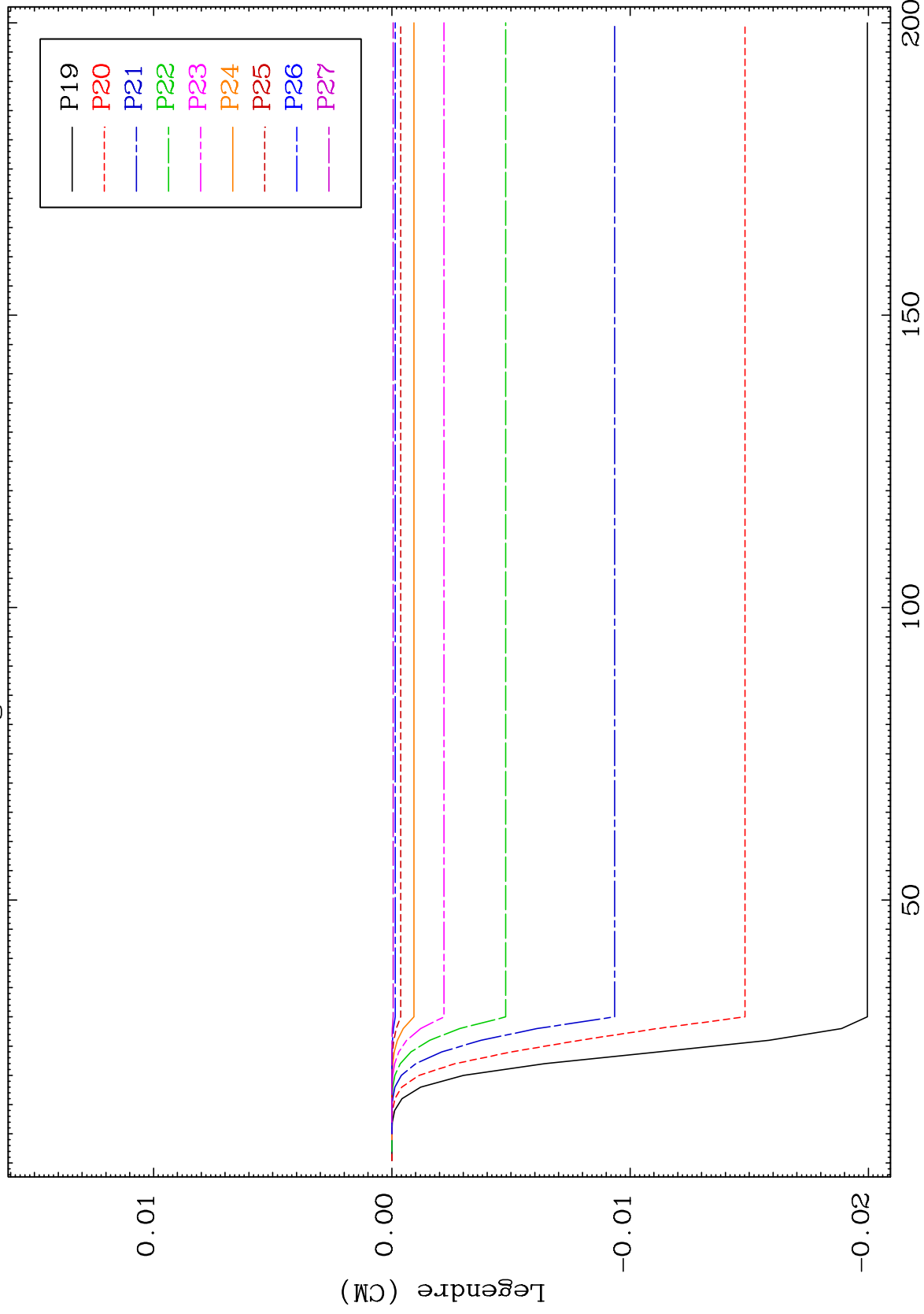




MAT 6170

377.9 keV (n,n') Level
Legendre Coefficients

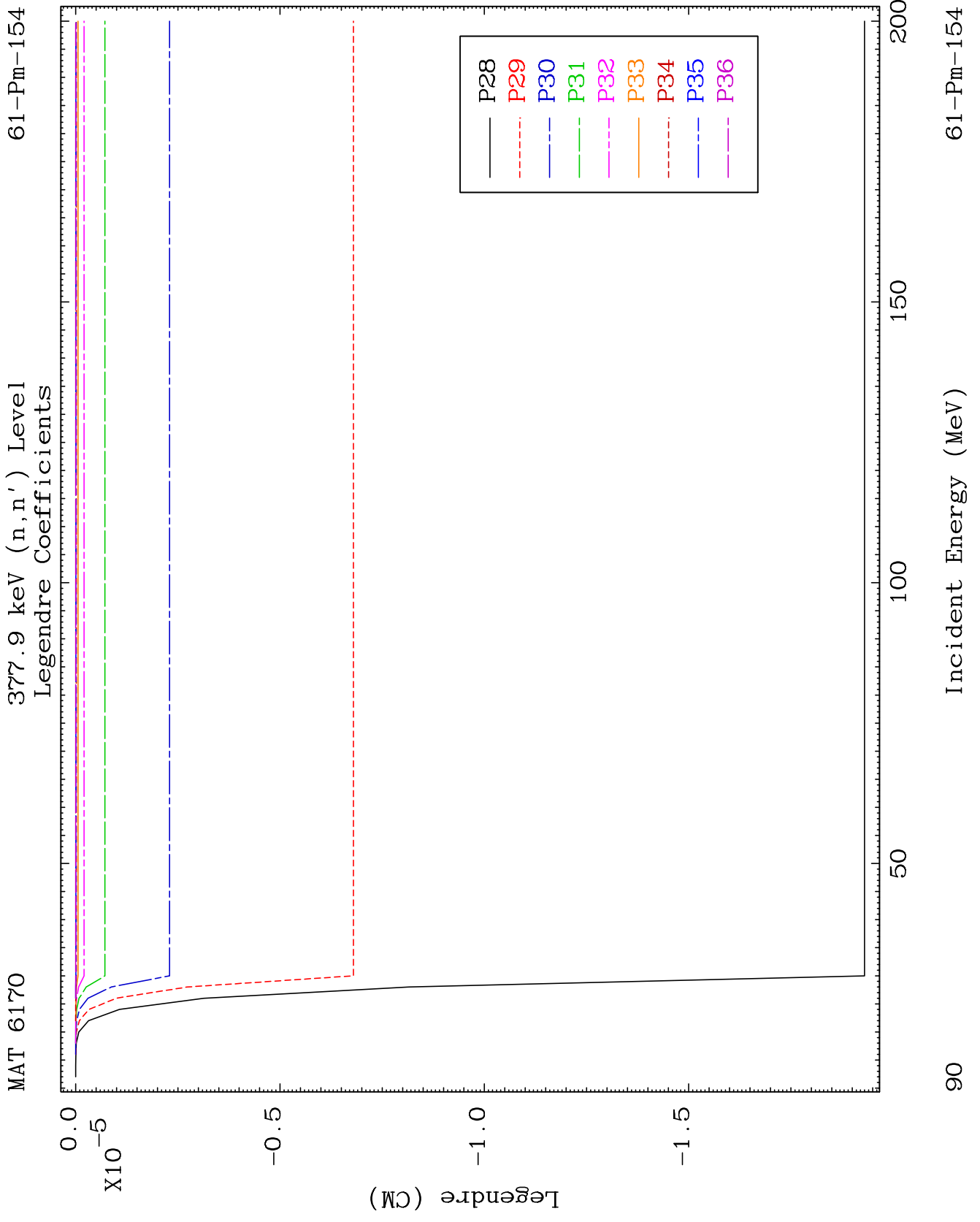
61-Pm-154

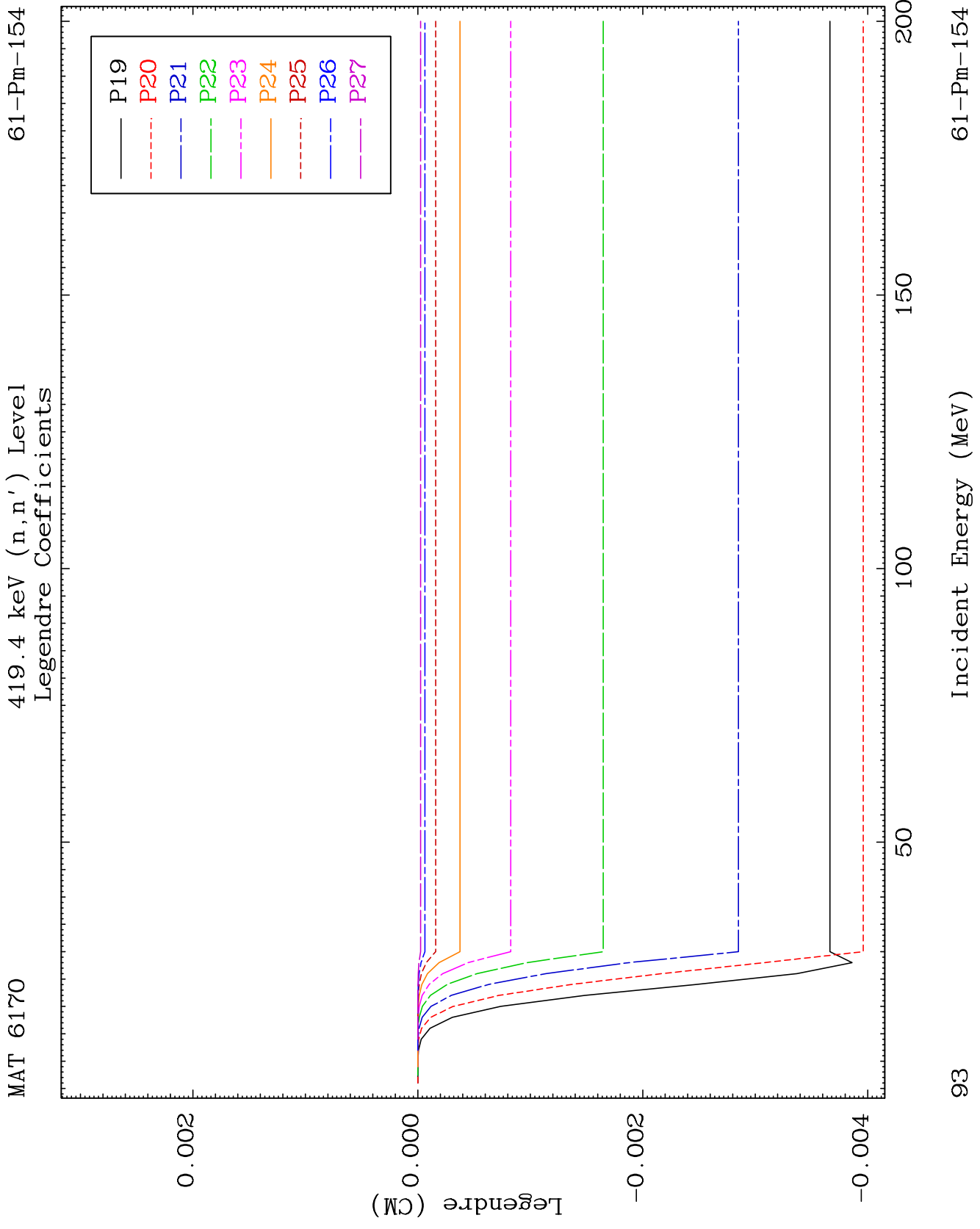


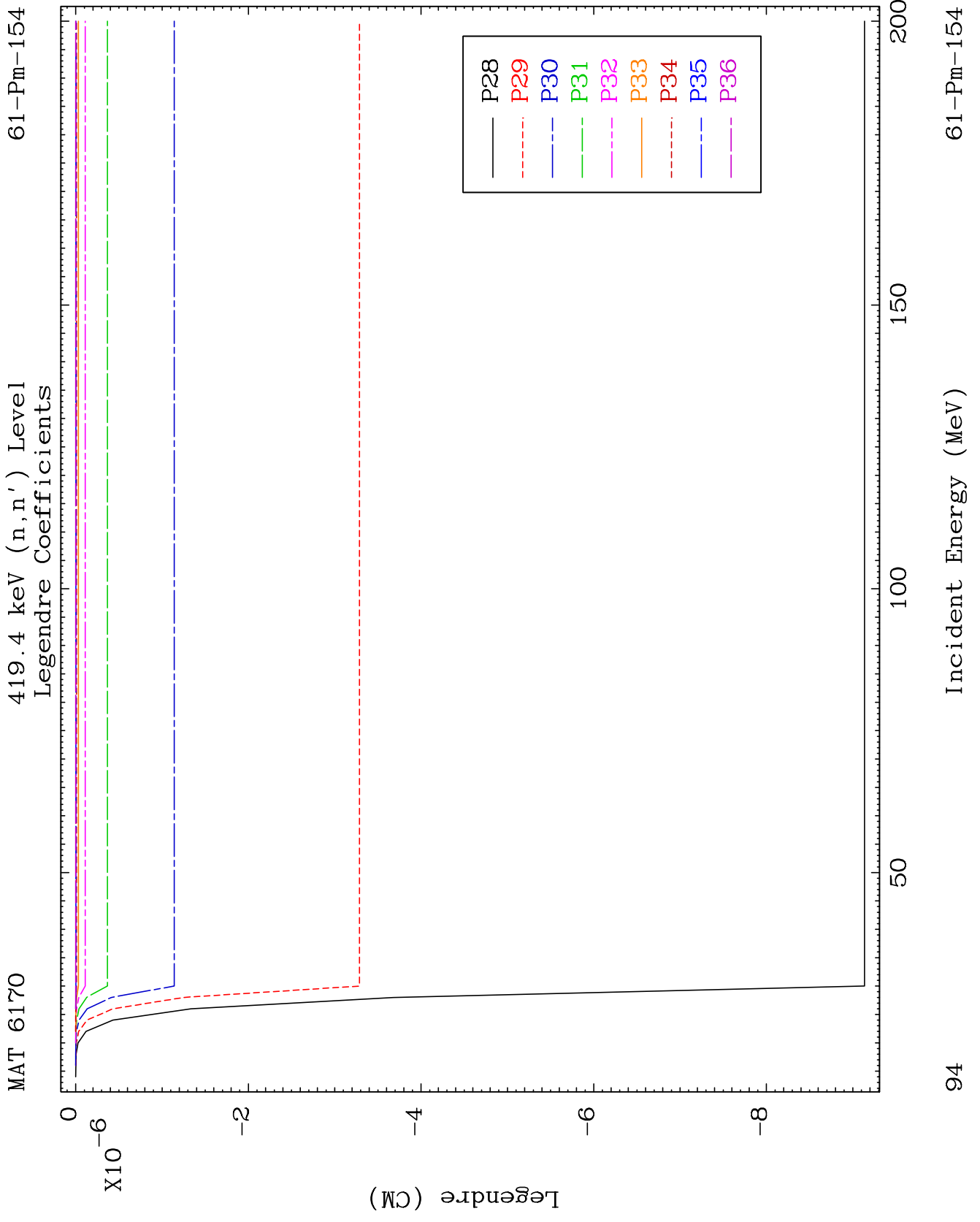
89

Incident Energy (MeV)

