

Program EVALPLOT
(Version 2015-2)

by

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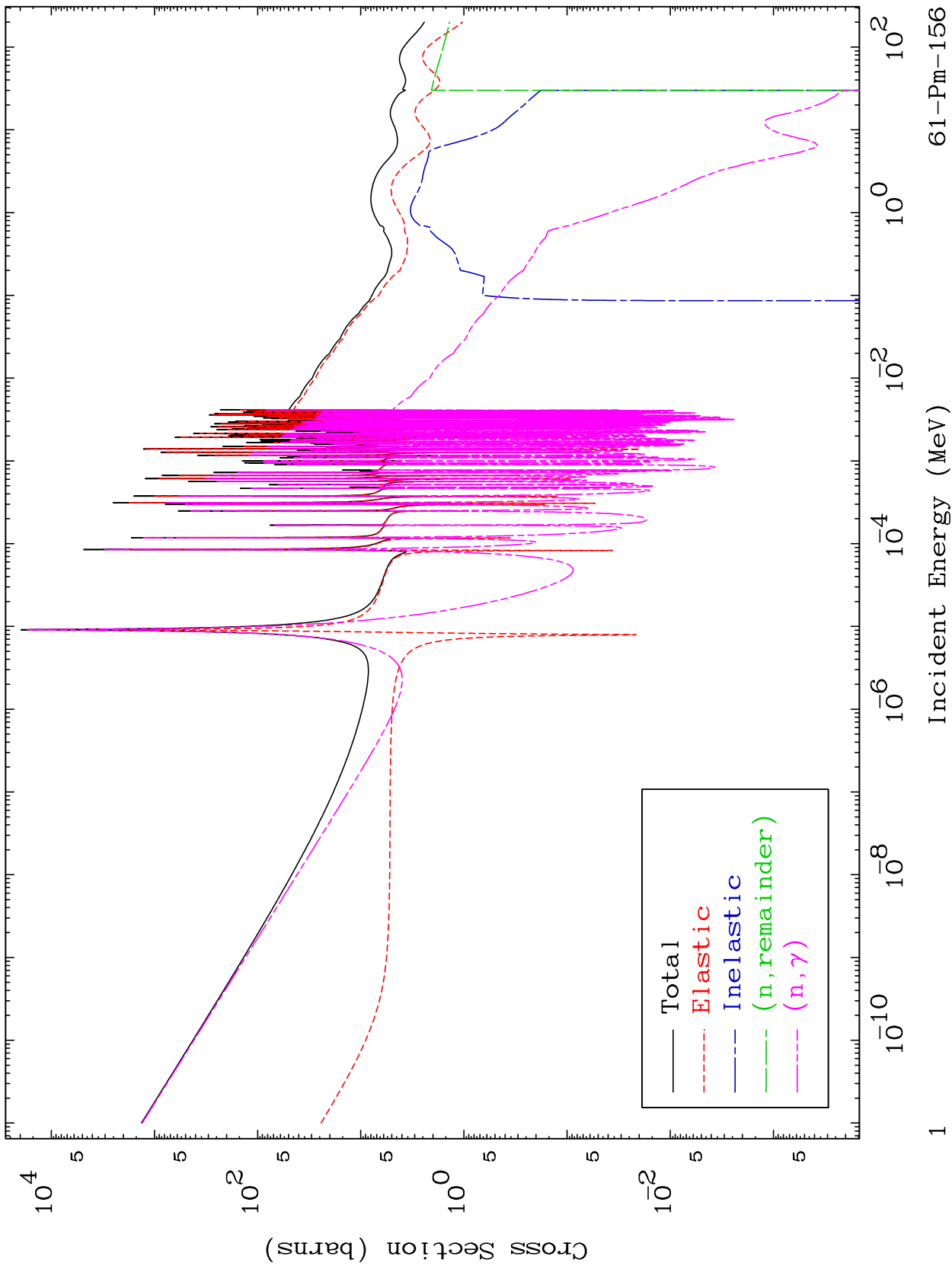
Press Mouse Button to Start

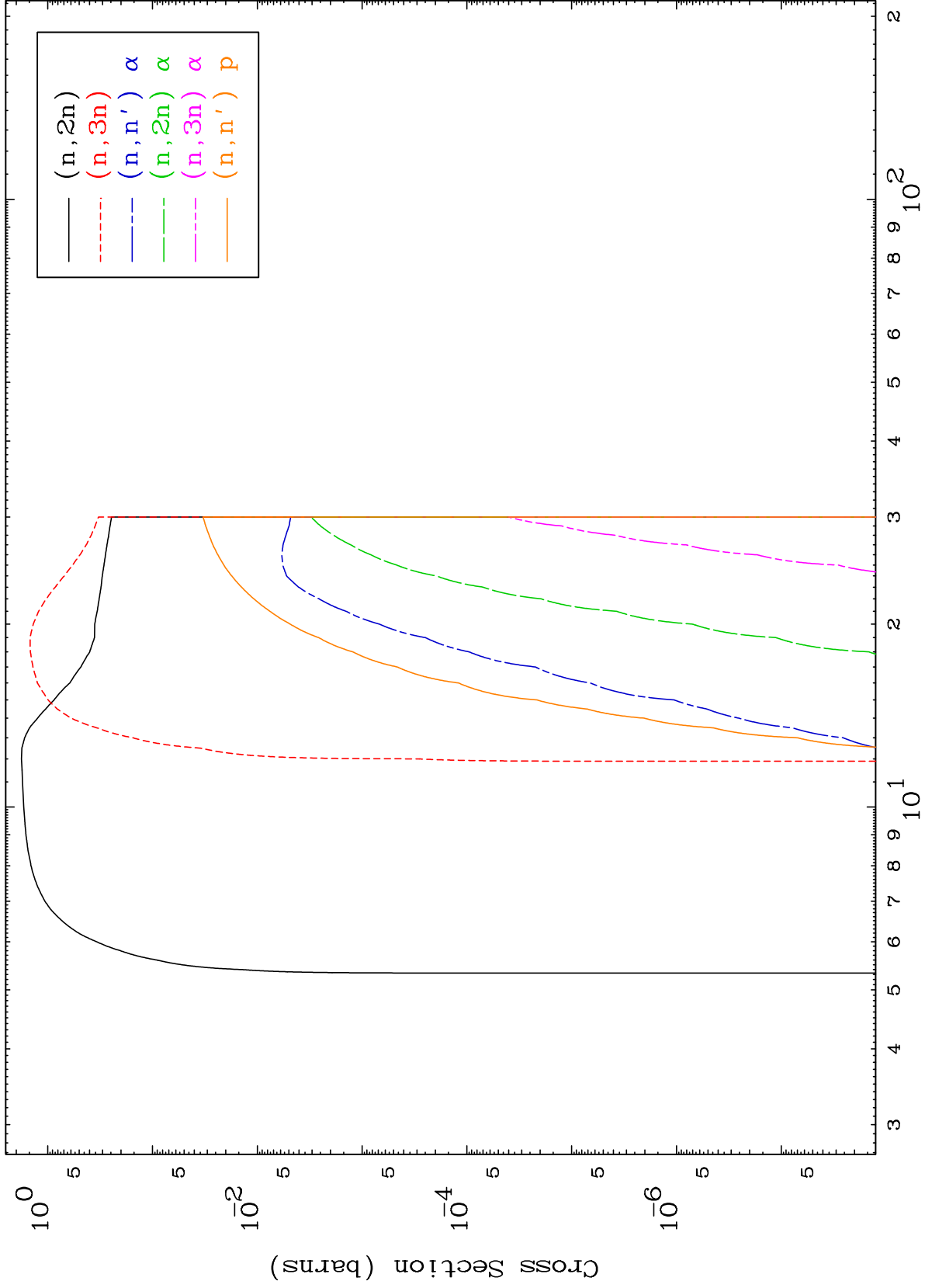
MAT 6176

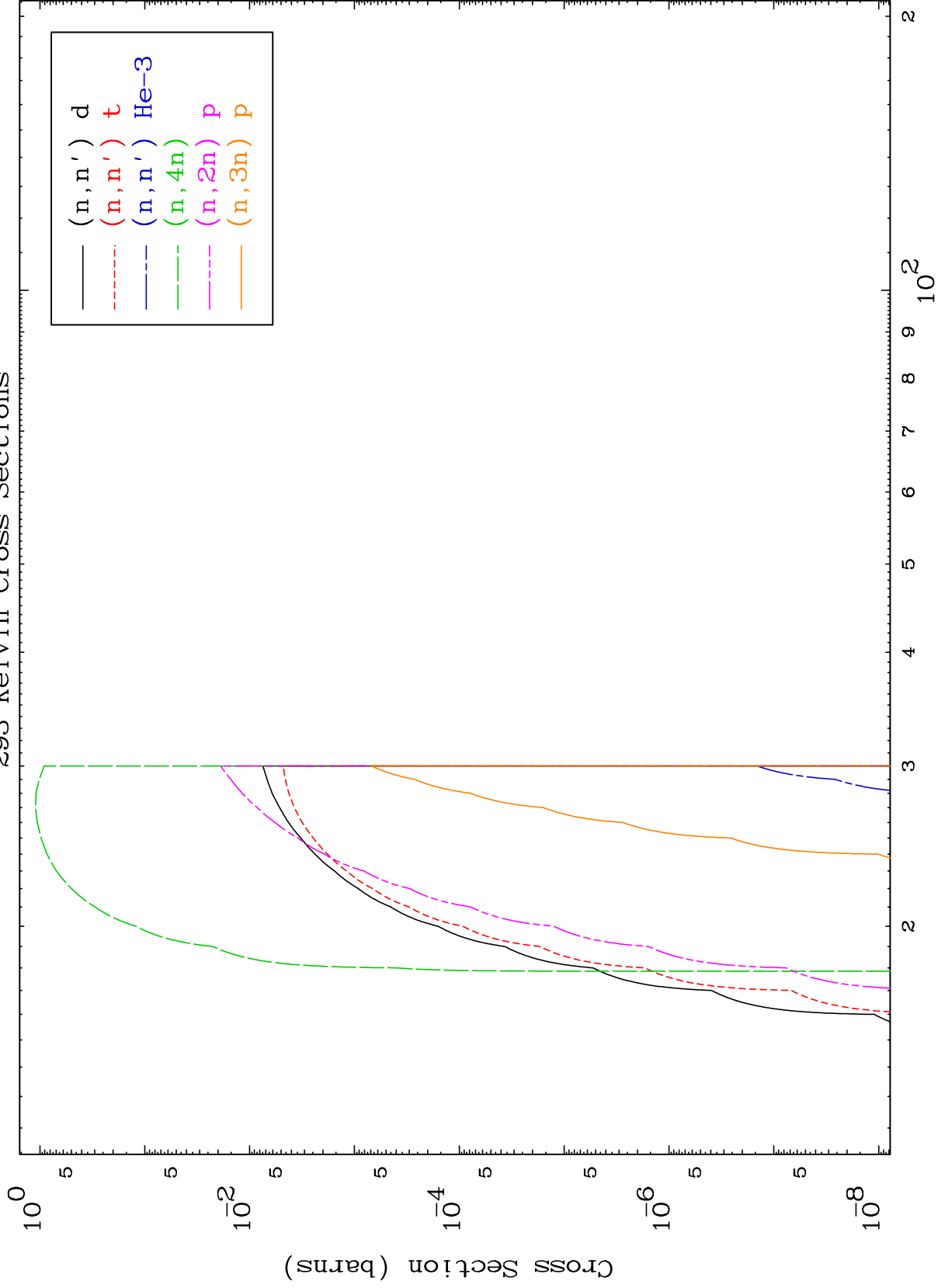
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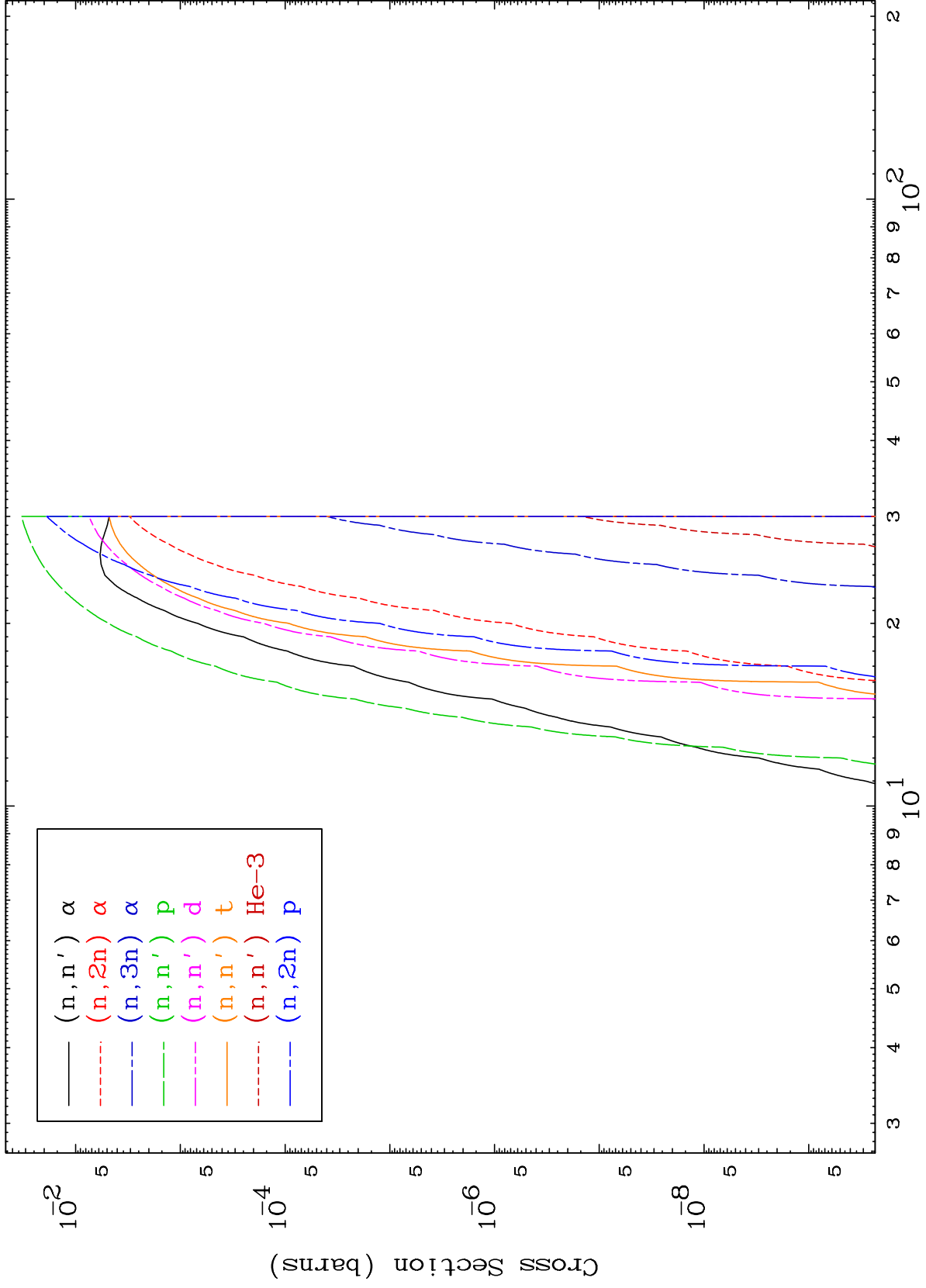
293 Kelvin Cross Sections

61-Pm-156





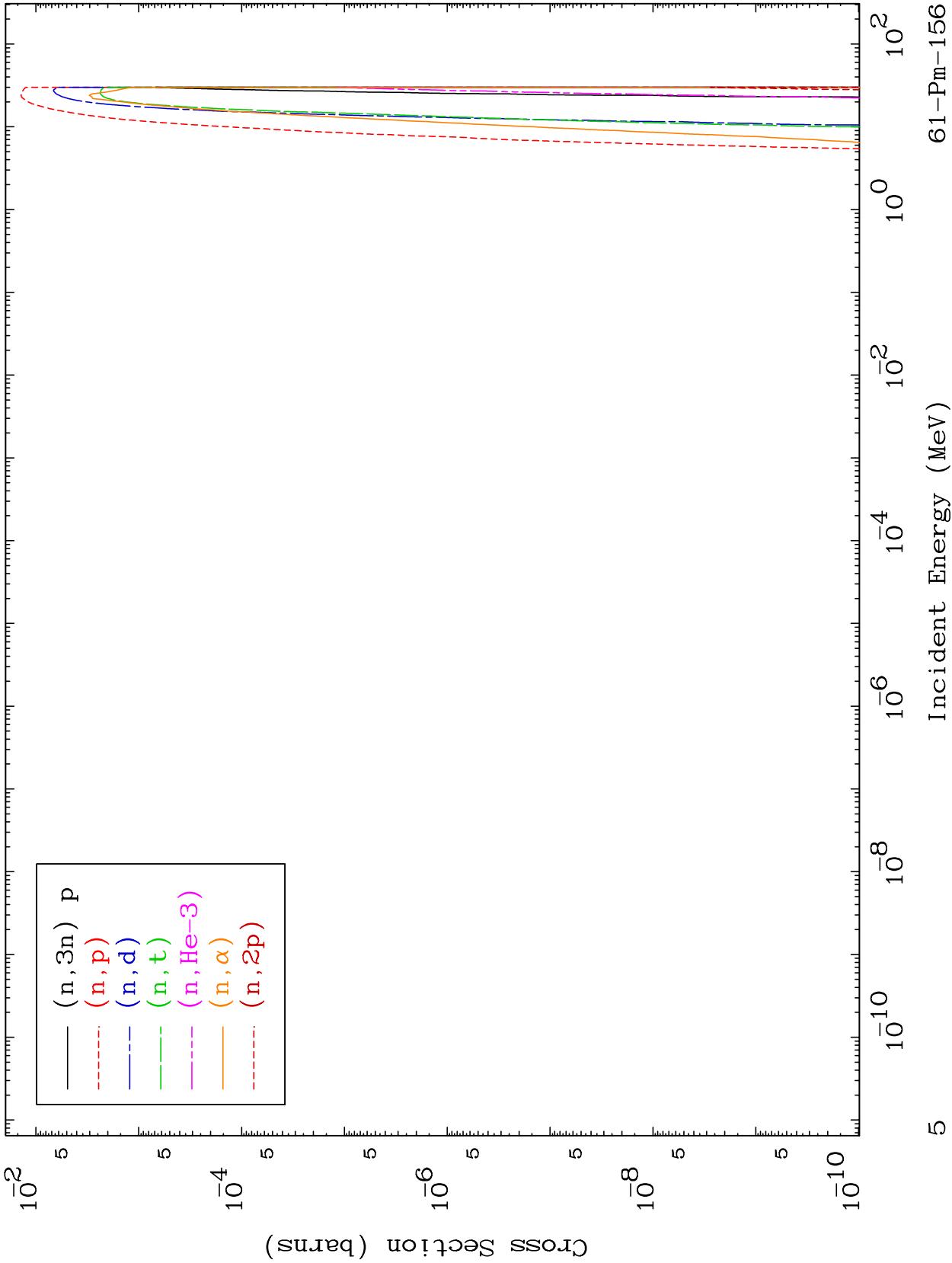




MAT 6176

Charged Particle
293 Kelvin Cross Sections

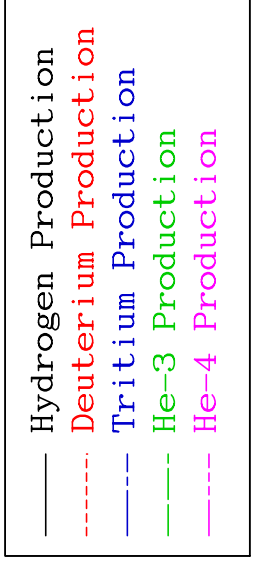
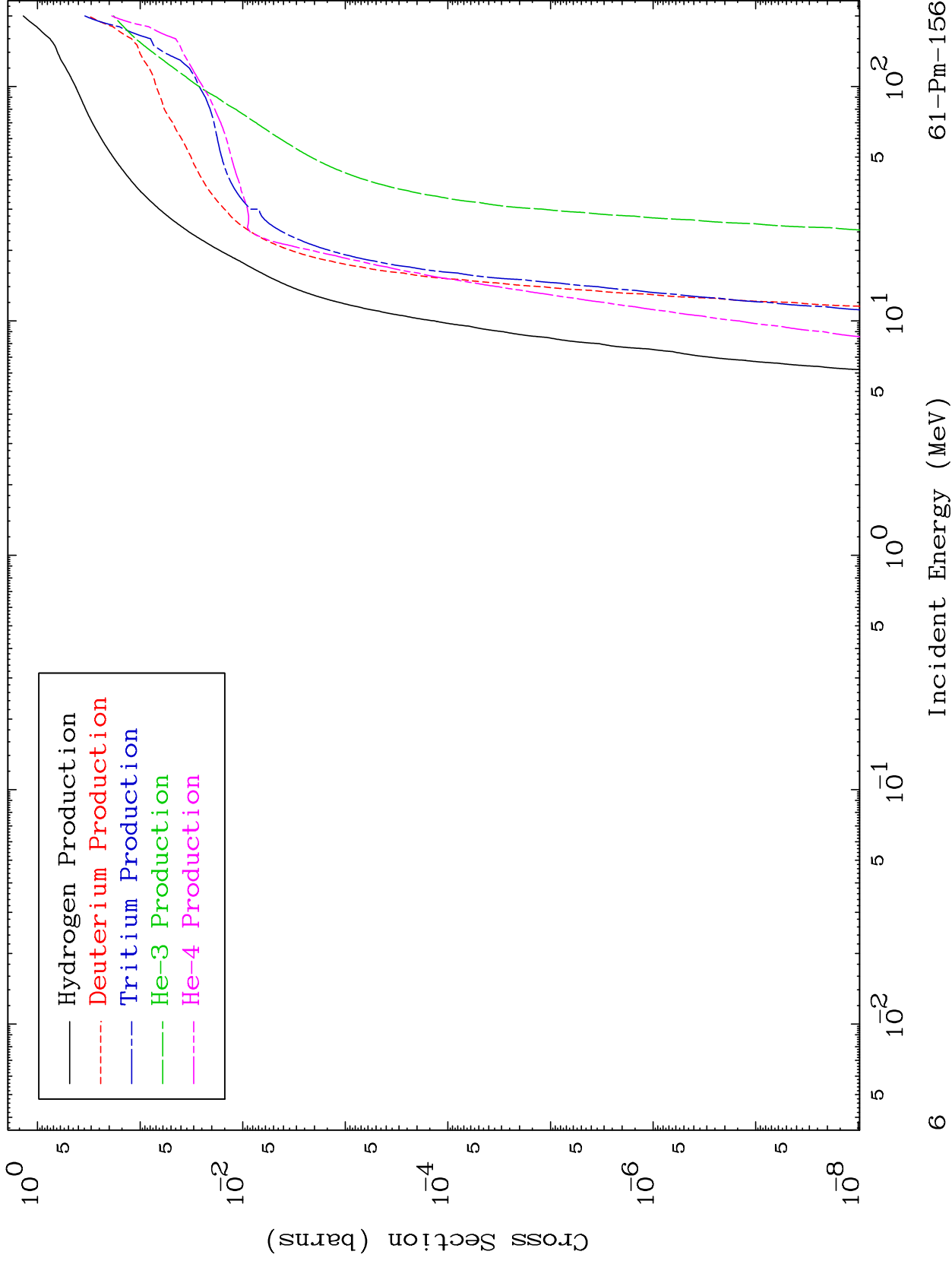
61-Pm-156