61-Pm-154



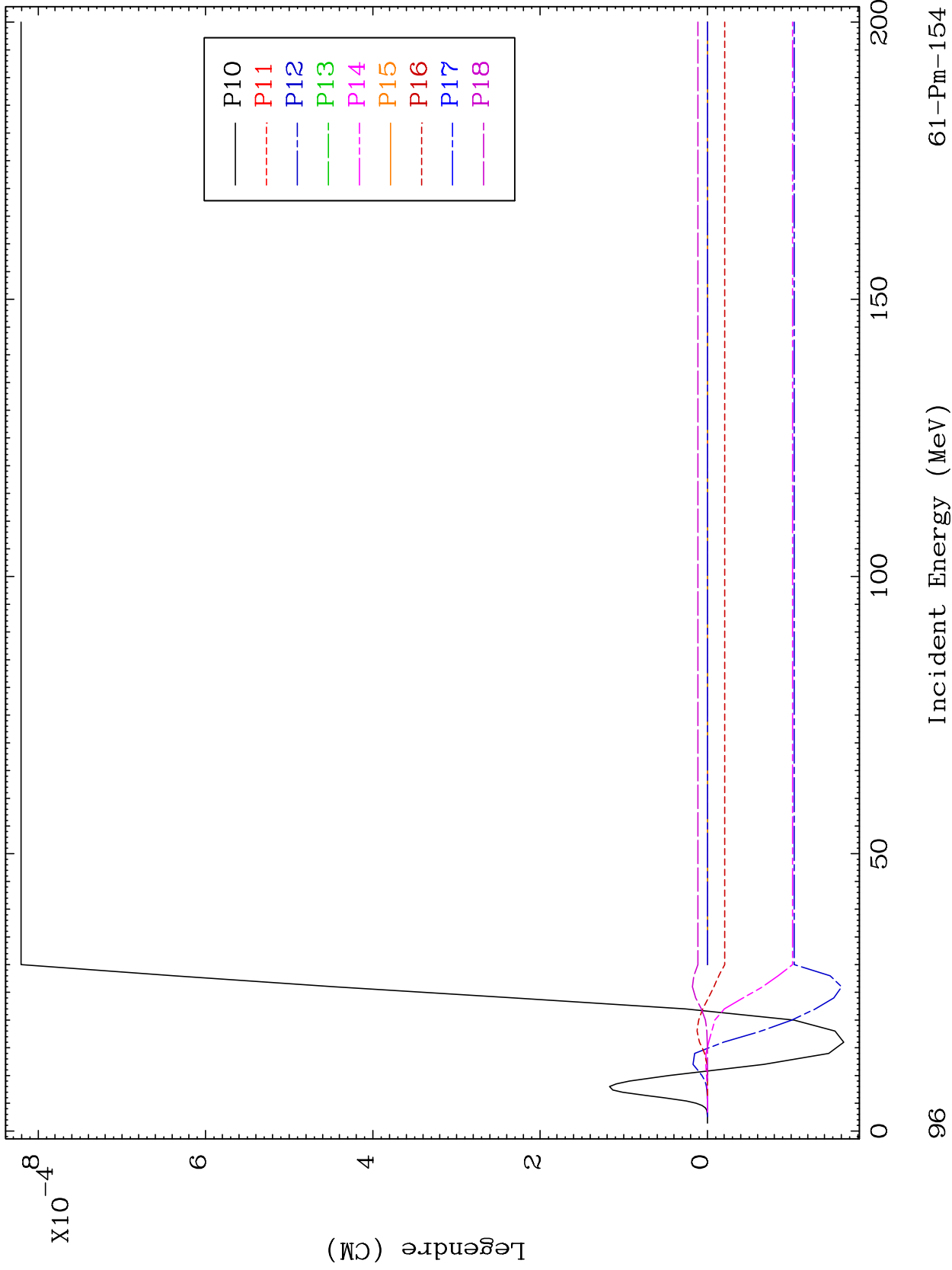




MAT 6170

422.7 keV (n,n') Level
Legendre Coefficients

61-Pm-154



96

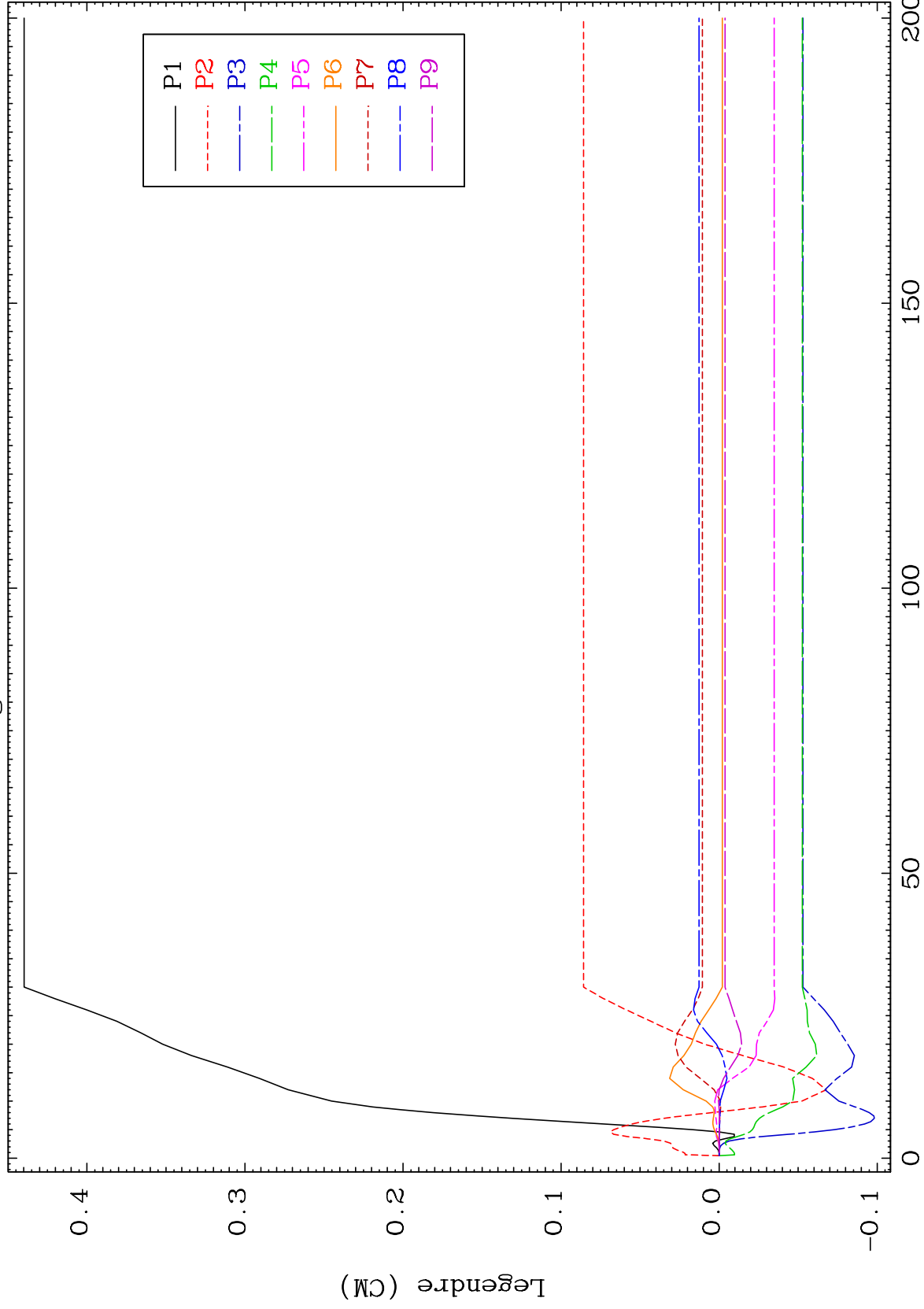
Incident Energy (MeV)

61-Pm-154

MAT 6170

425.1 keV (n,n') Level
Legendre Coefficients

61-Pm-154



98

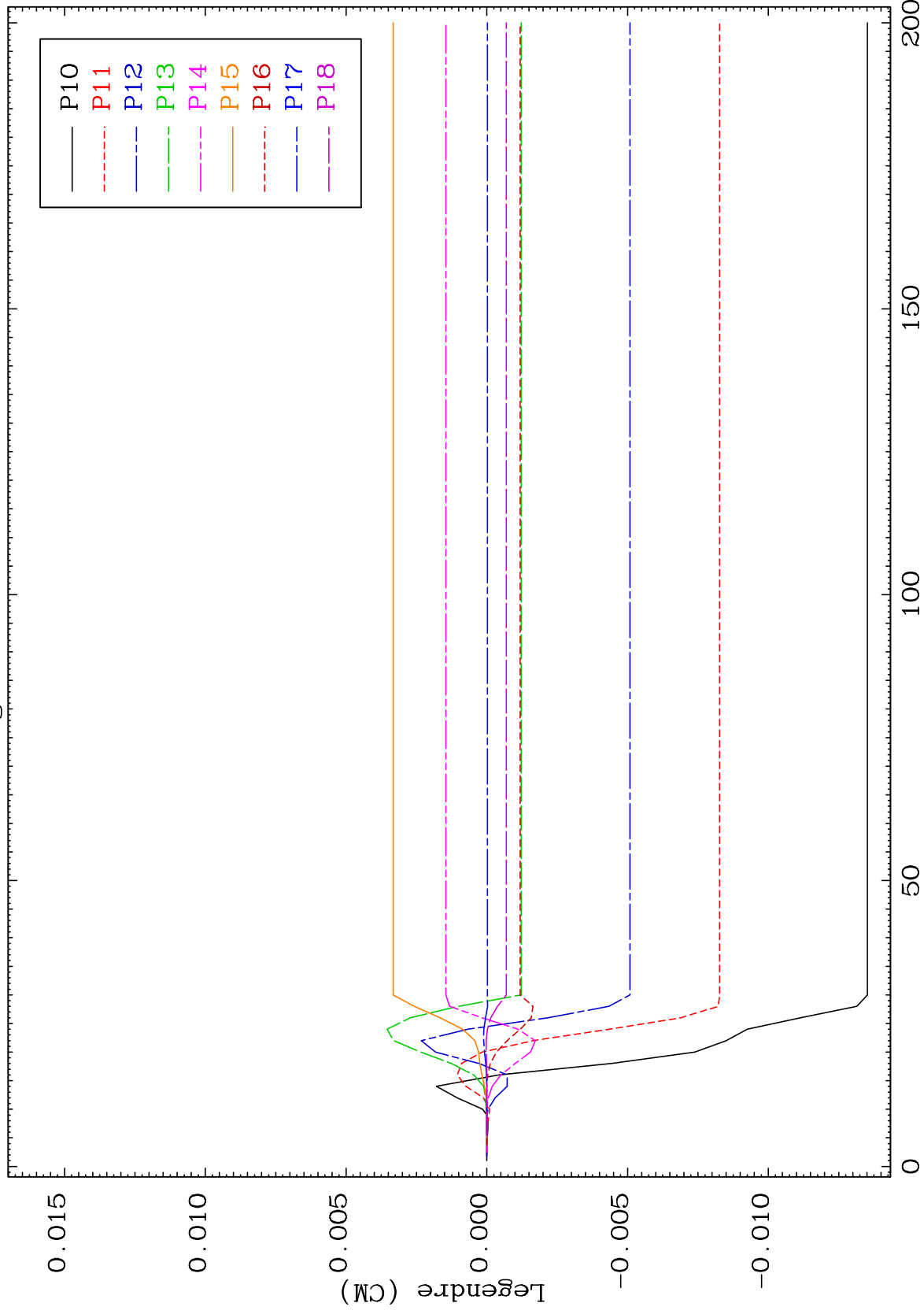
Incident Energy (MeV)

61-Pm-154

MAT 6170

425.1 keV (n,n') Level
Legendre Coefficients

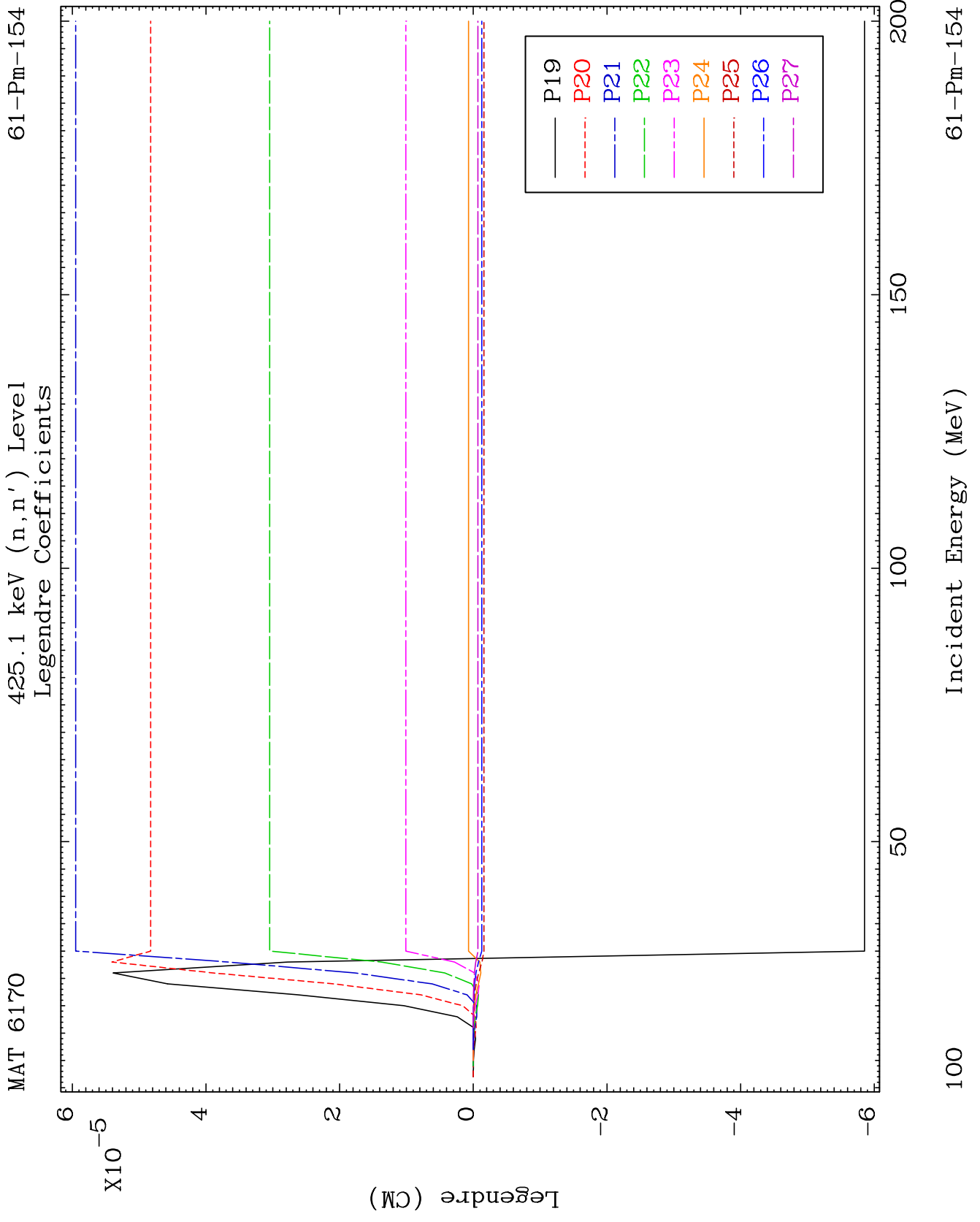
61-Pm-154

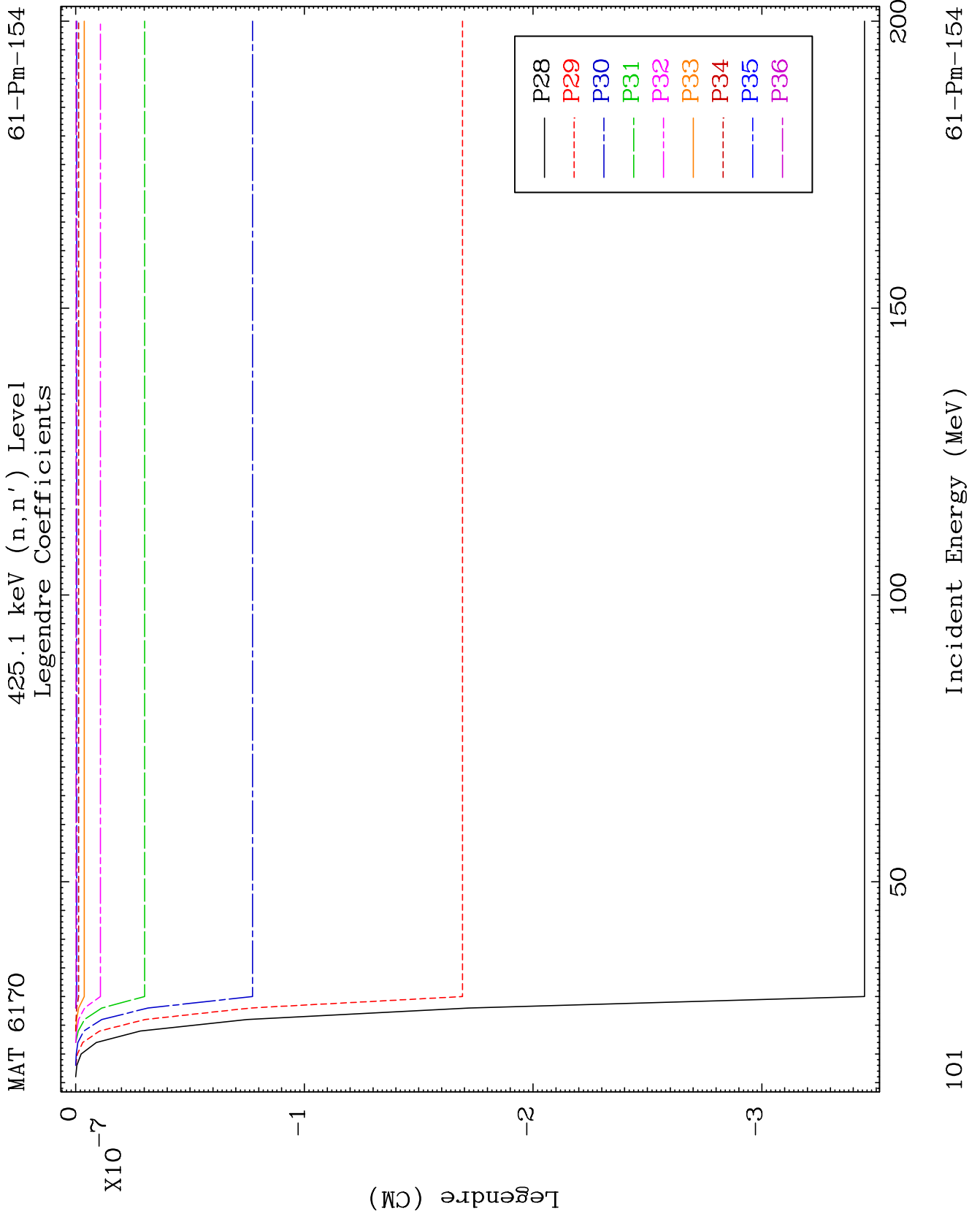


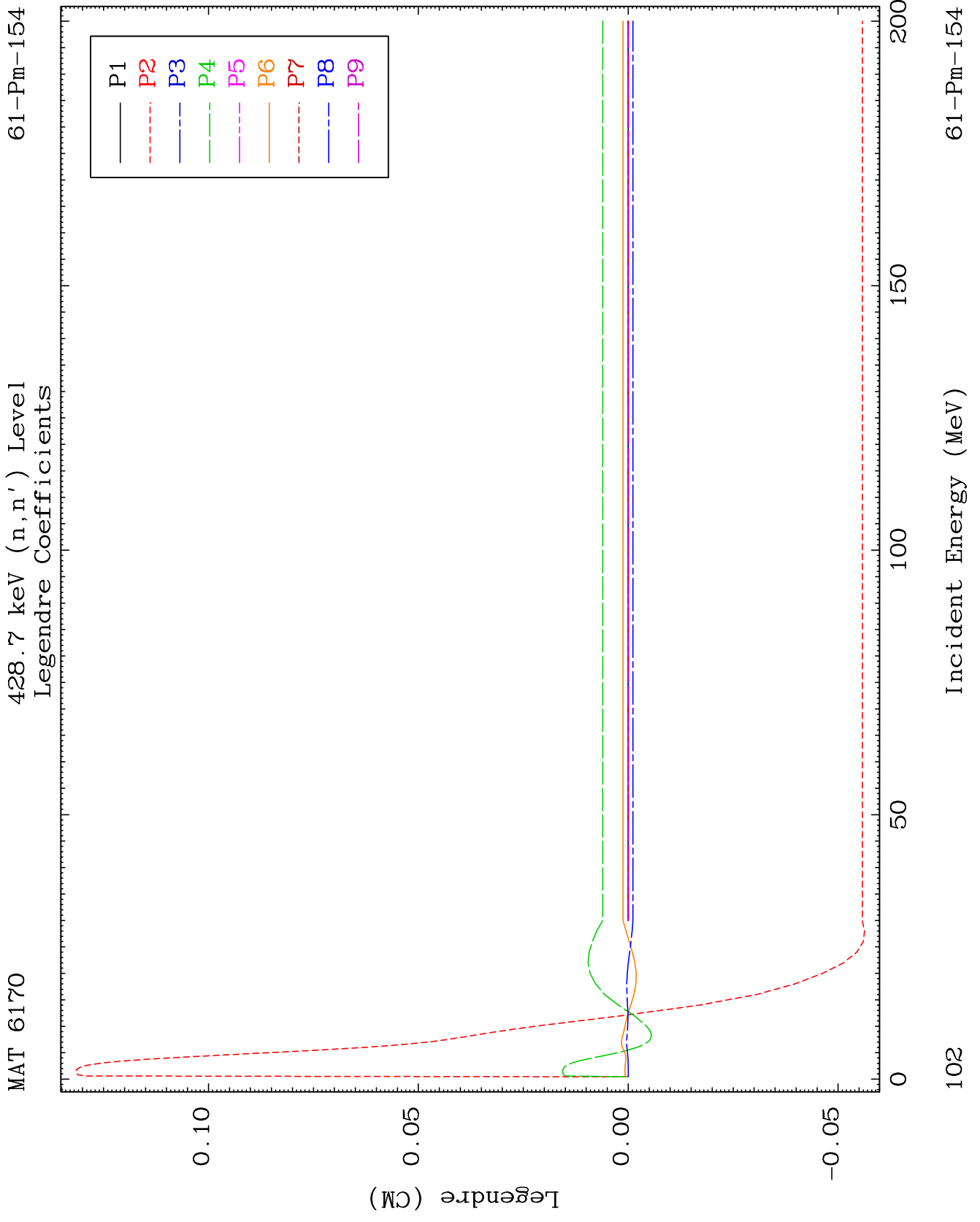
99

Incident Energy (MeV)