MAT 6176

Particle Production
293 Kelvin Cross Sections

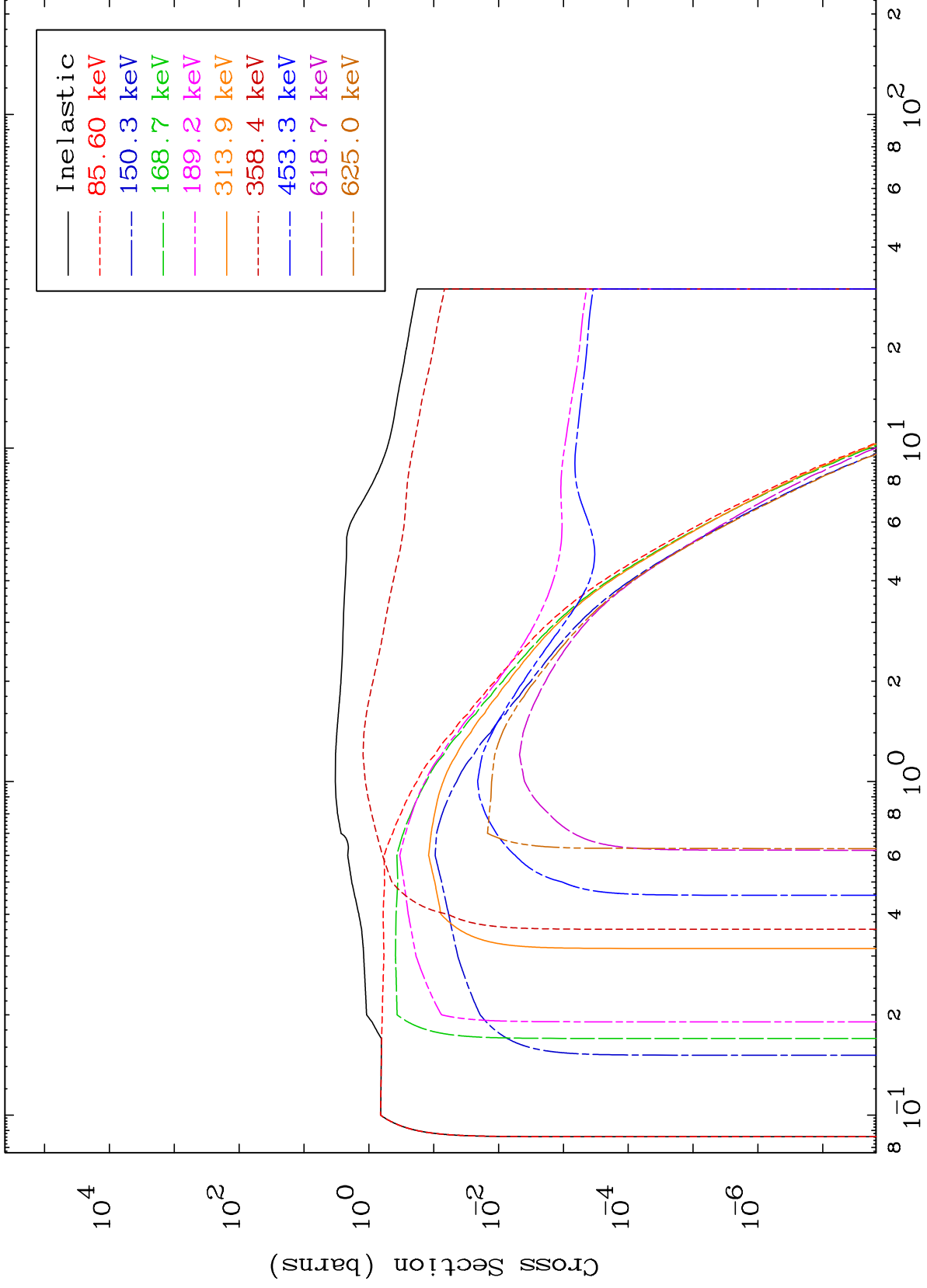
61-Pm-156



MAT 6176

(n,n') Level
293 Kelvin Cross Sections

61-Pm-156



7

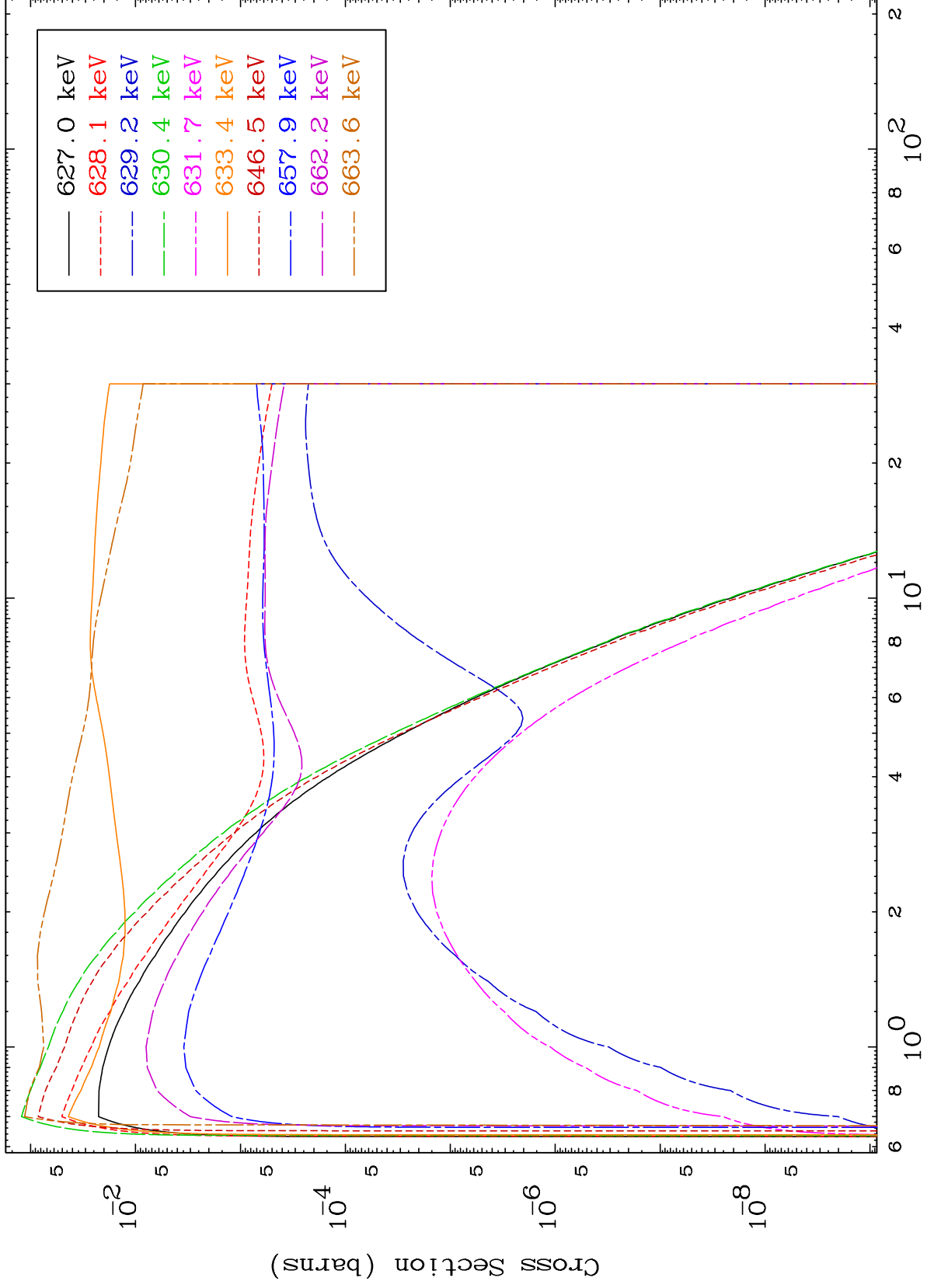
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n,n') Level
293 Kelvin Cross Sections

61-Pm-156



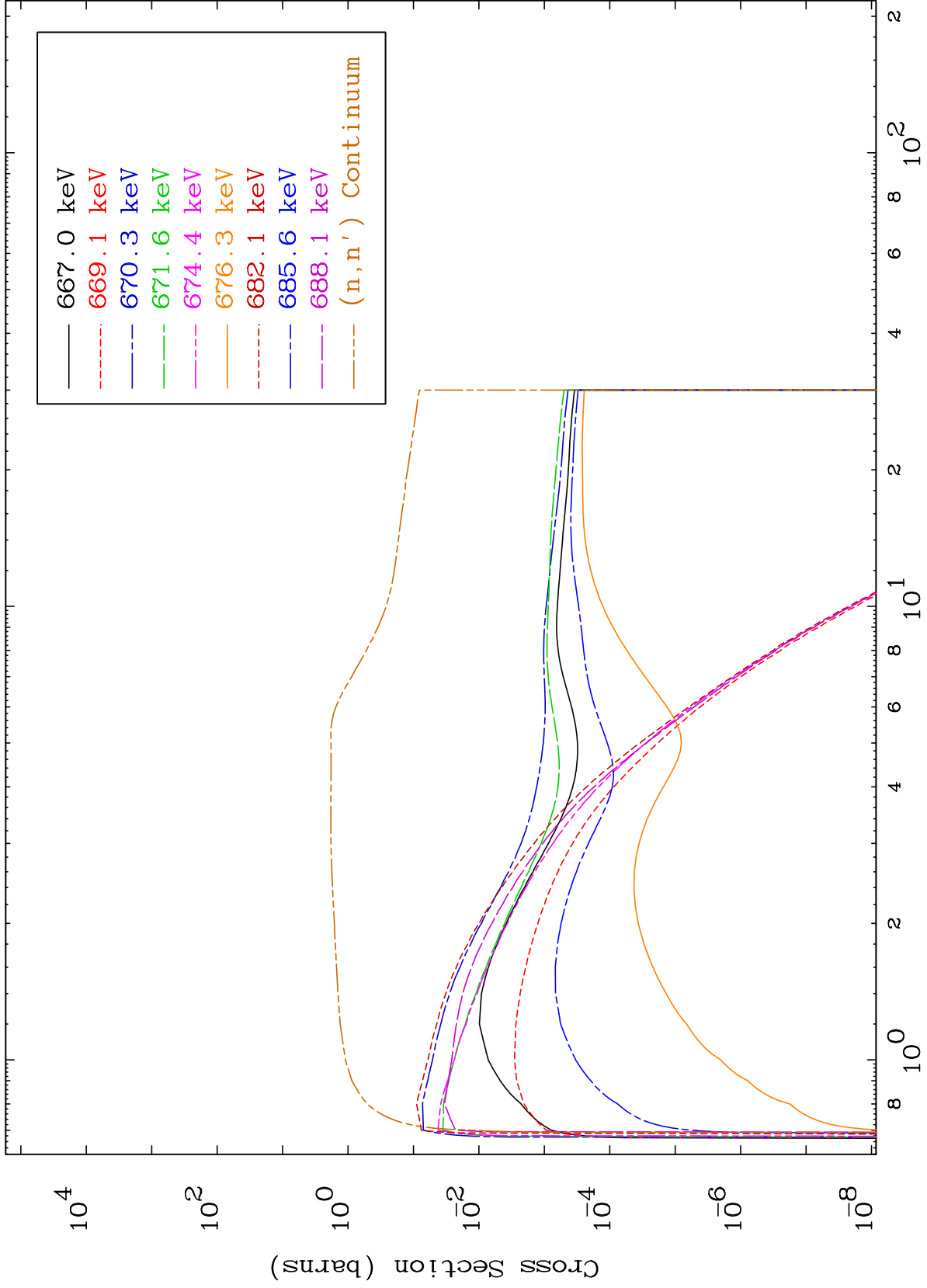
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n,n') Level
293 Kelvin Cross Sections

61-Pm-156



9

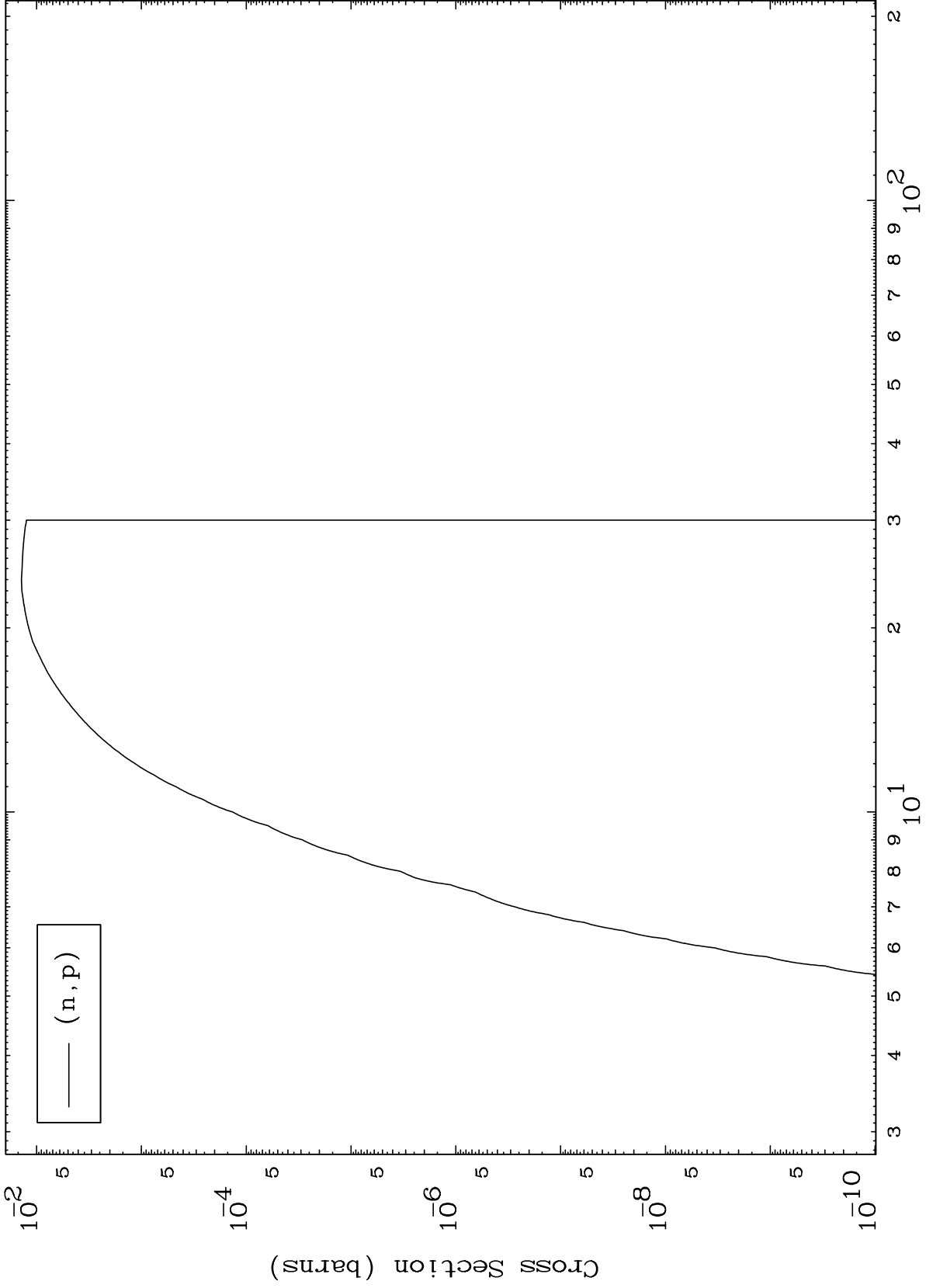
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-156



10

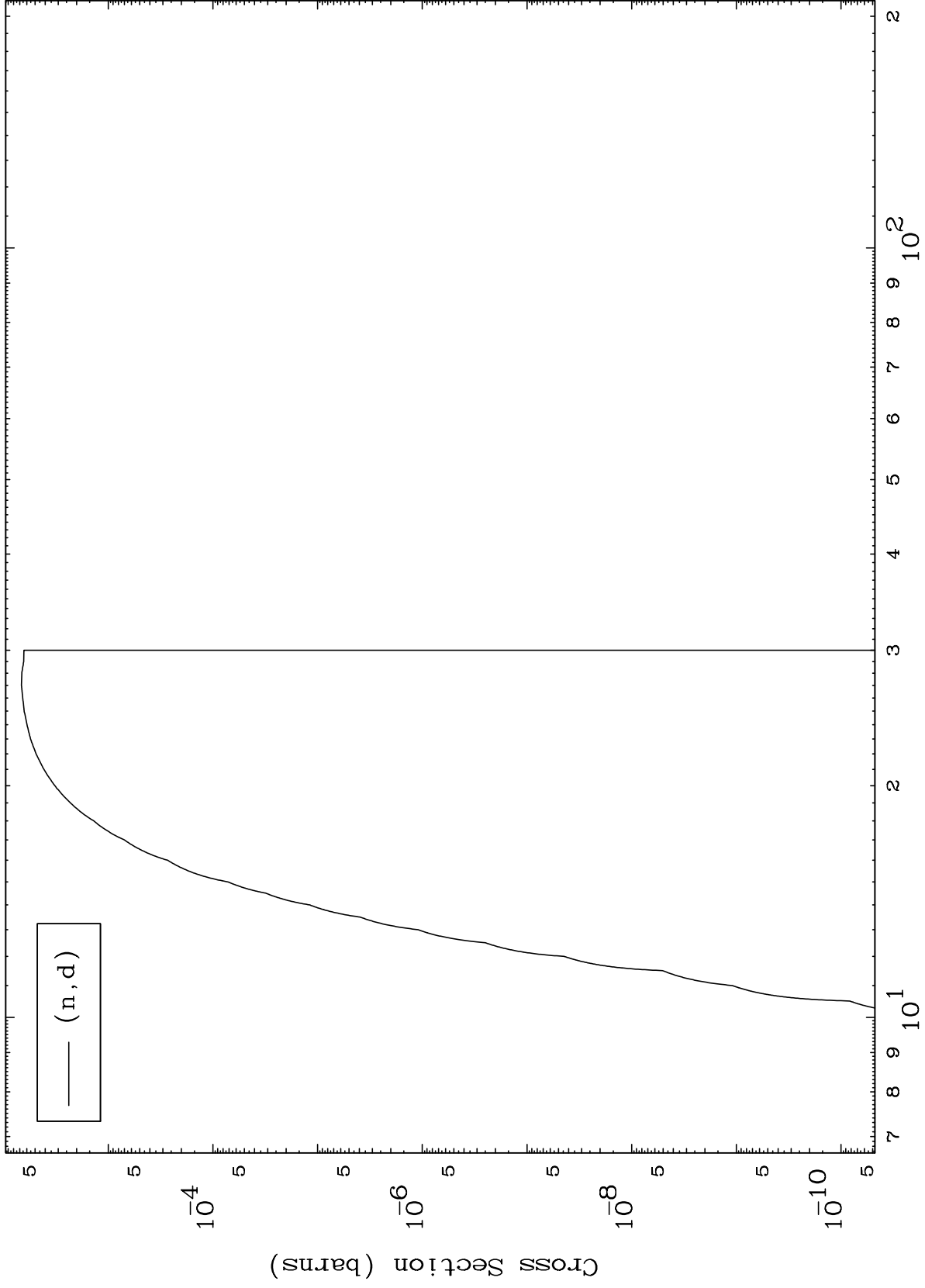
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-156



11

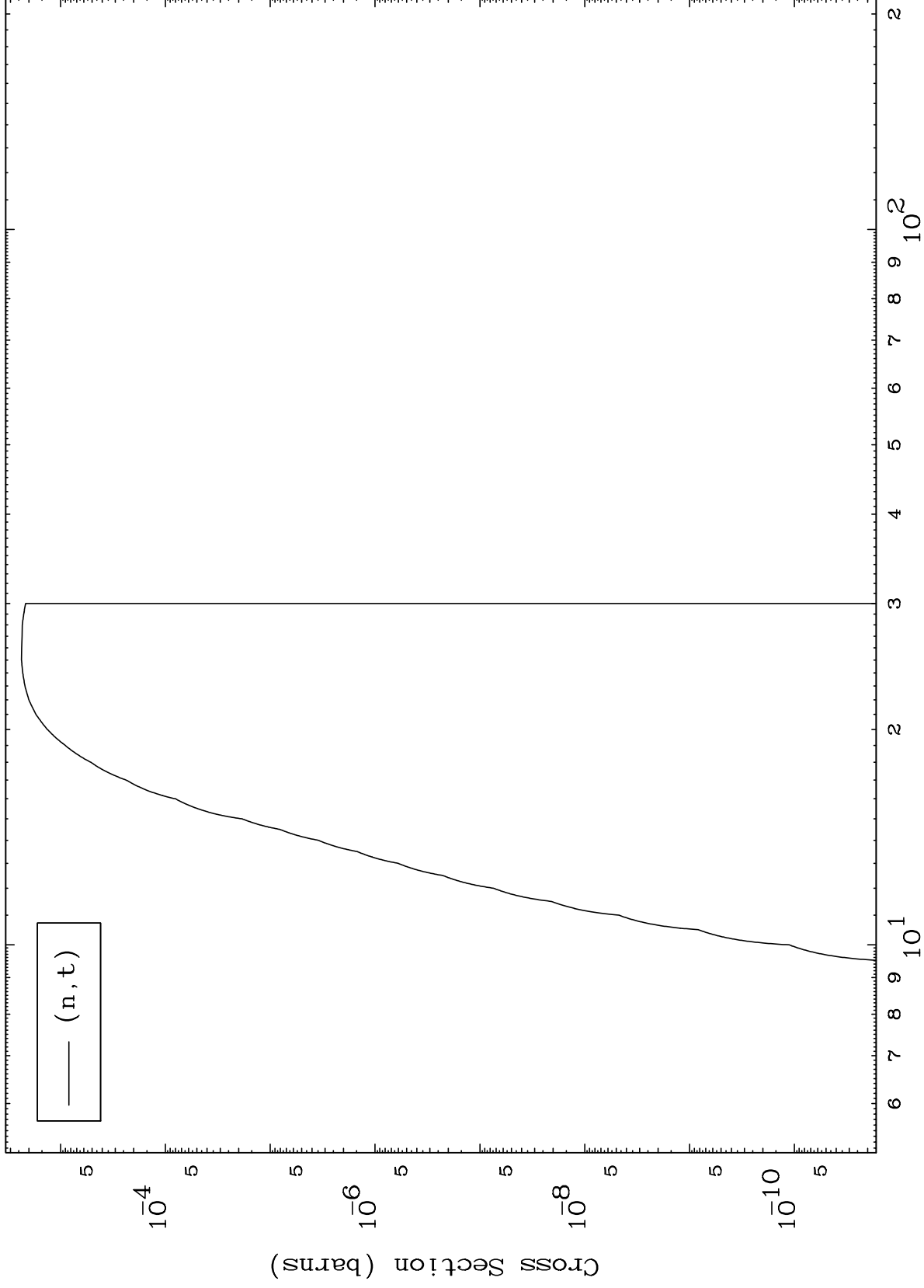
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n, t) Levels
293 Kelvin Cross Sections

61-Pm-156



12

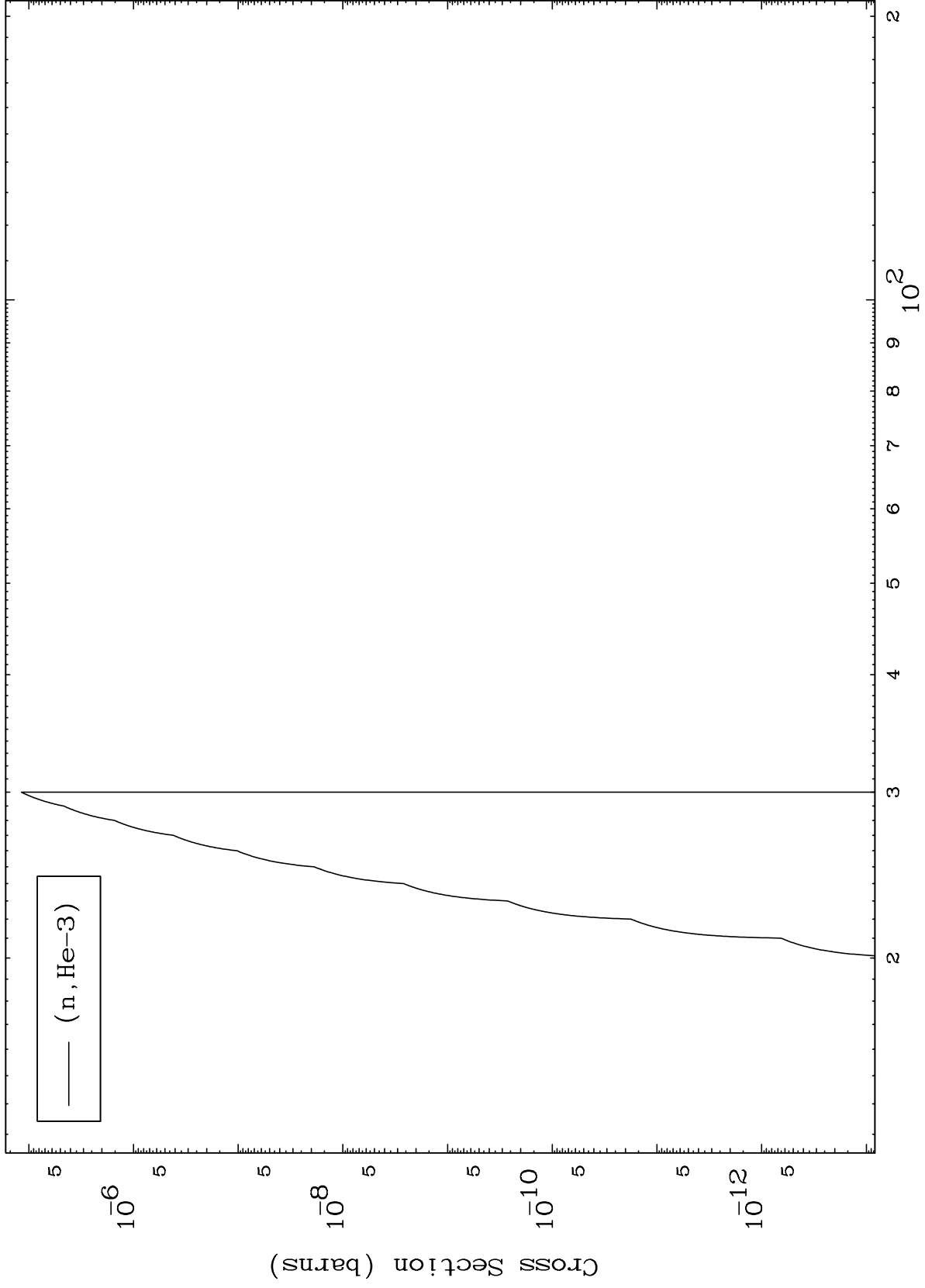
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-156