61-Pm-154



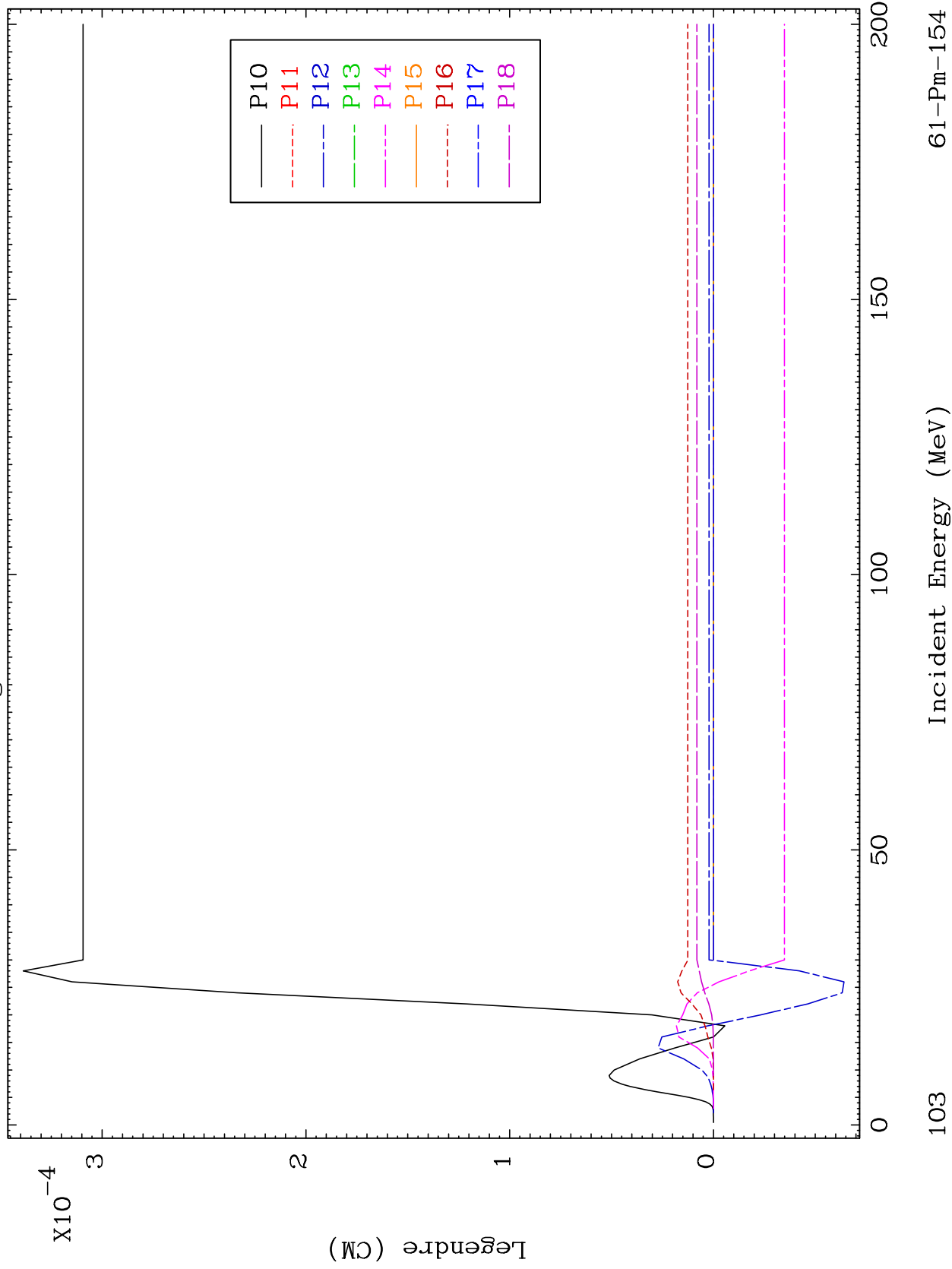




MAT 6170

428.7 keV (n,n') Level
Legendre Coefficients

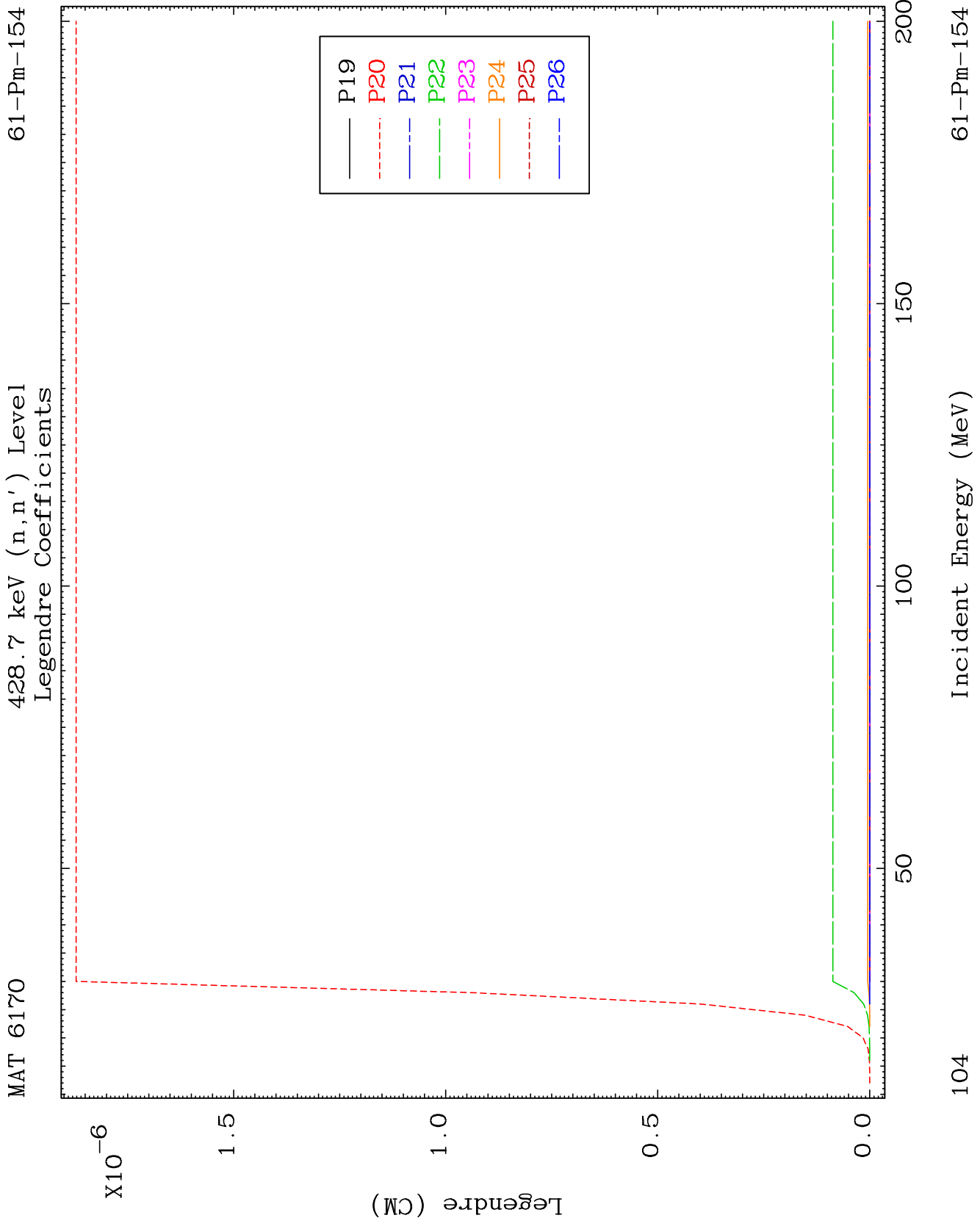
61-Pm-154



103

Incident Energy (MeV)

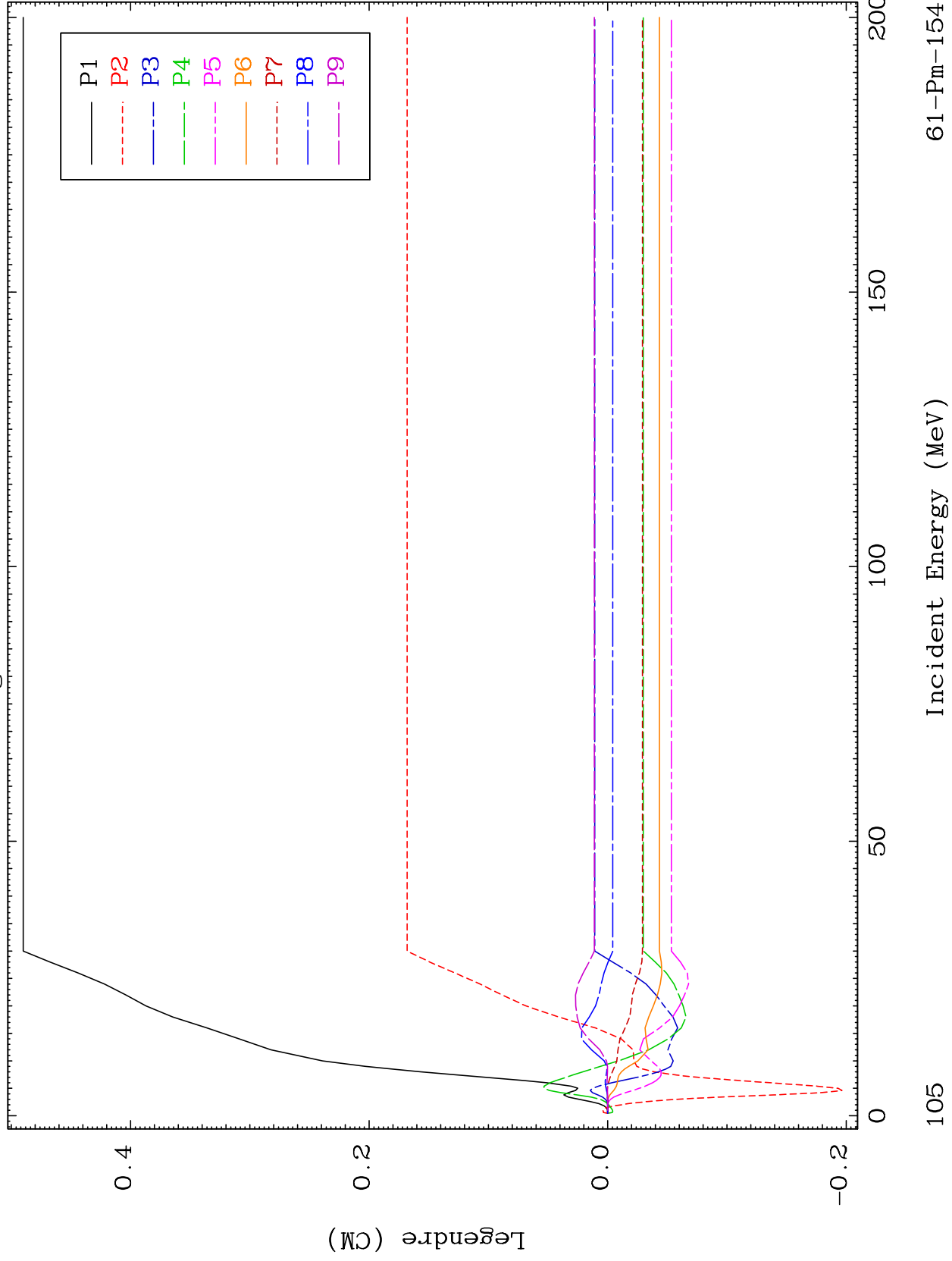
61-Pm-154



MAT 6170

435.1 keV (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

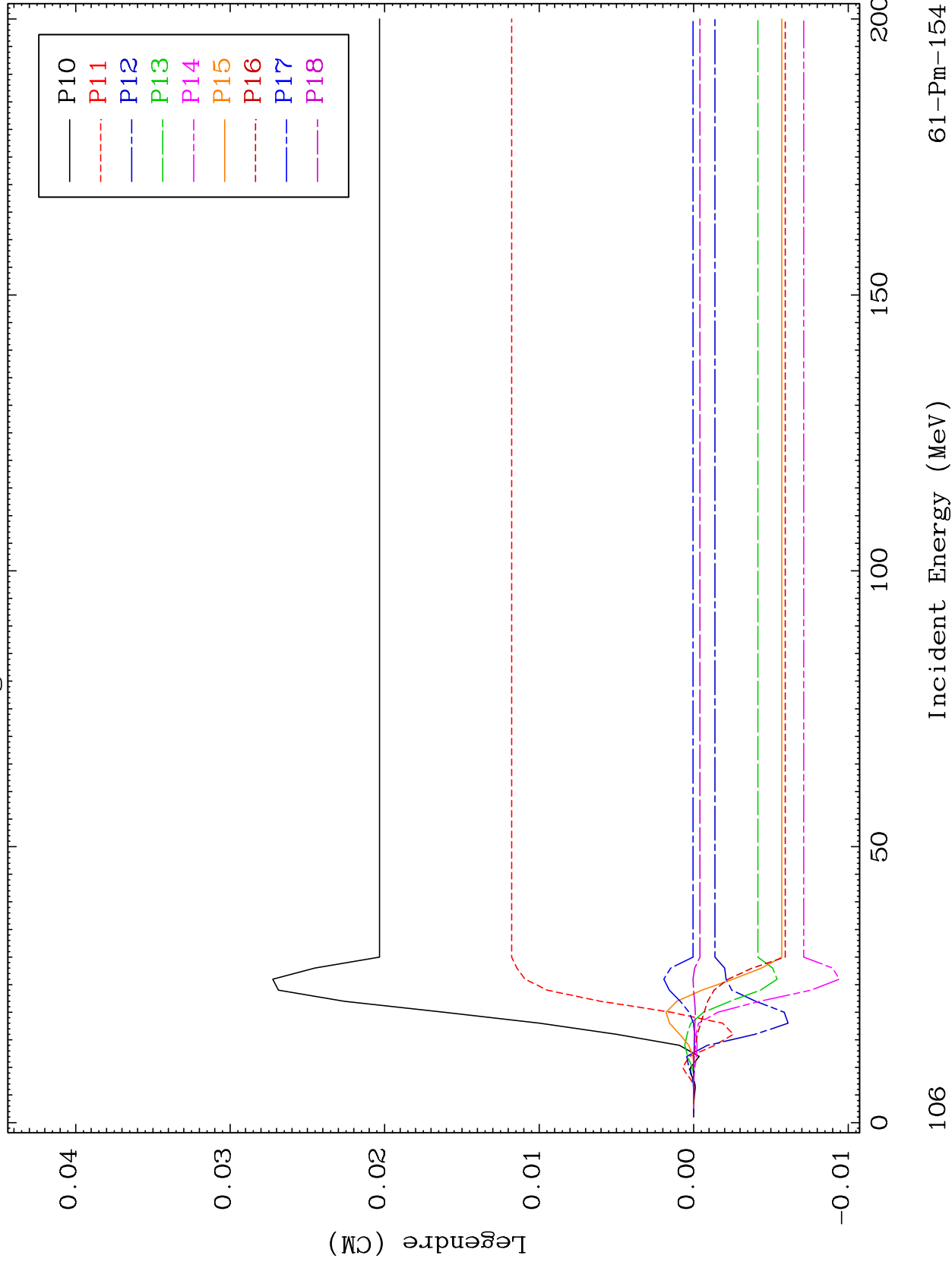
Incident Energy (MeV)

Legendre (CM)

MAT 6170

435.1 keV (n,n') Level
Legendre Coefficients

61-Pm-154



61-Pm-154

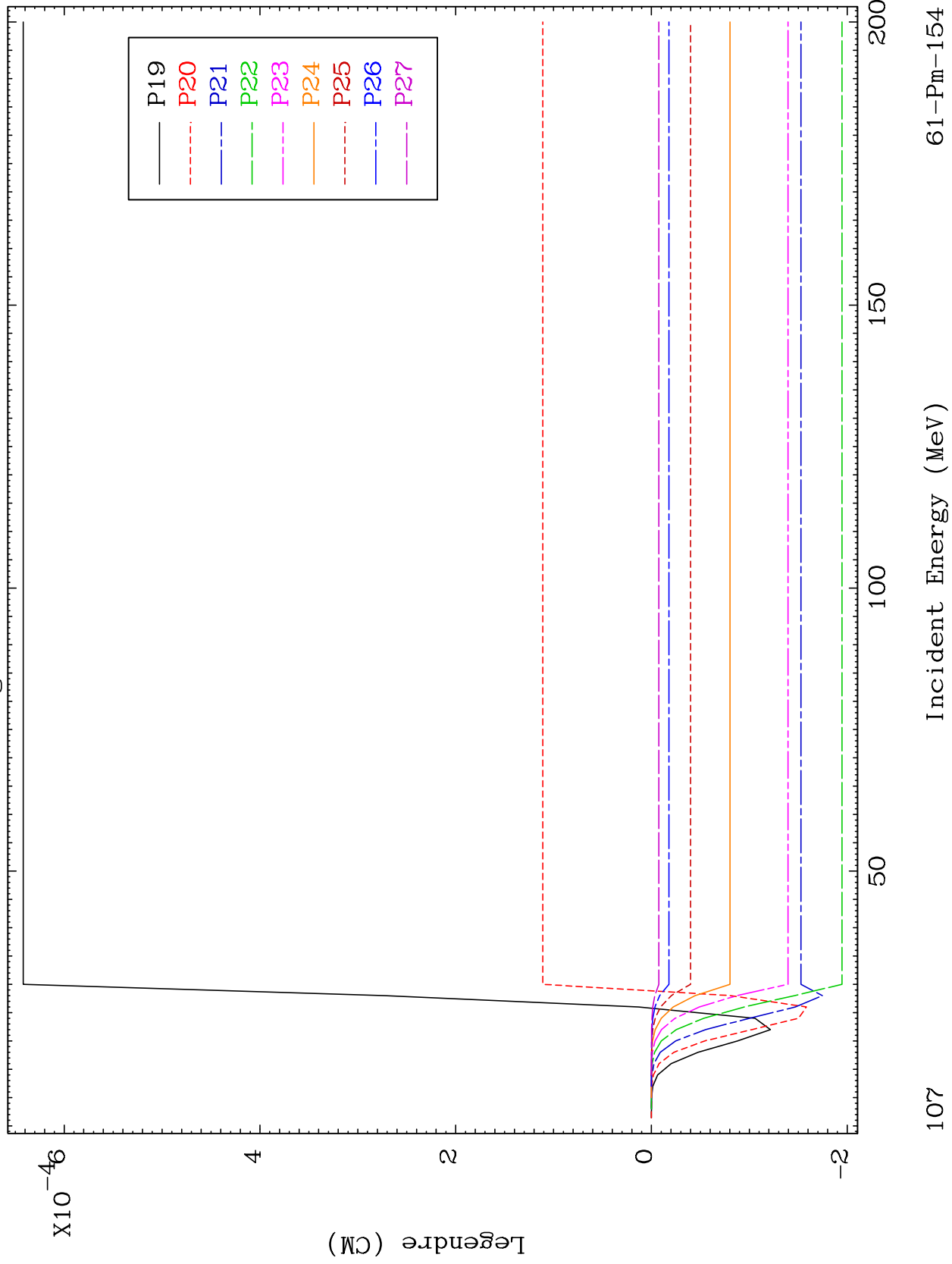
Incident Energy (MeV)

106

MAT 6170

435.1 keV (n,n') Level
Legendre Coefficients

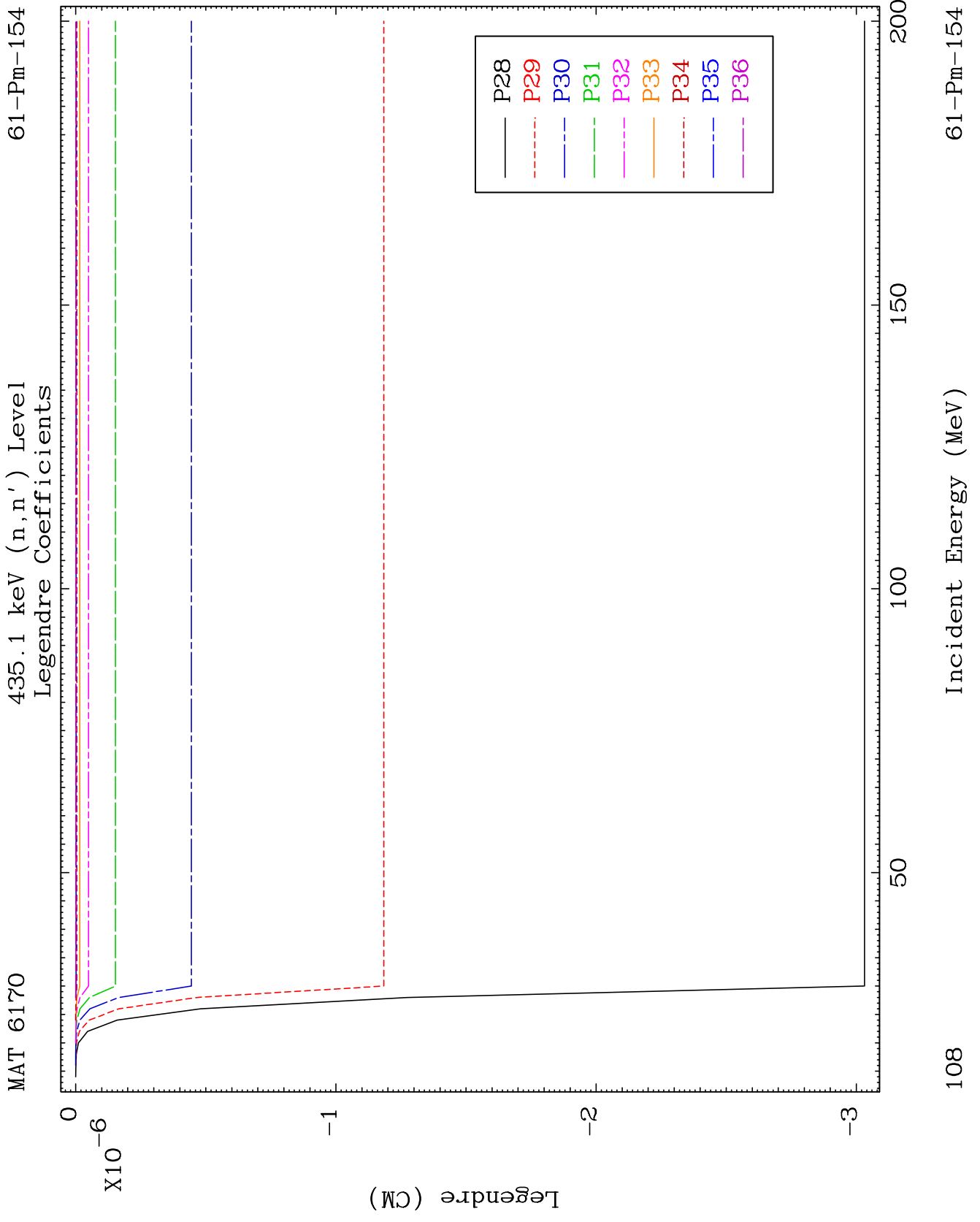
61-Pm-154

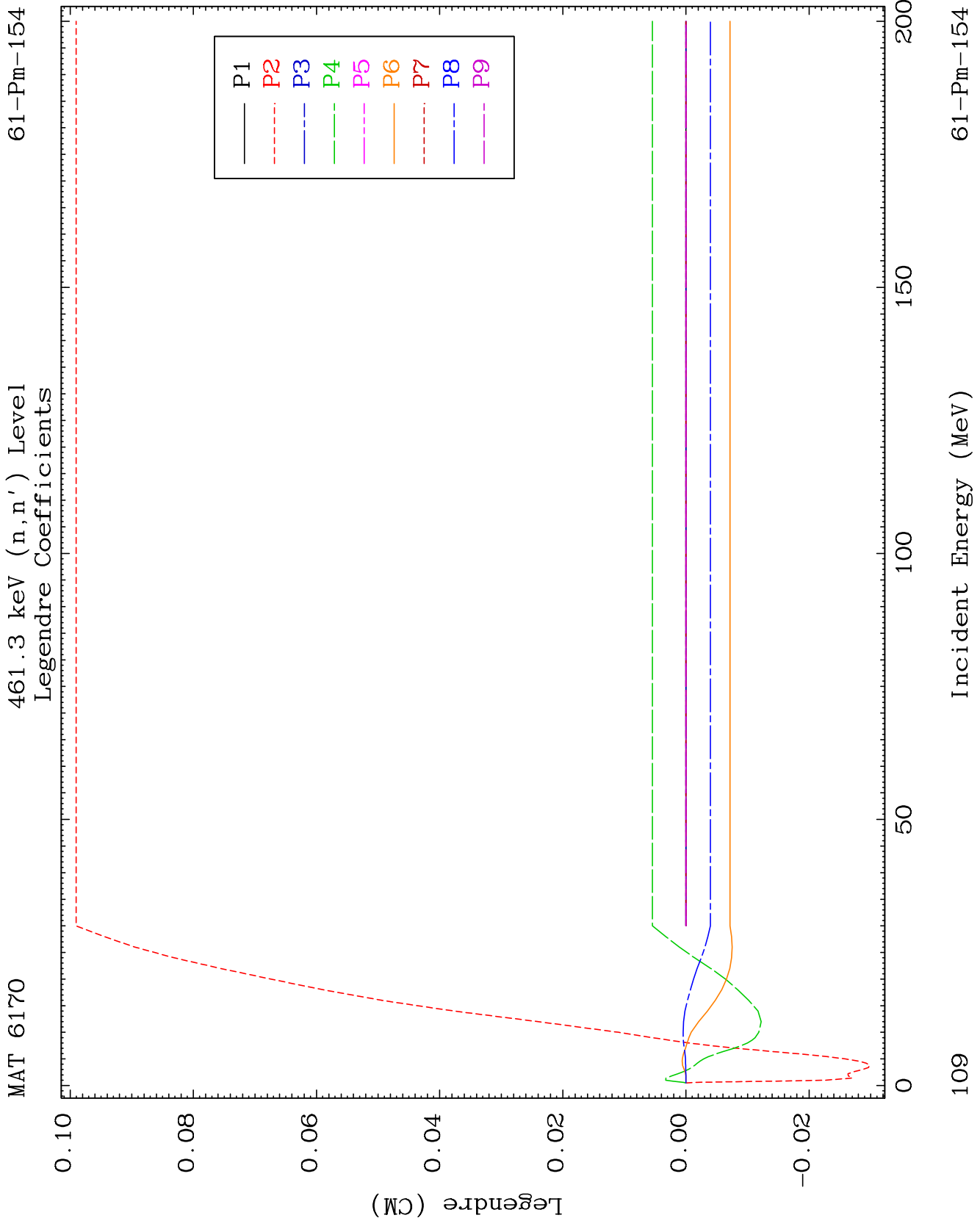


107

Incident Energy (MeV)