13

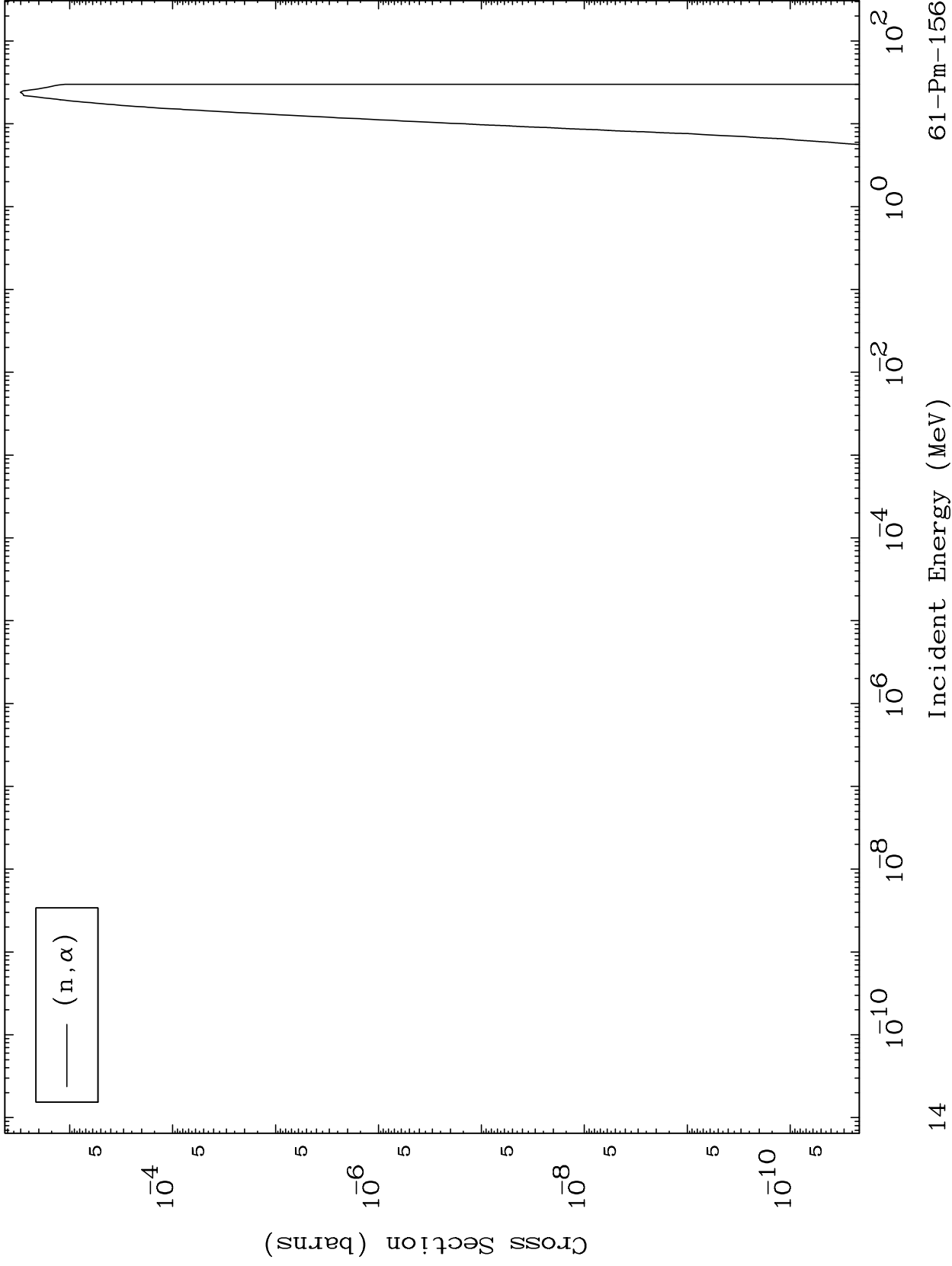
Incident Energy (MeV)

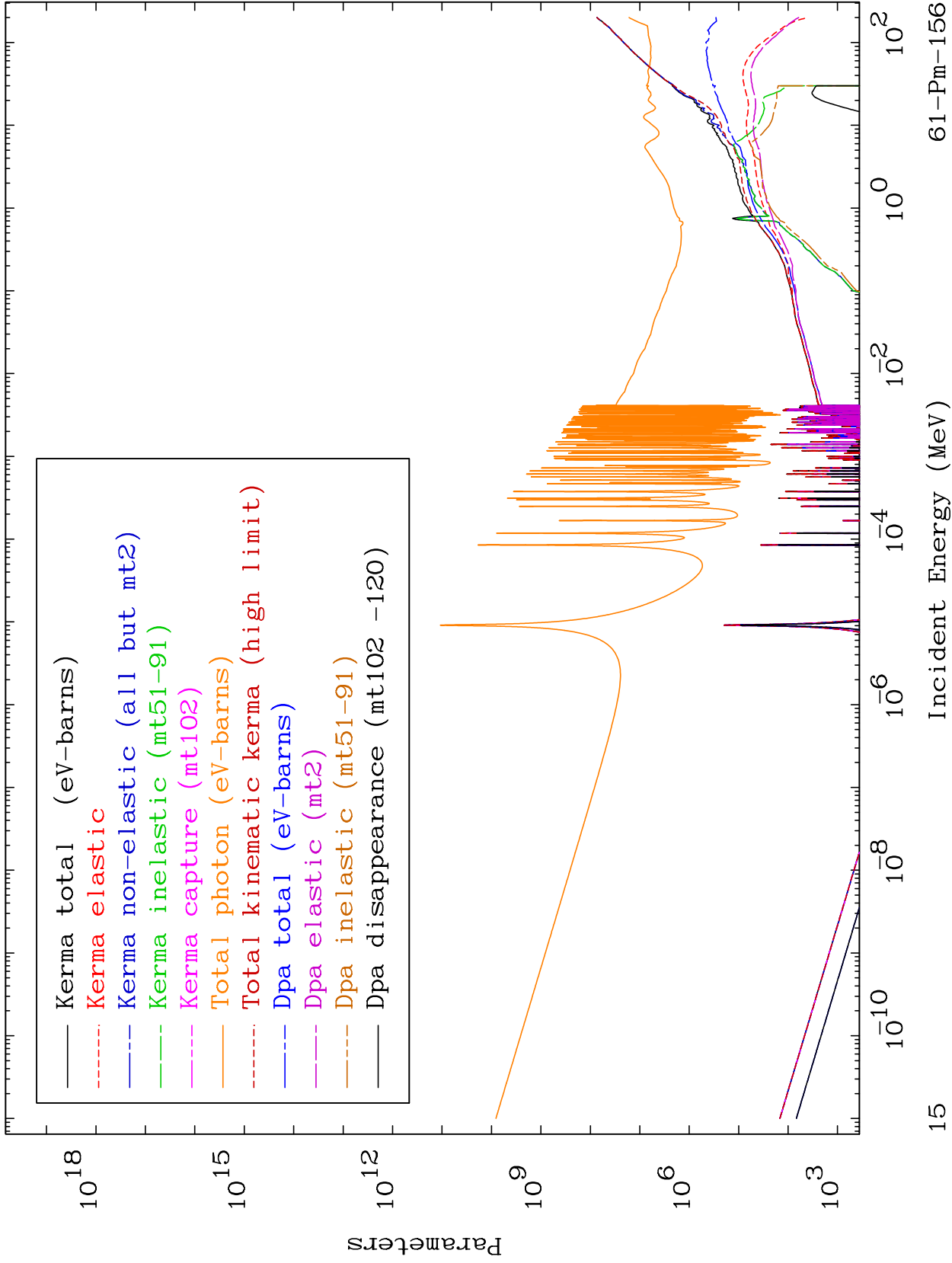
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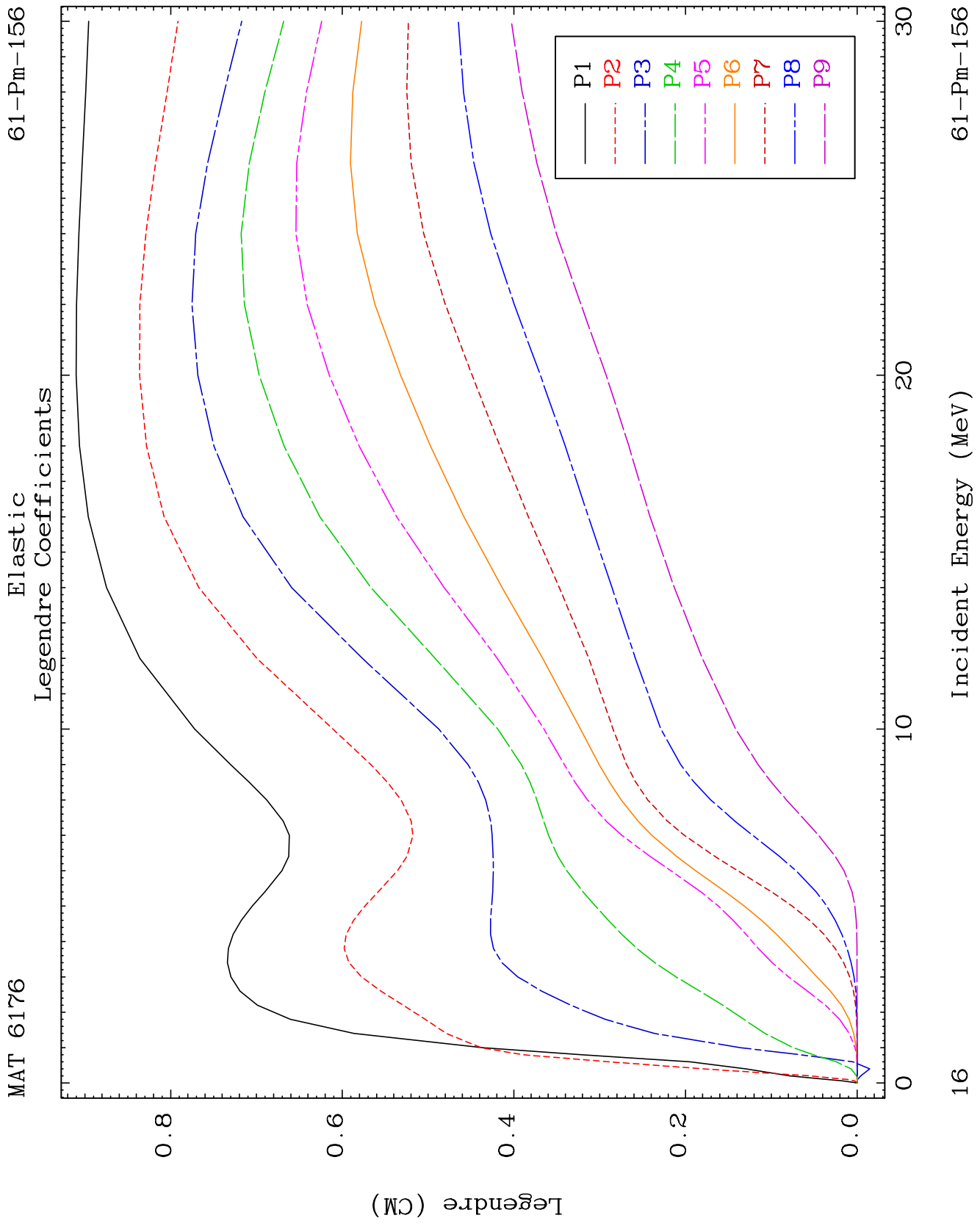
MAT 6176

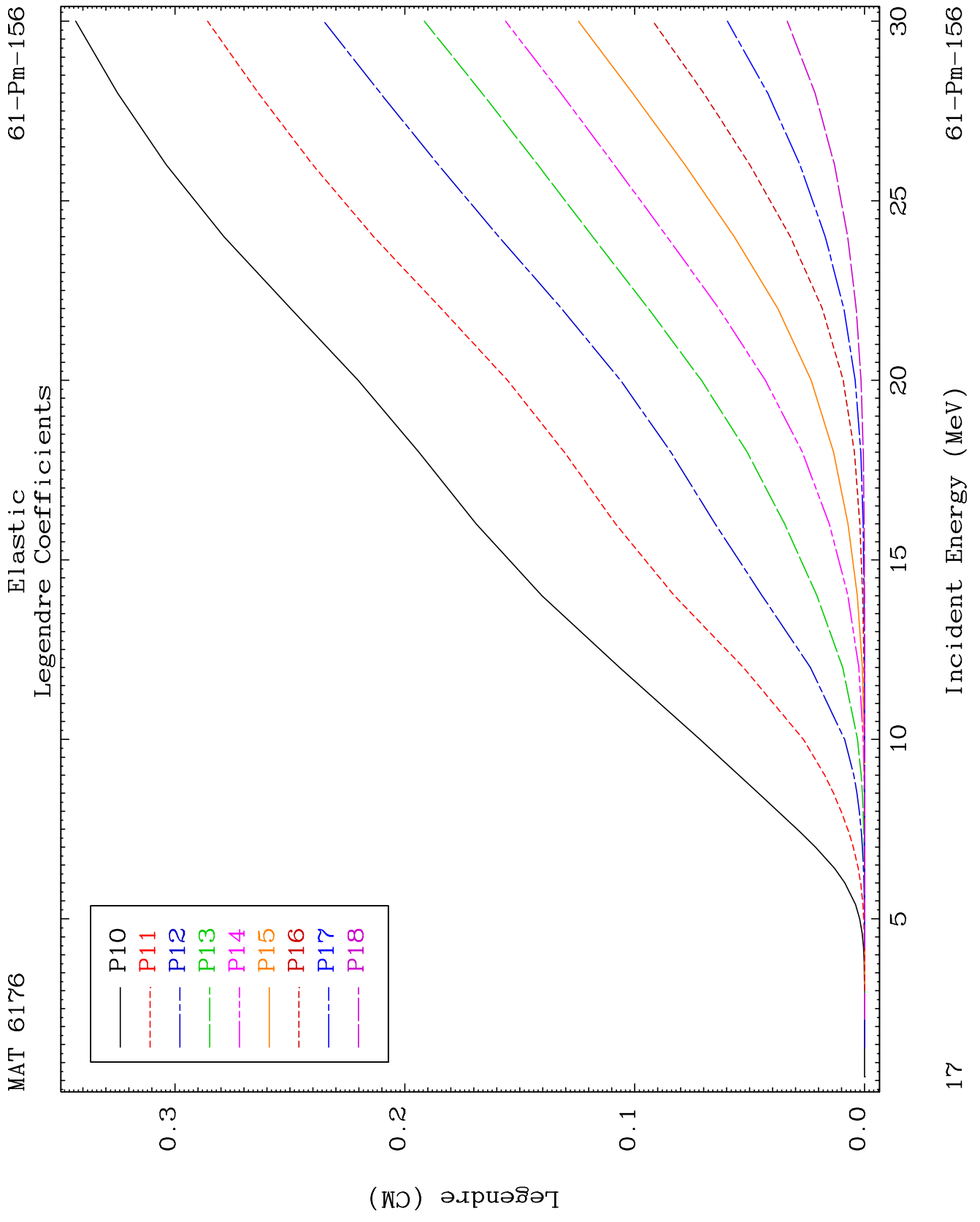
(n, α) Levels
293 Kelvin Cross Sections

61-Pm-156





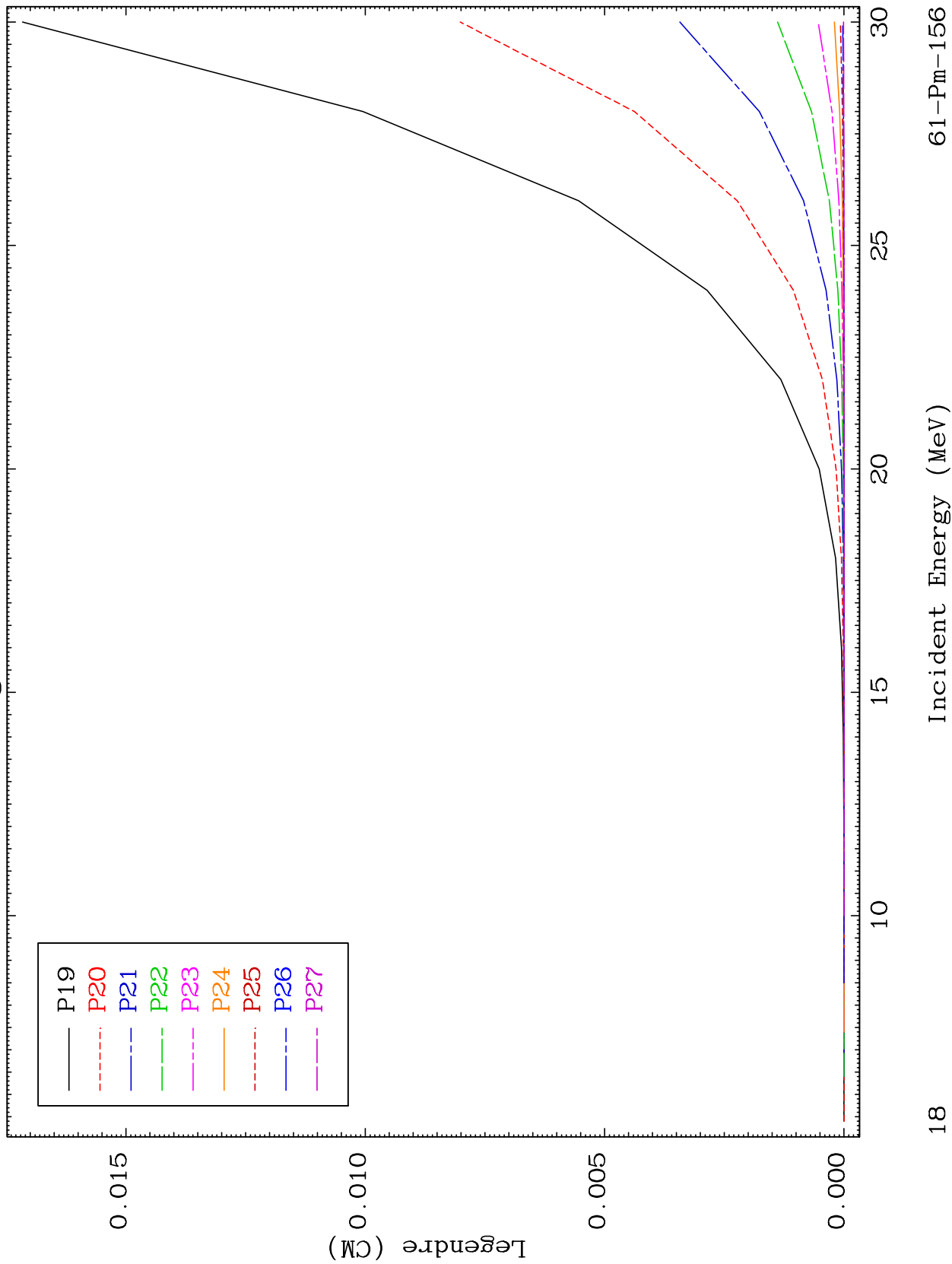




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Elastic Legendre Coefficients

61-Pm-156



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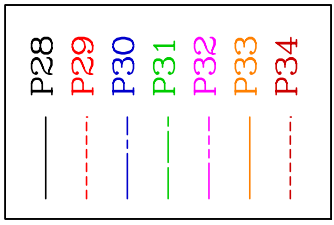
Incident Energy (MeV)

61-Pm-156

MAT 6176

Elastic Legendre Coefficients

61-Pm-156



$\times 10^{-6}$

Legendre (CM)

10

15

20

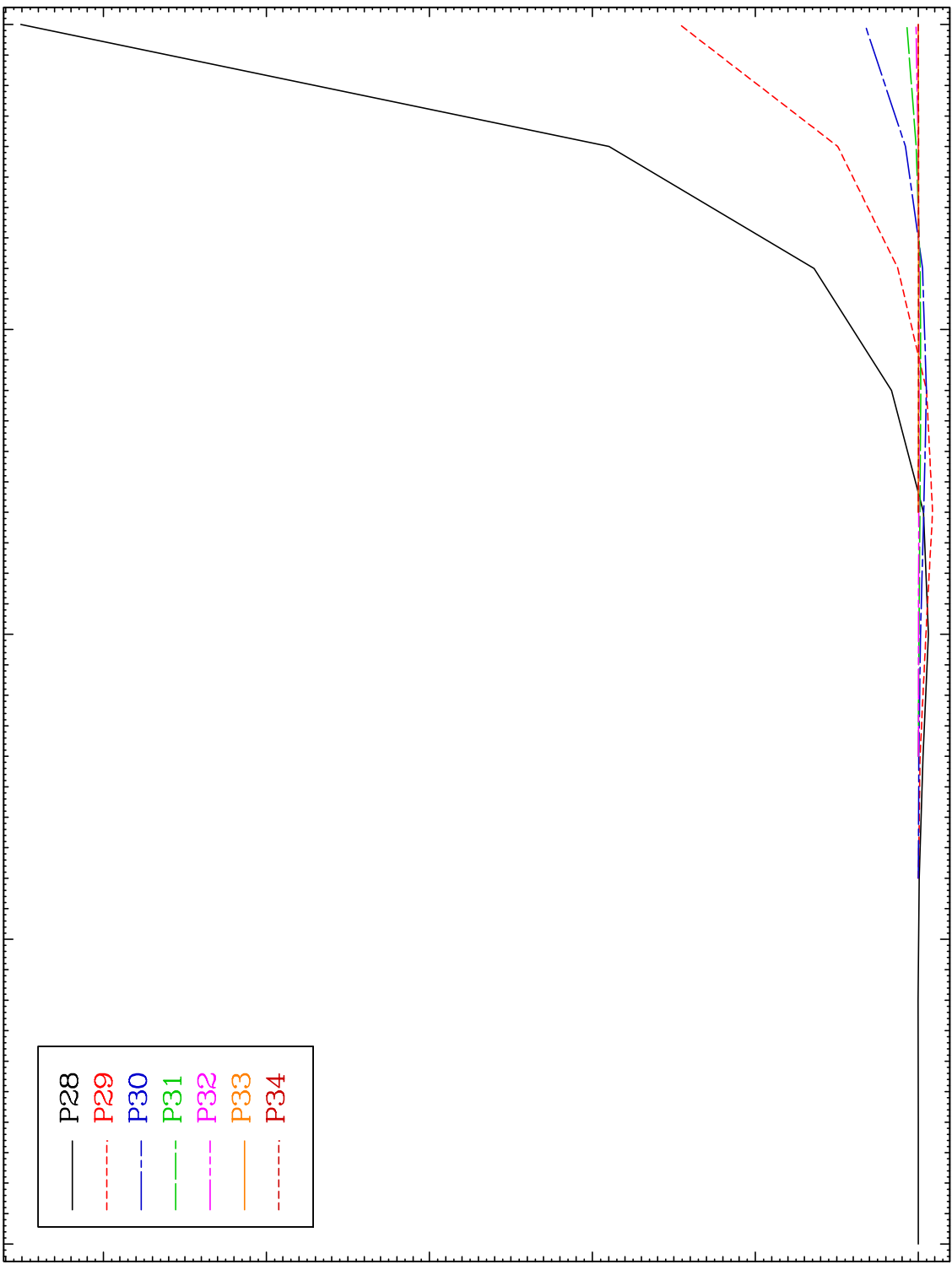
25

30

19

Incident Energy (MeV)