61-Pm-154

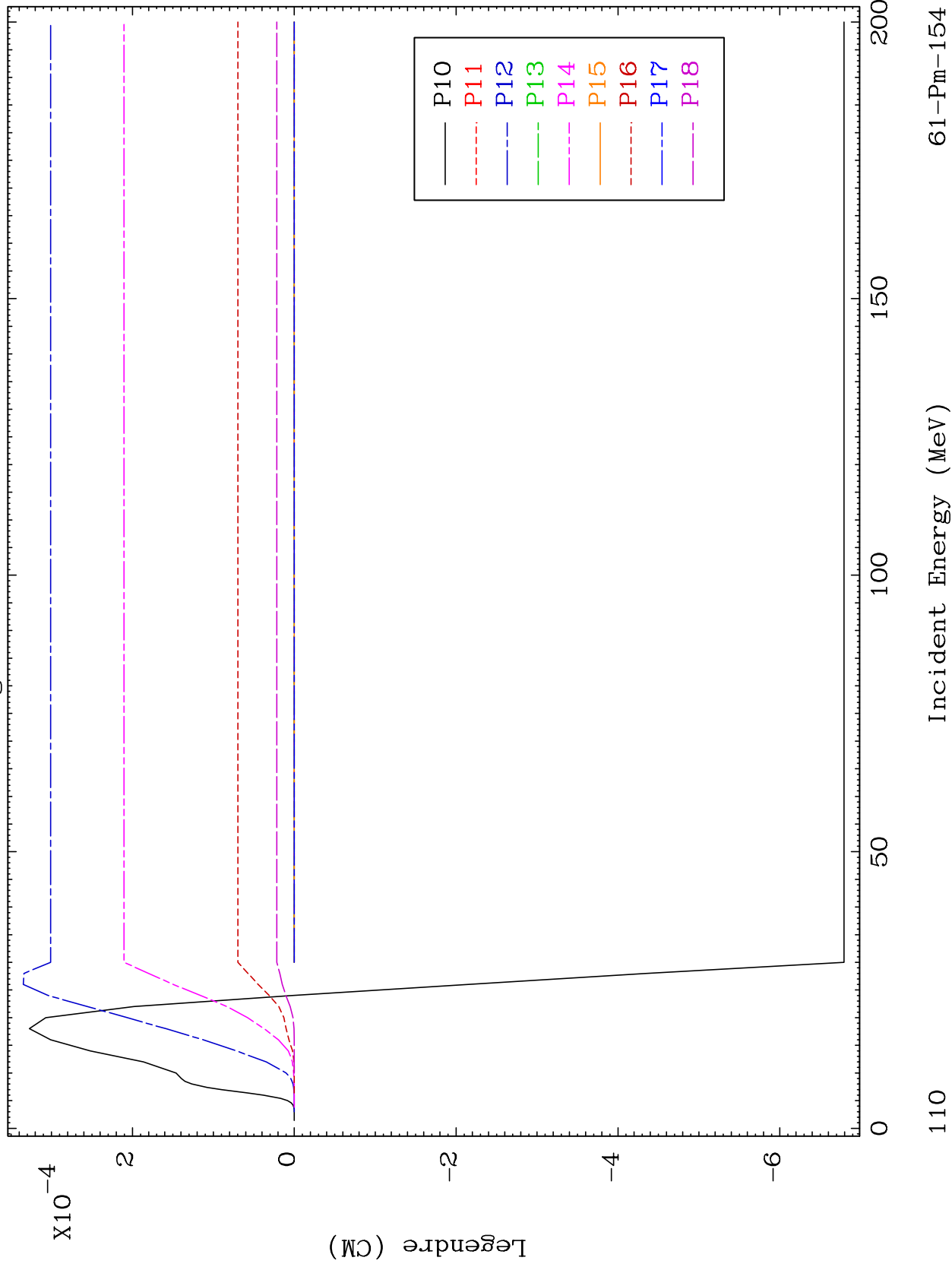




MAT 6170

461.3 keV (n,n') Level
Legendre Coefficients

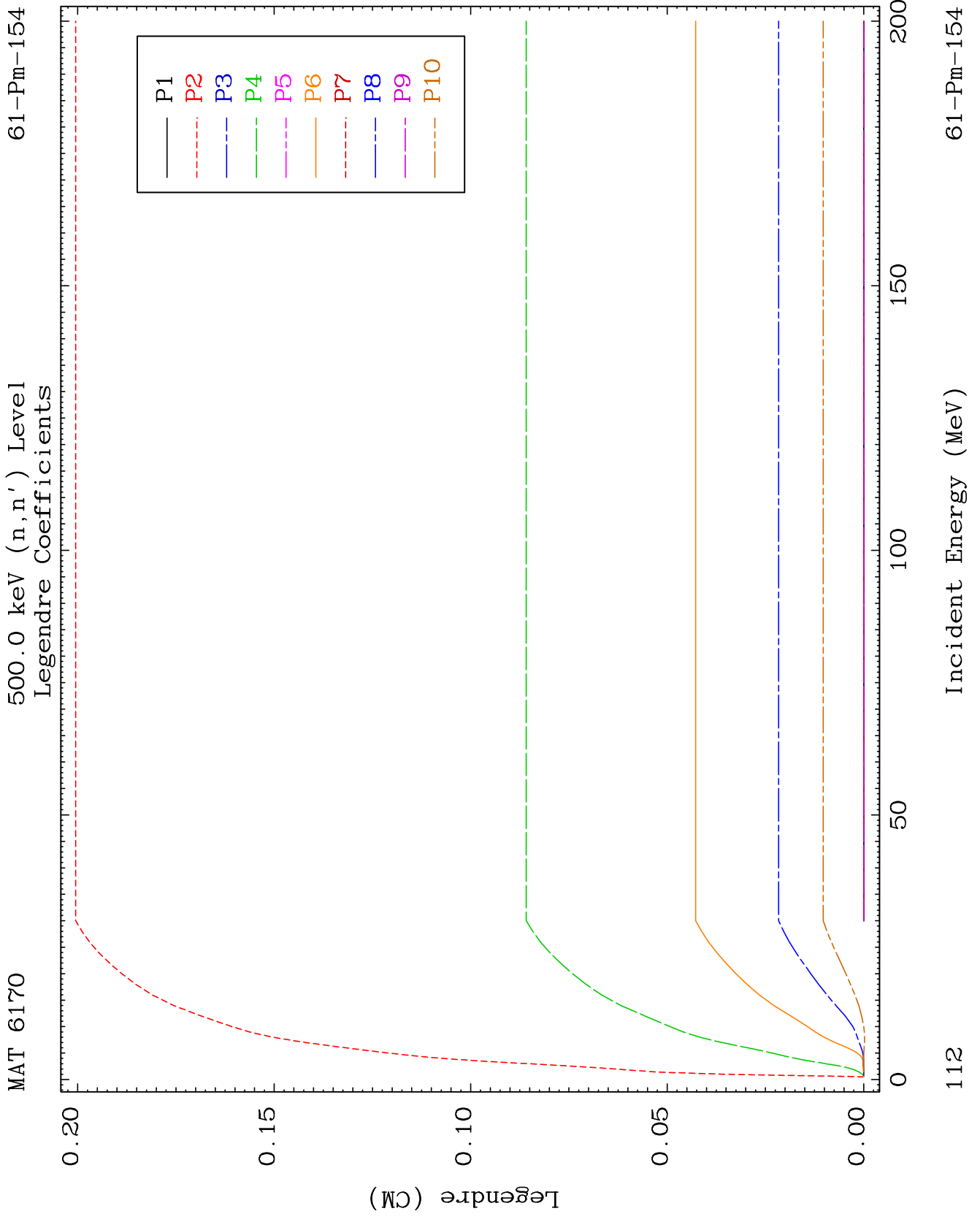
61-Pm-154

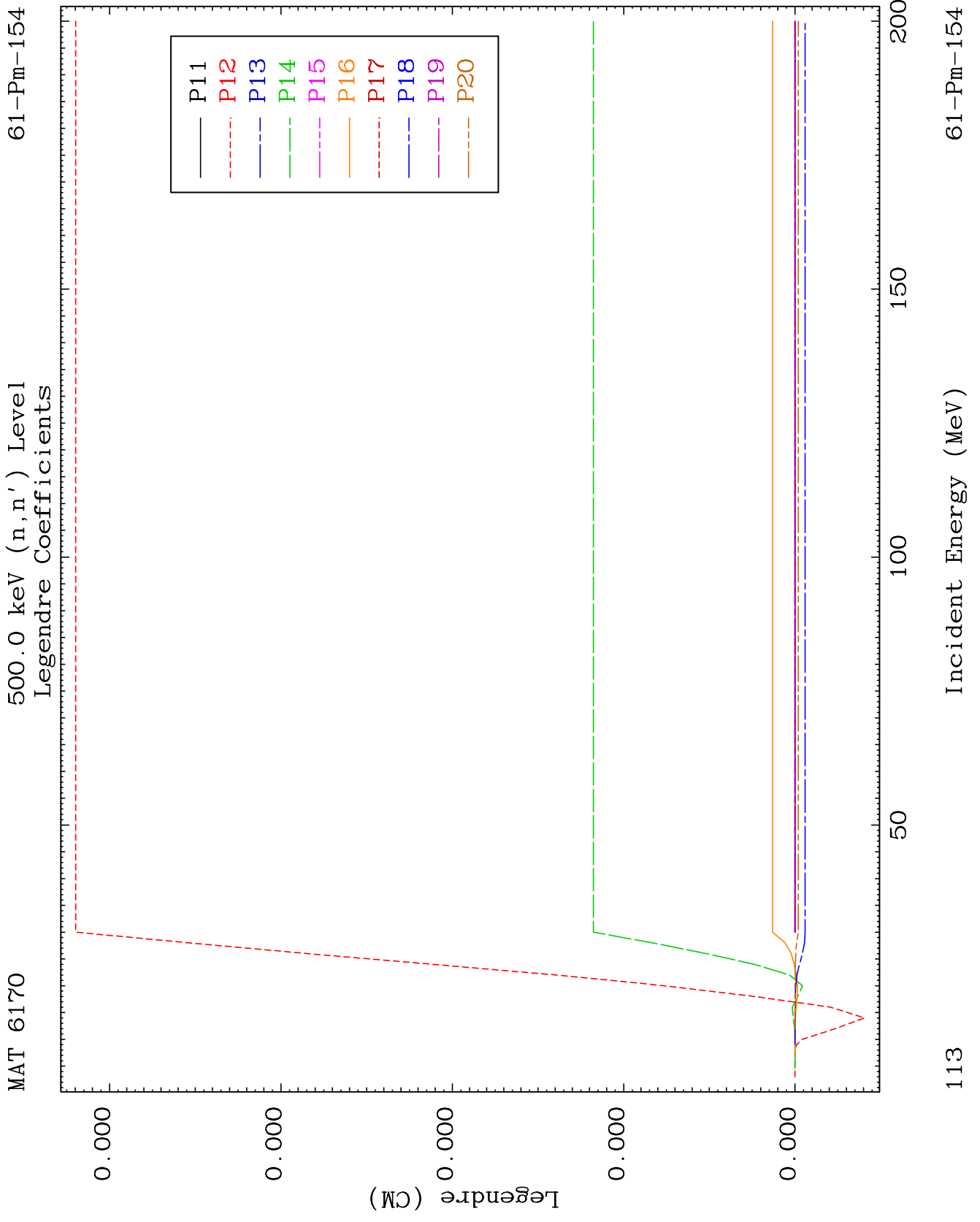


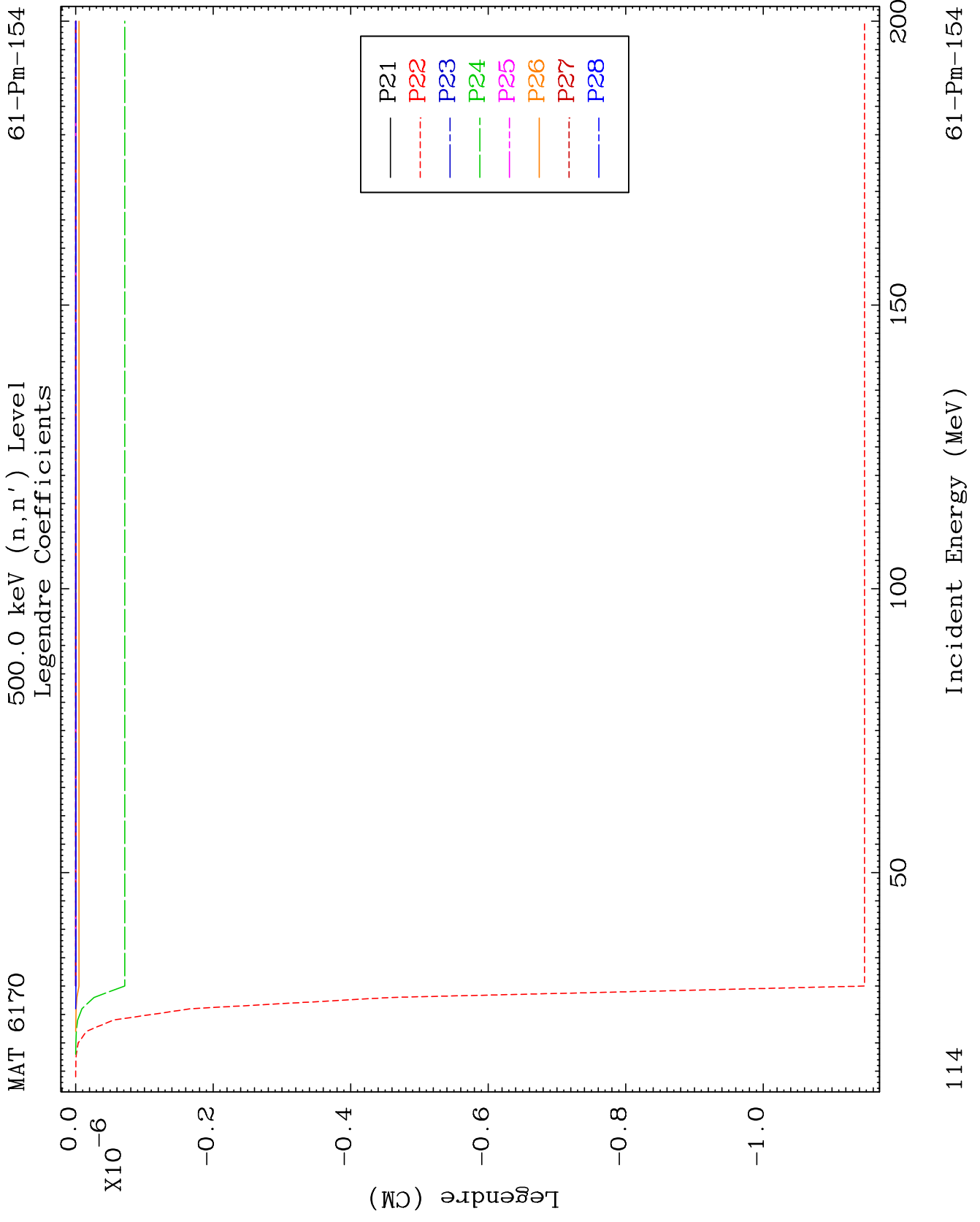
110

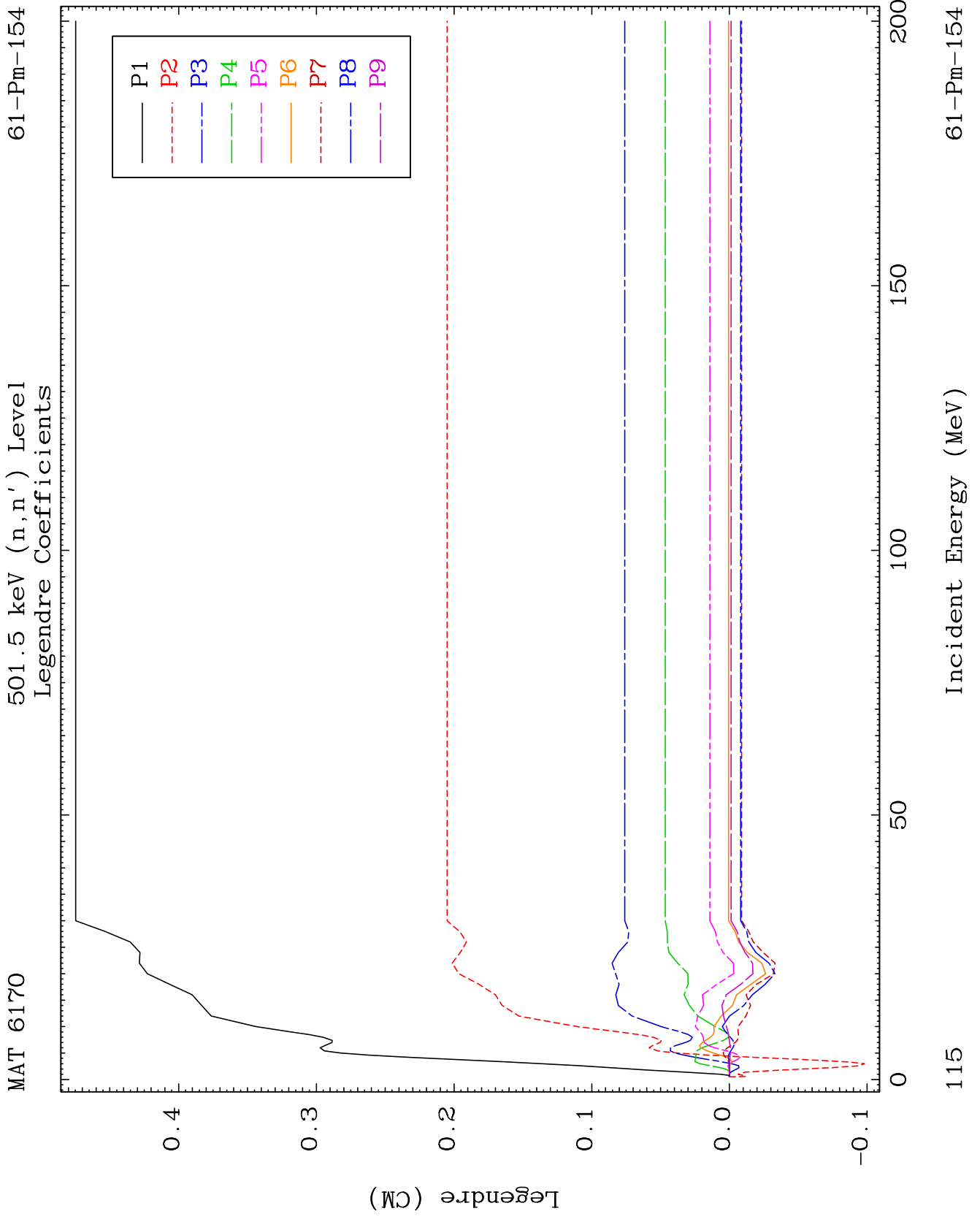
Incident Energy (MeV)