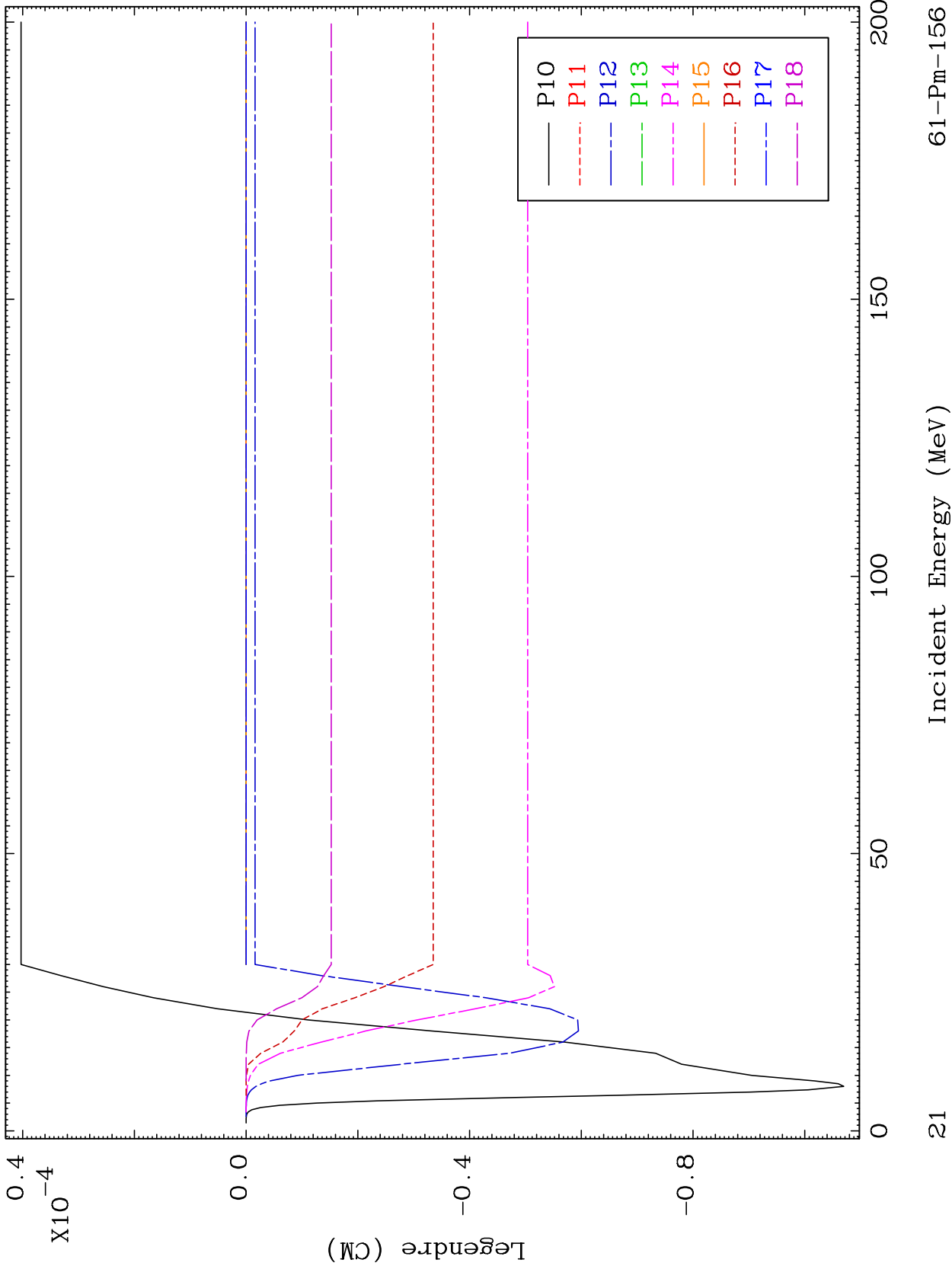
61-Pm-156



MAT 6176

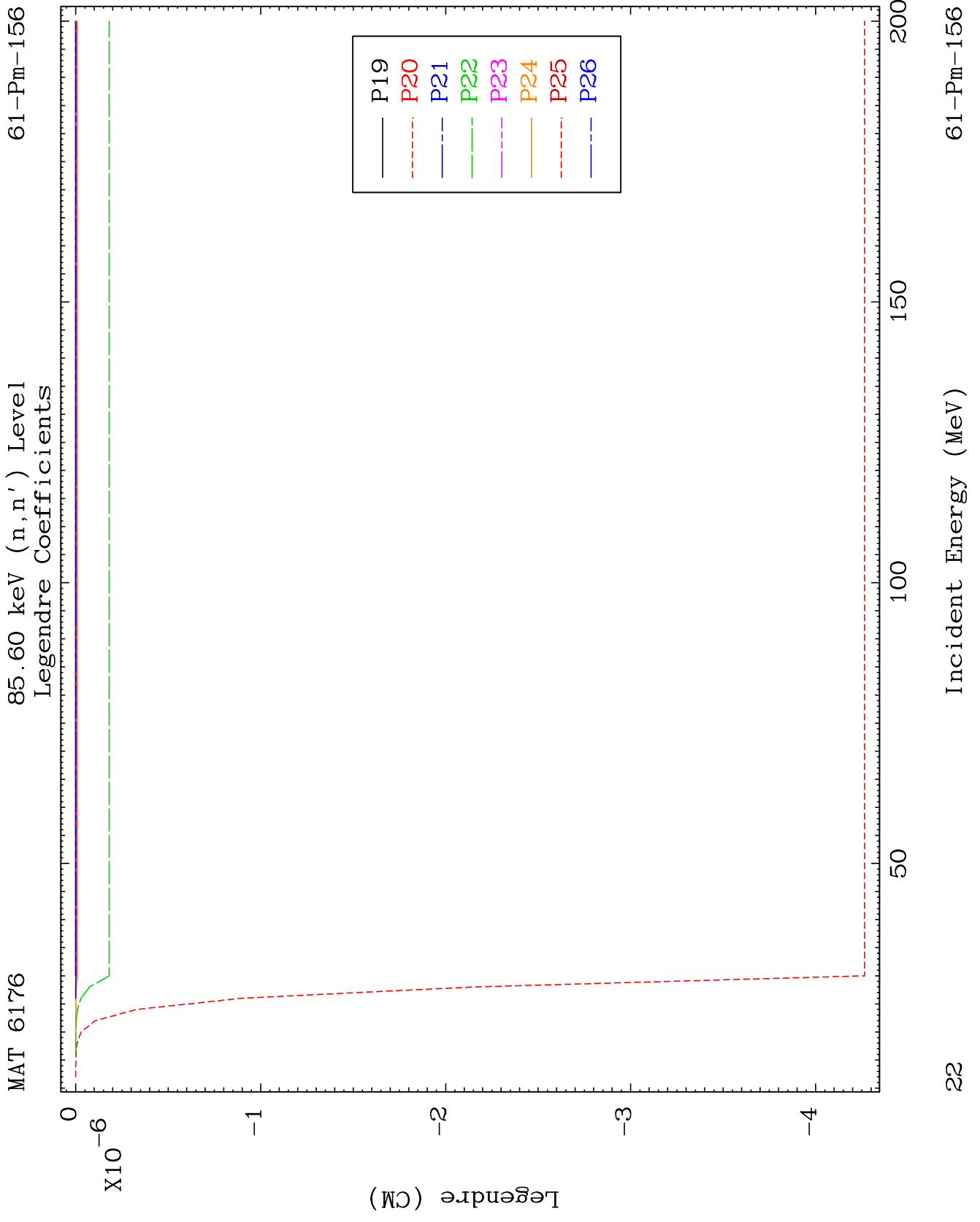
85.60 keV (n,n') Level
Legendre Coefficients