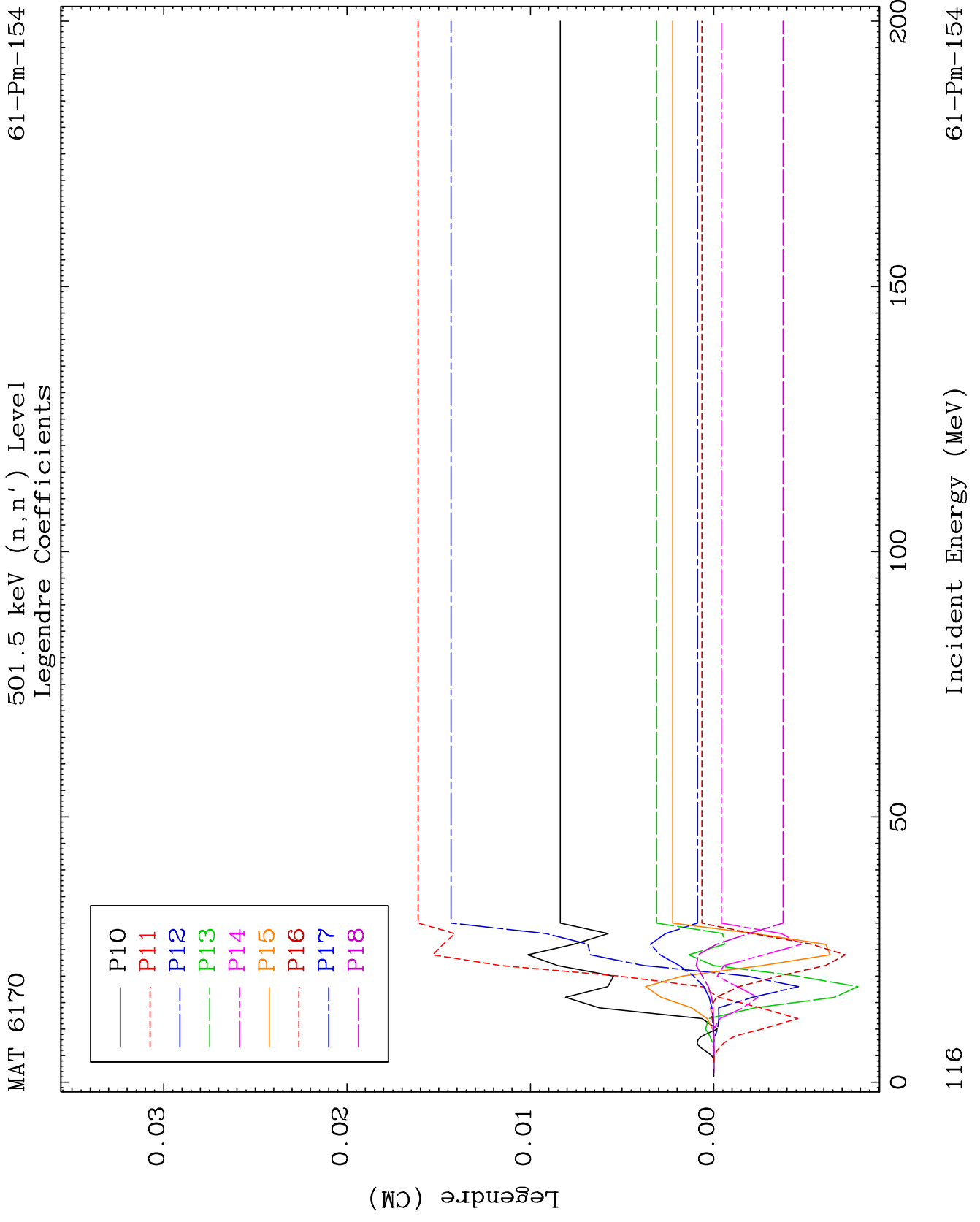
61-Pm-154

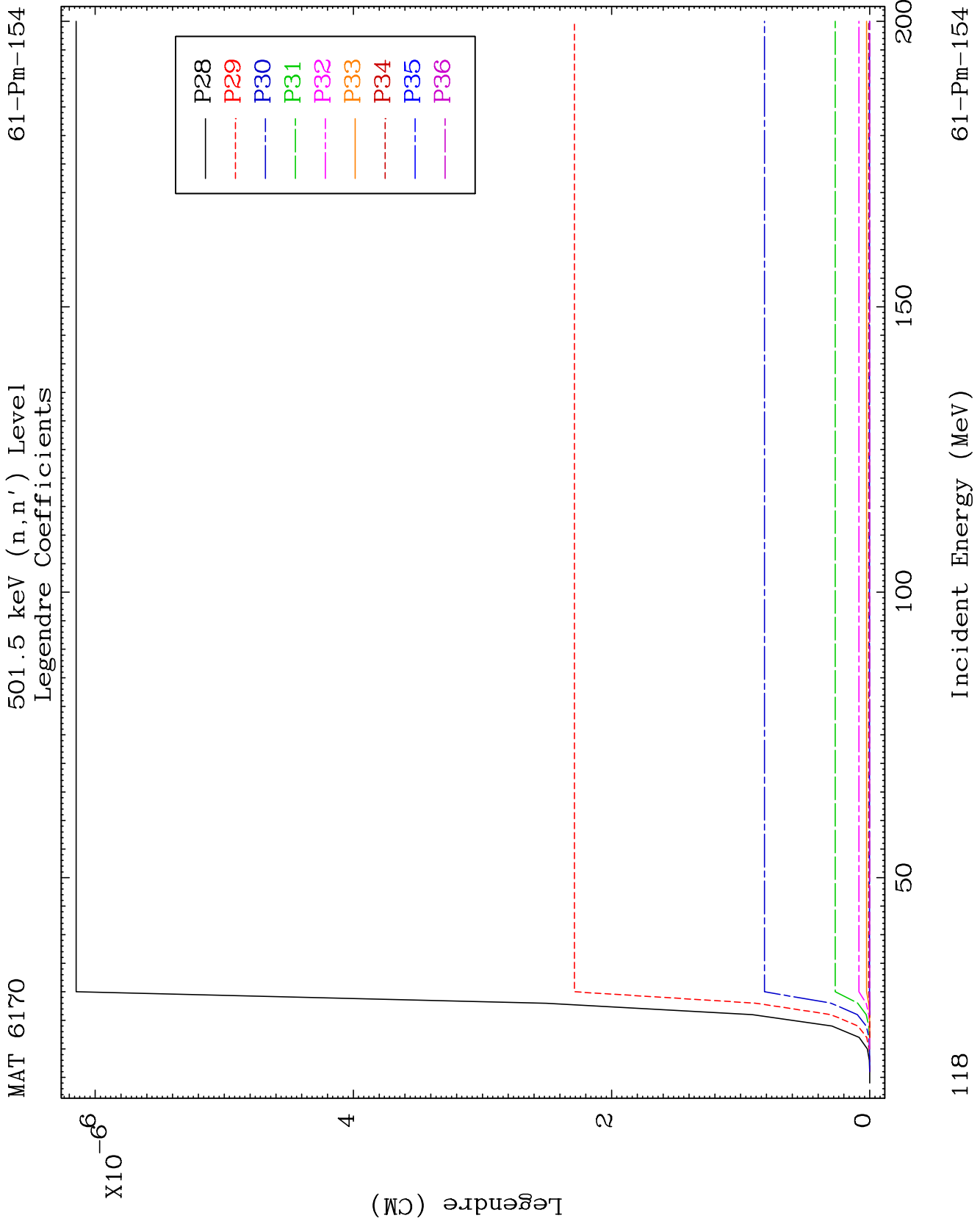


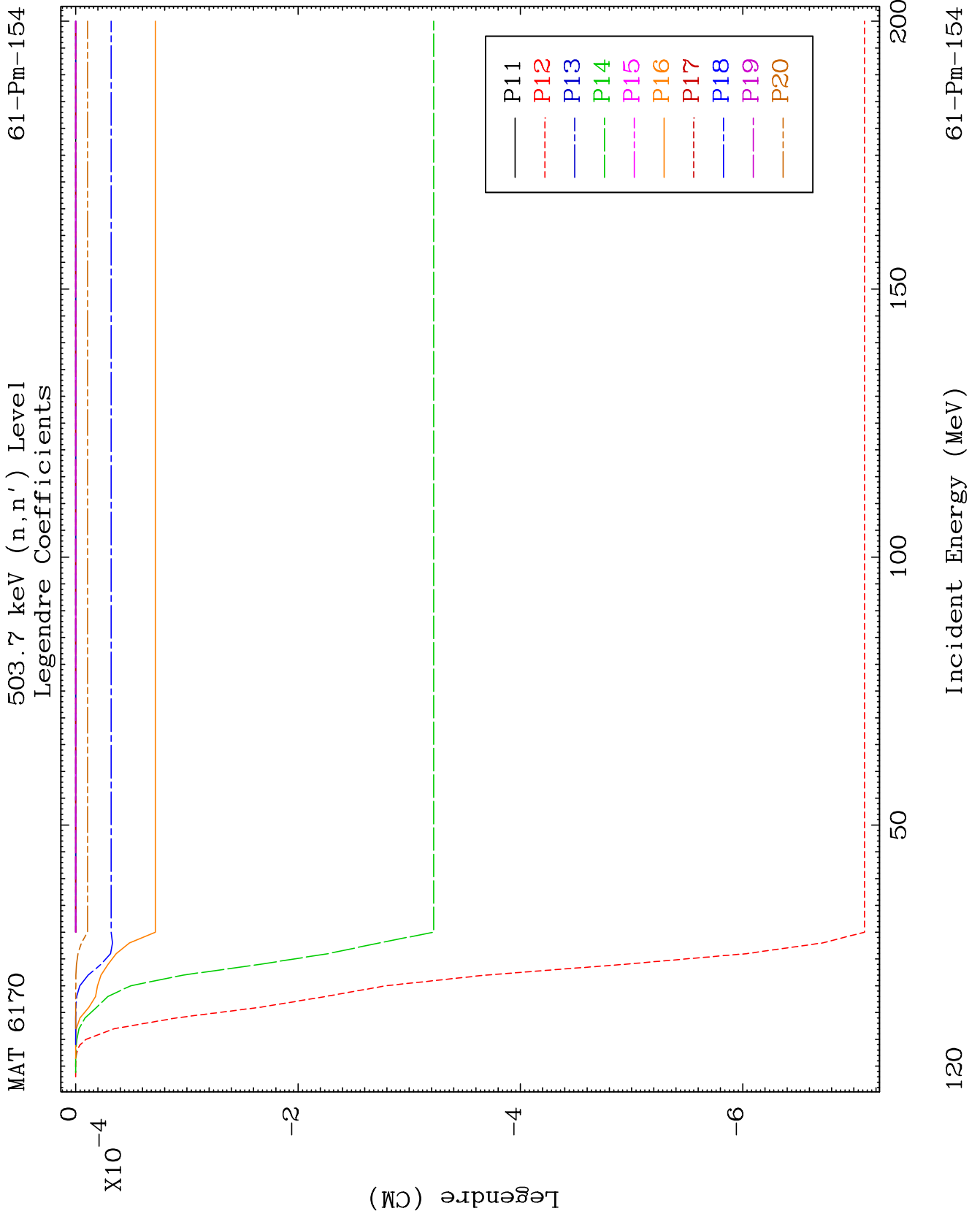


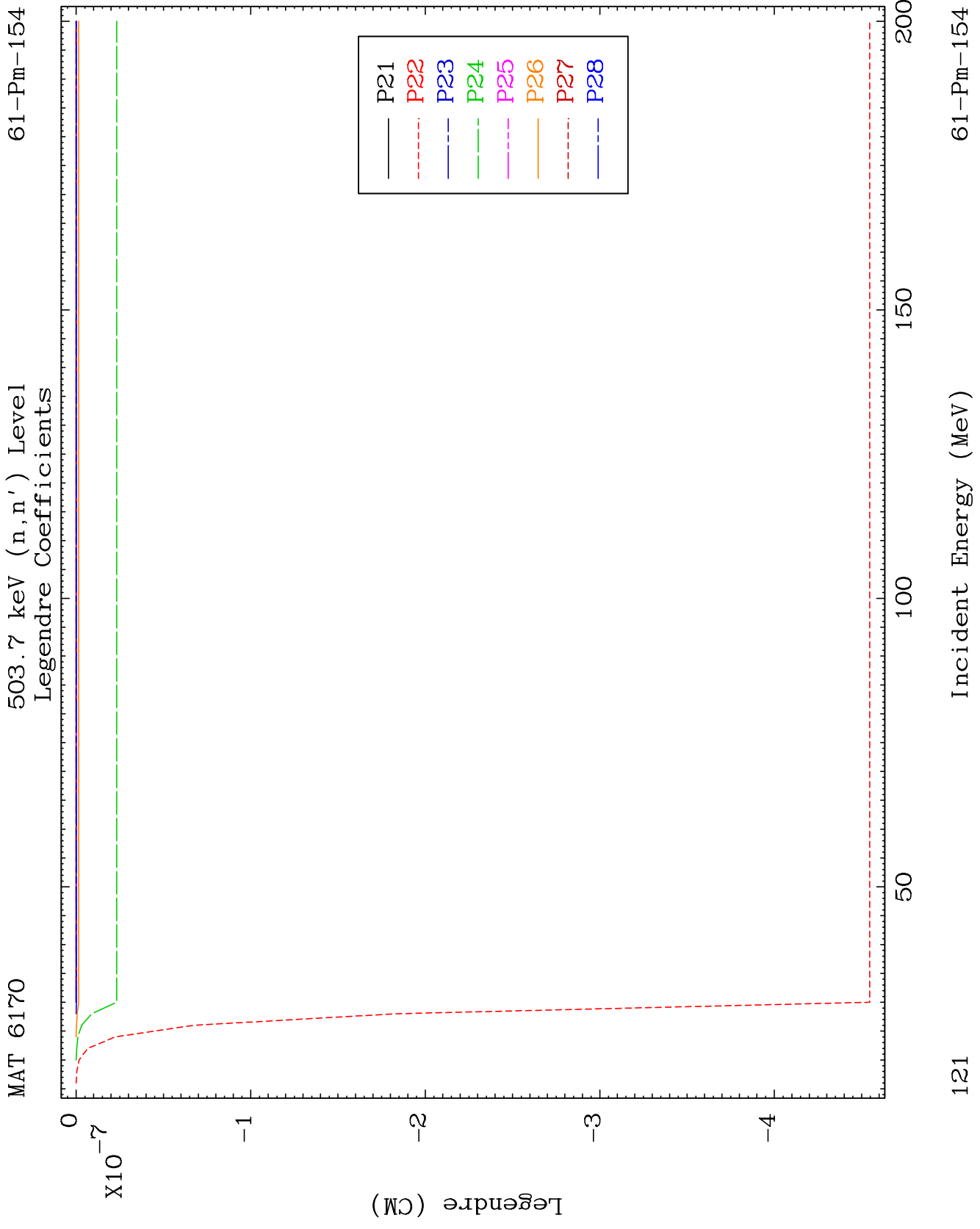








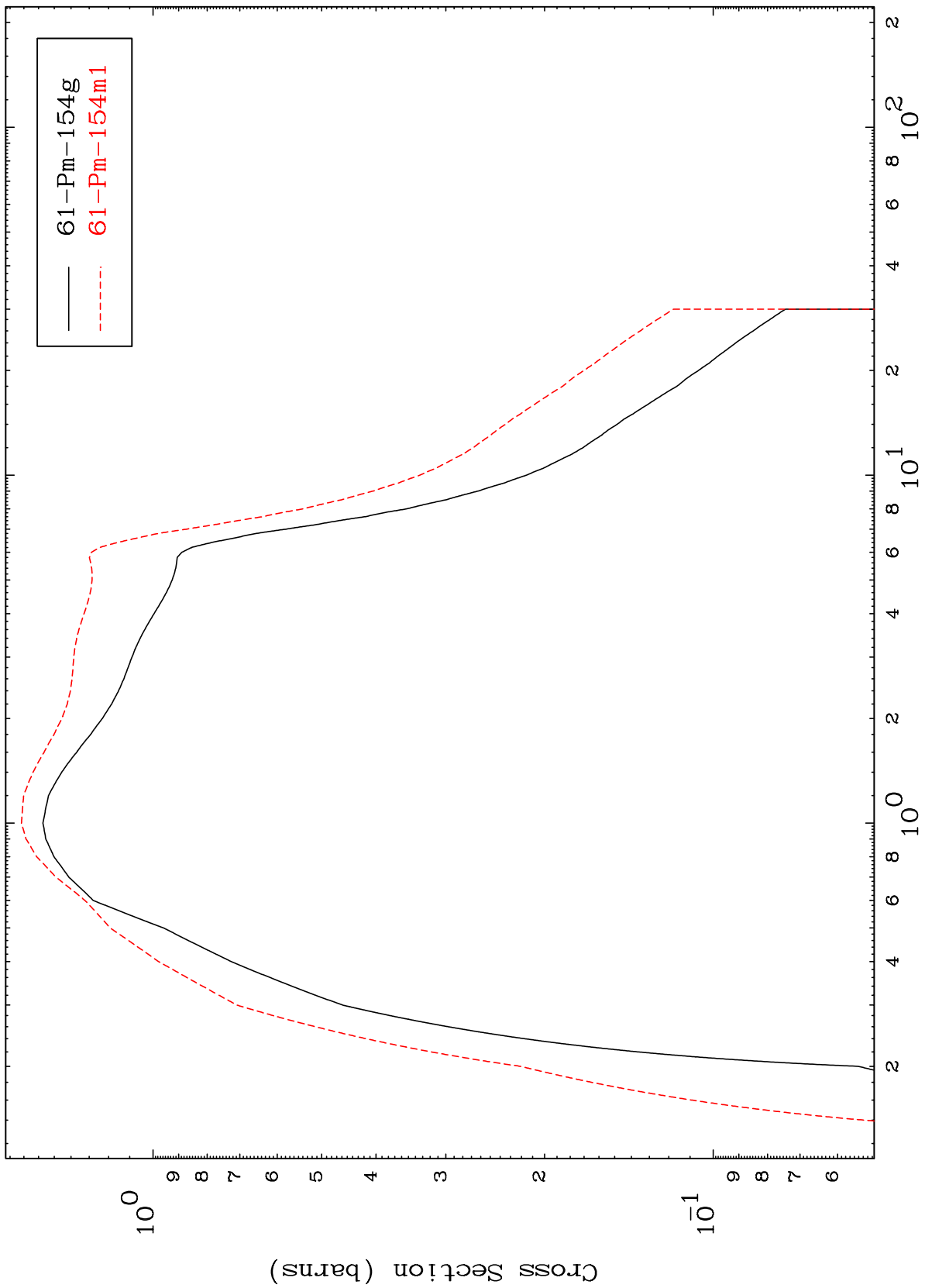




MAT 6170

61-Pm-154

Inelastic
Radionuclide Production Cross Section



122

Incident Energy (MeV)

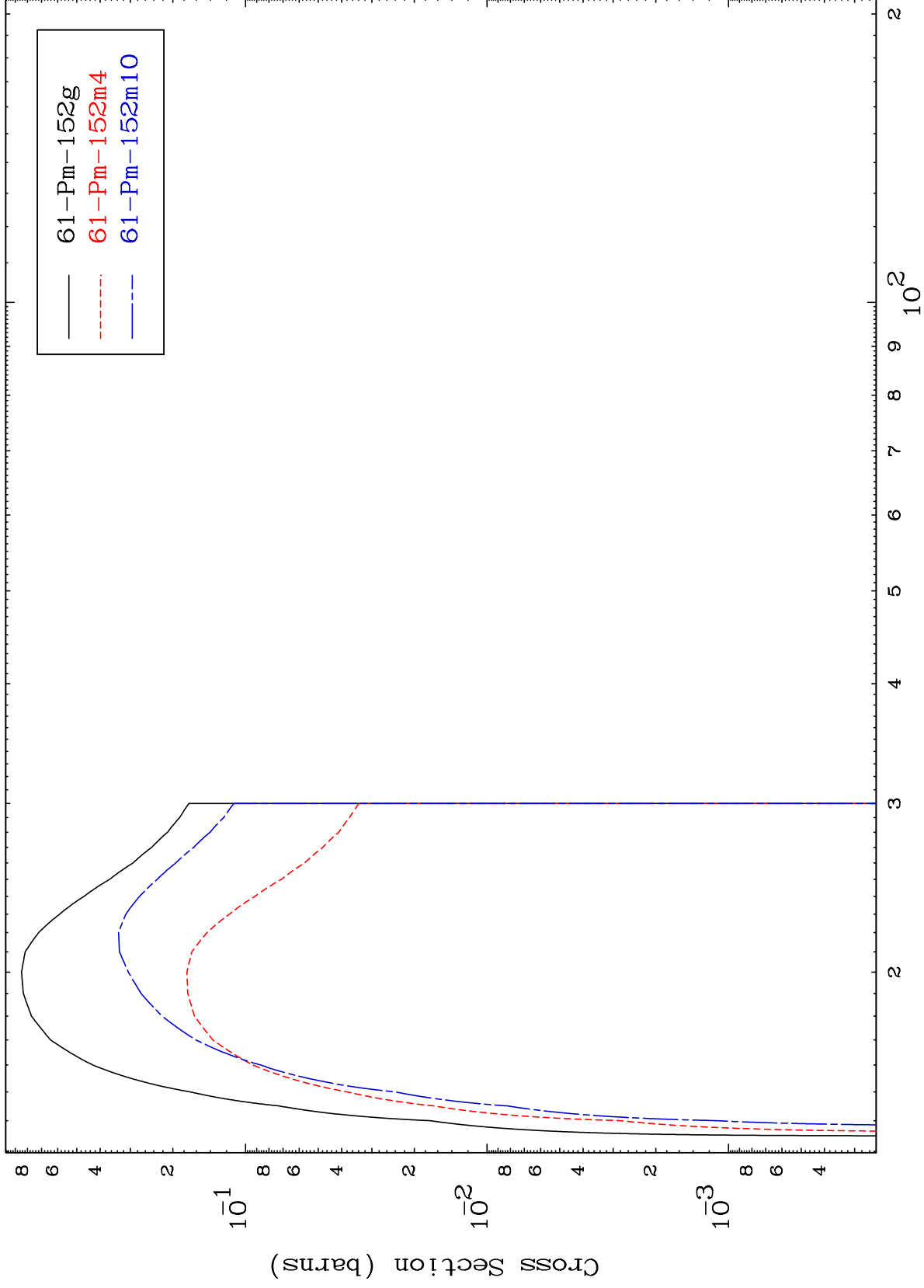
61-Pm-154

MAT 6170

(n,3n)

61-Pm-154

Radionuclide Production Cross Section



123

Incident Energy (MeV)

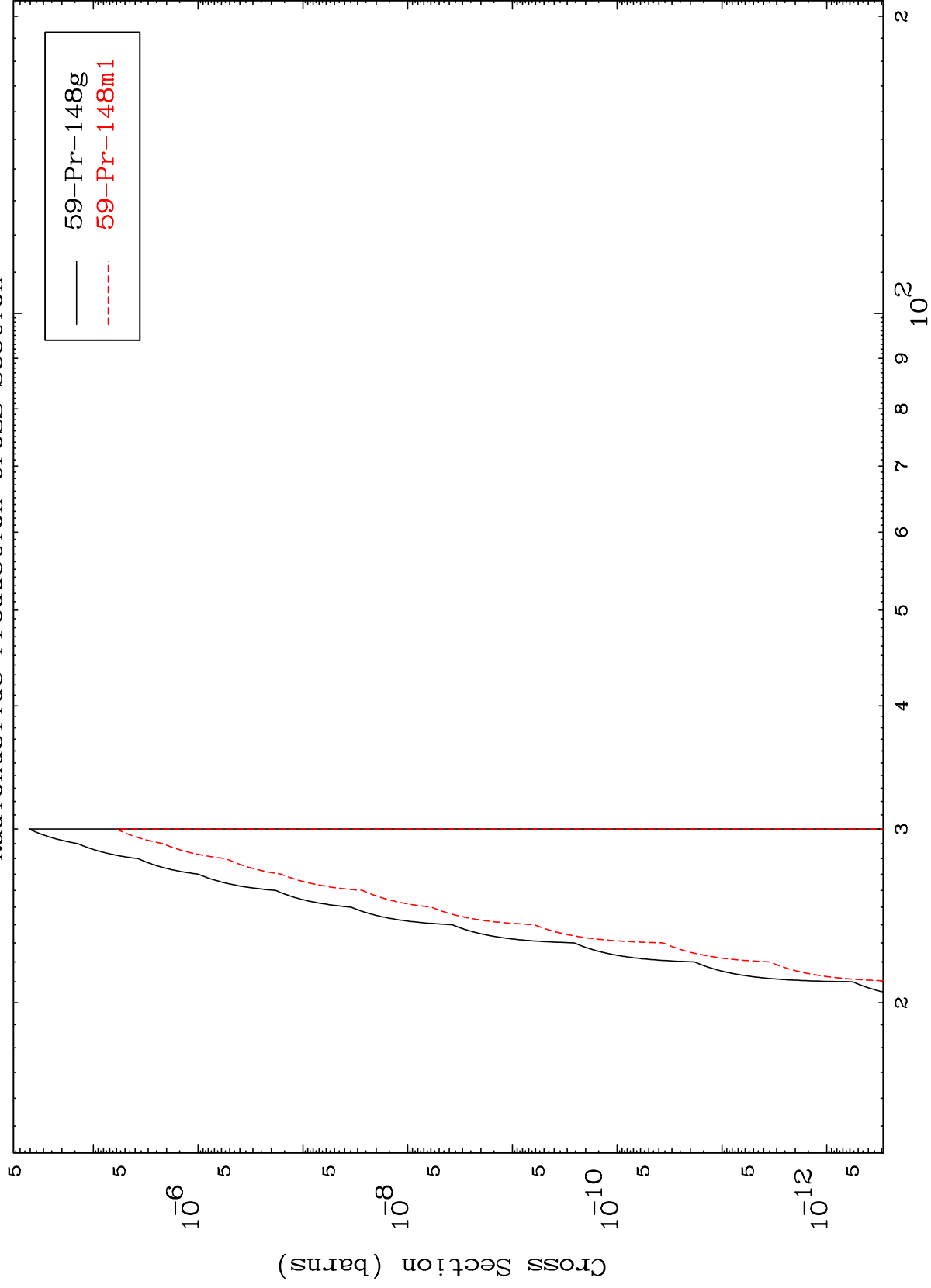
61-Pm-154

MAT 6170

(n,3n) α

61-Pm-154

Radionuclide Production Cross Section



124

Incident Energy (MeV)

61-Pm-154