61-Pm-156



21

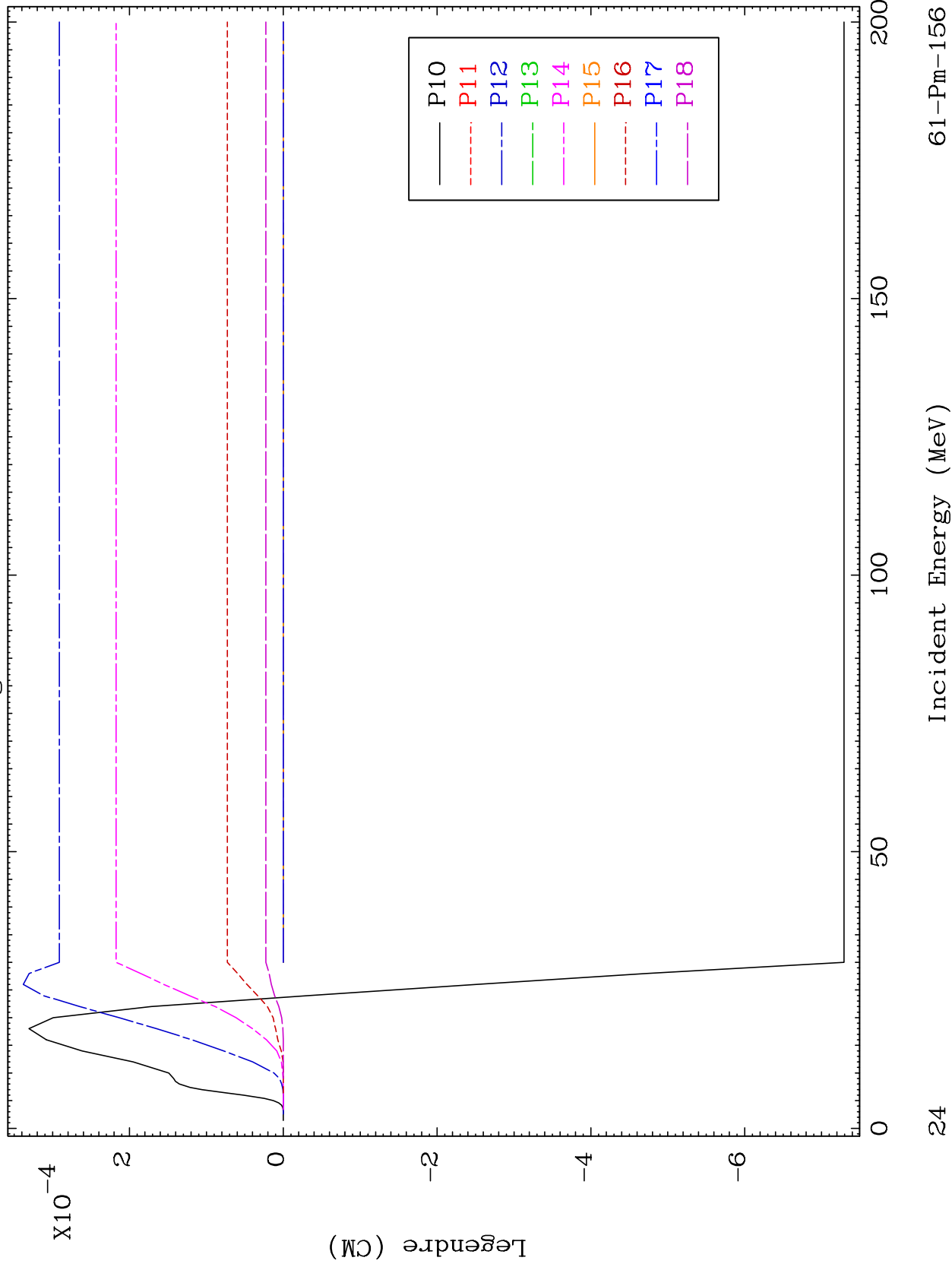
61-Pm-156



MAT 6176

150.3 keV (n,n') Level
Legendre Coefficients

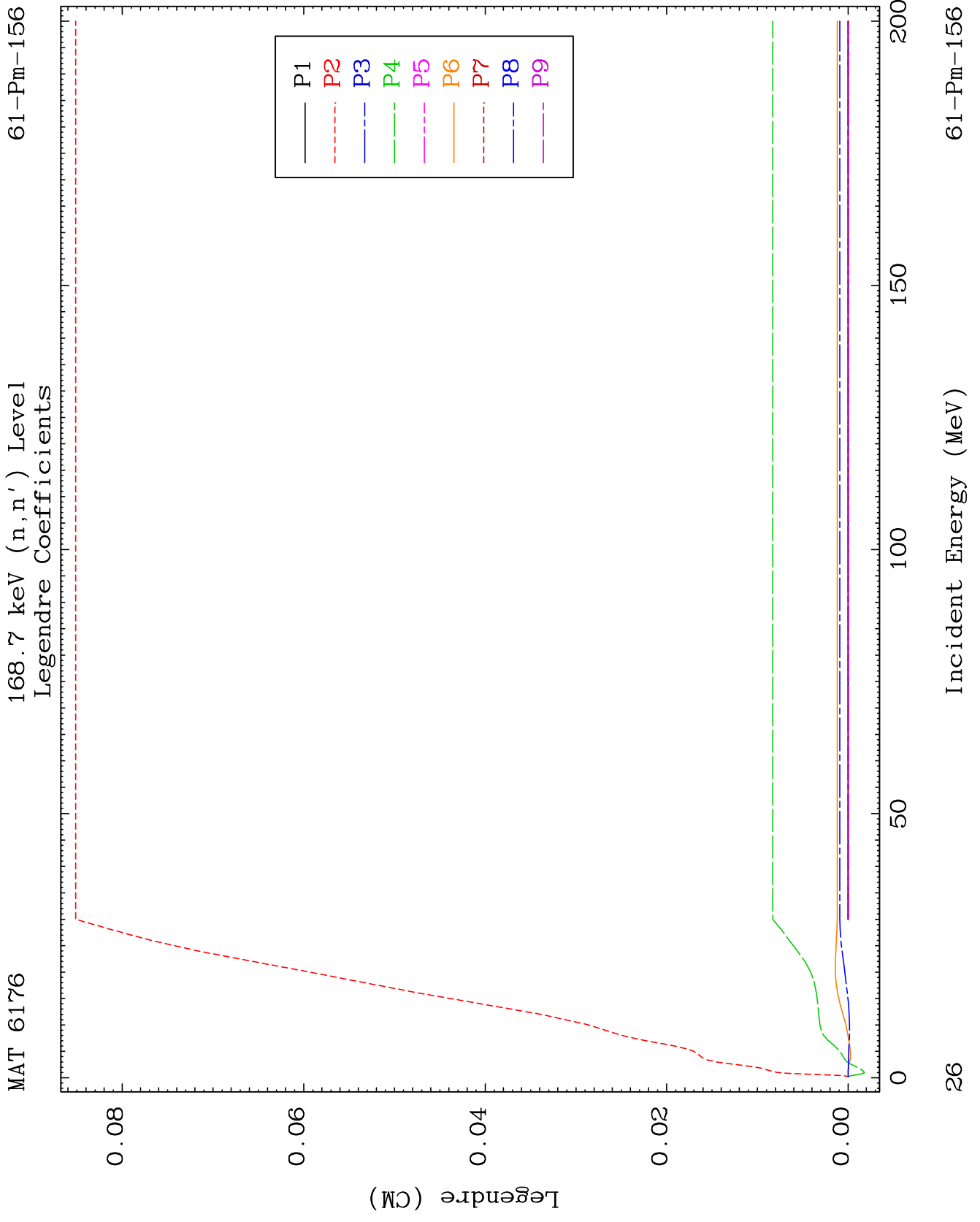
61-Pm-156



24

61-Pm-156

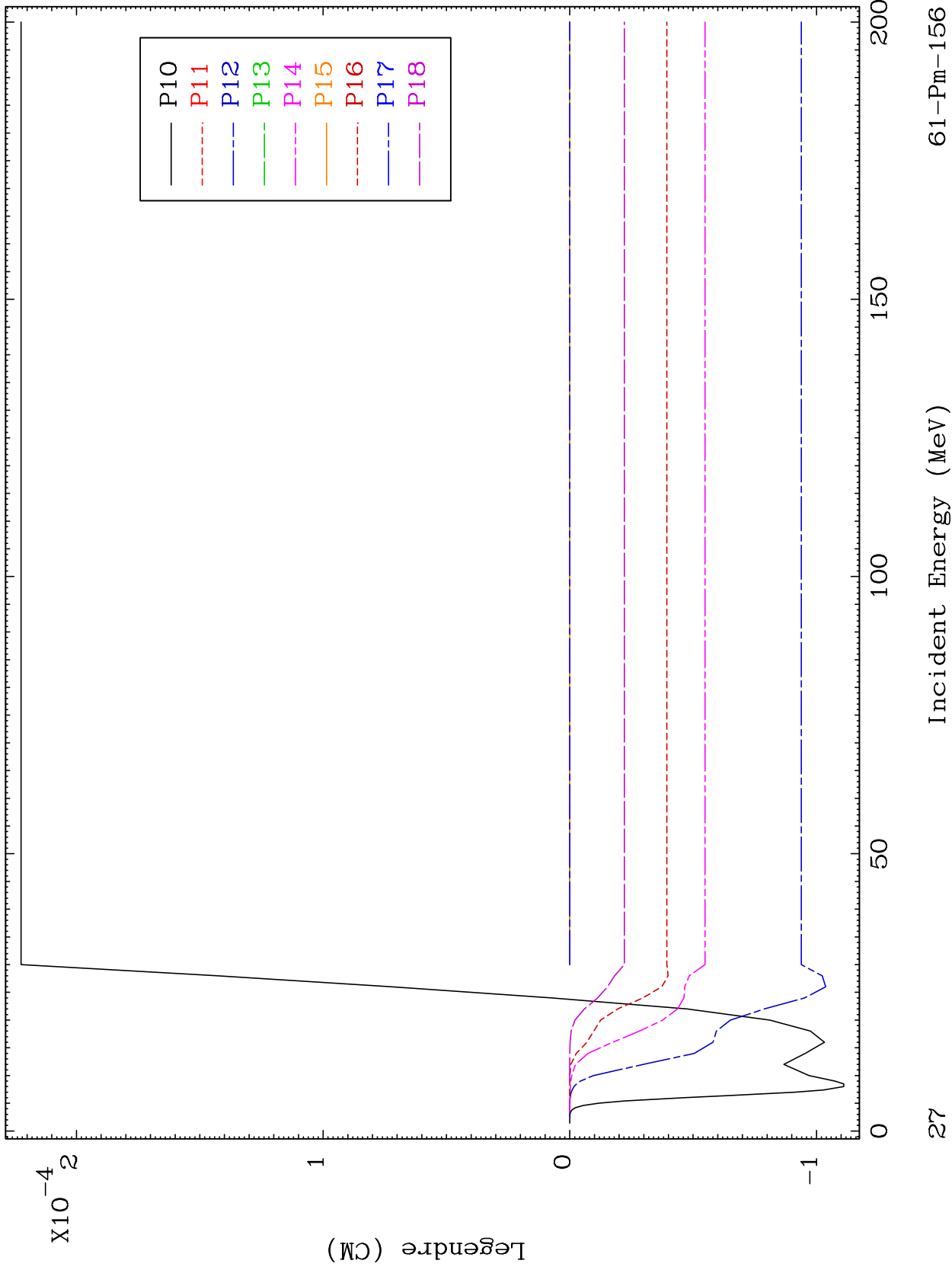
61-Pm-156



MAT 6176

168.7 keV (n,n') Level
Legendre Coefficients

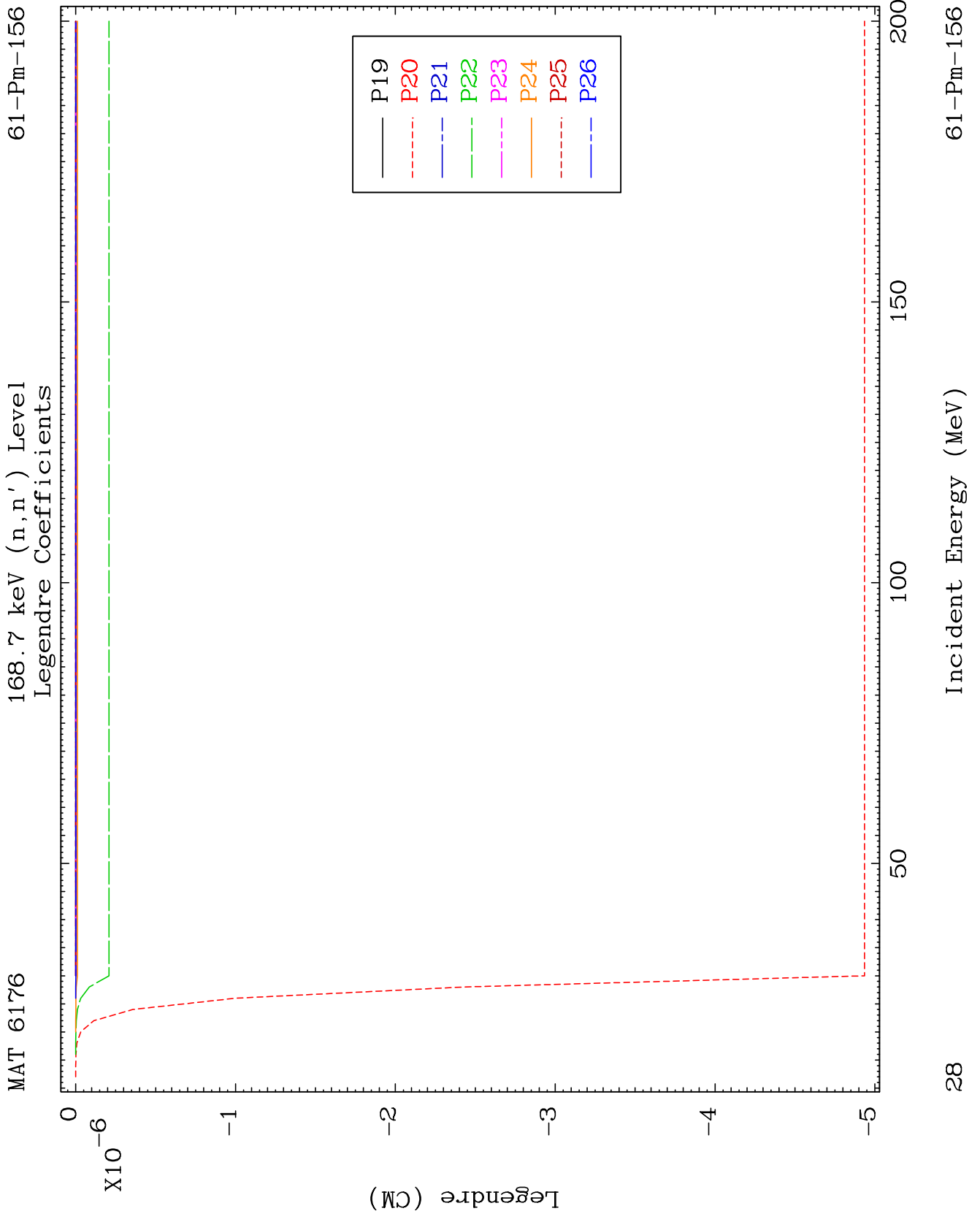
61-Pm-156

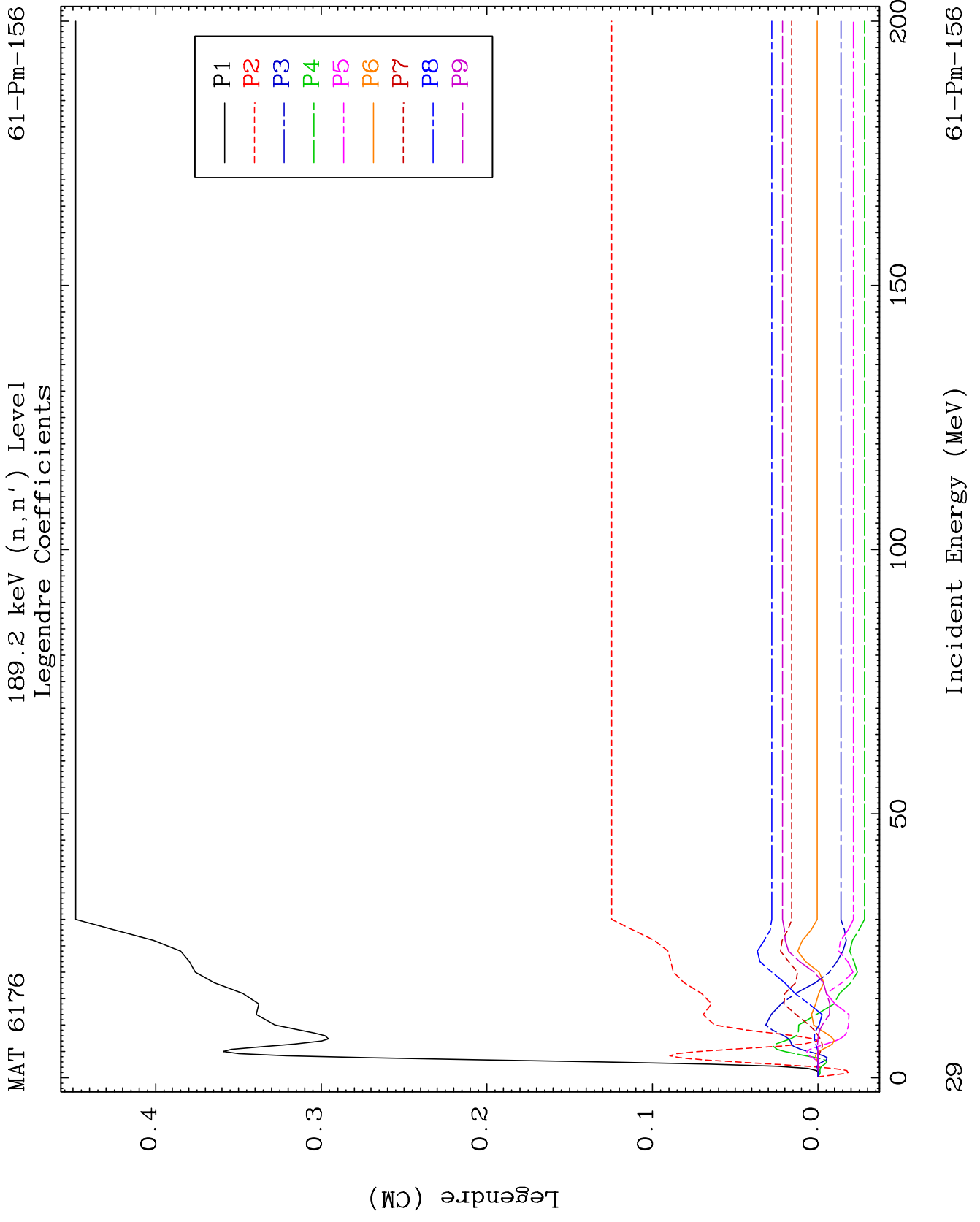


27

Incident Energy (MeV)

61-Pm-156

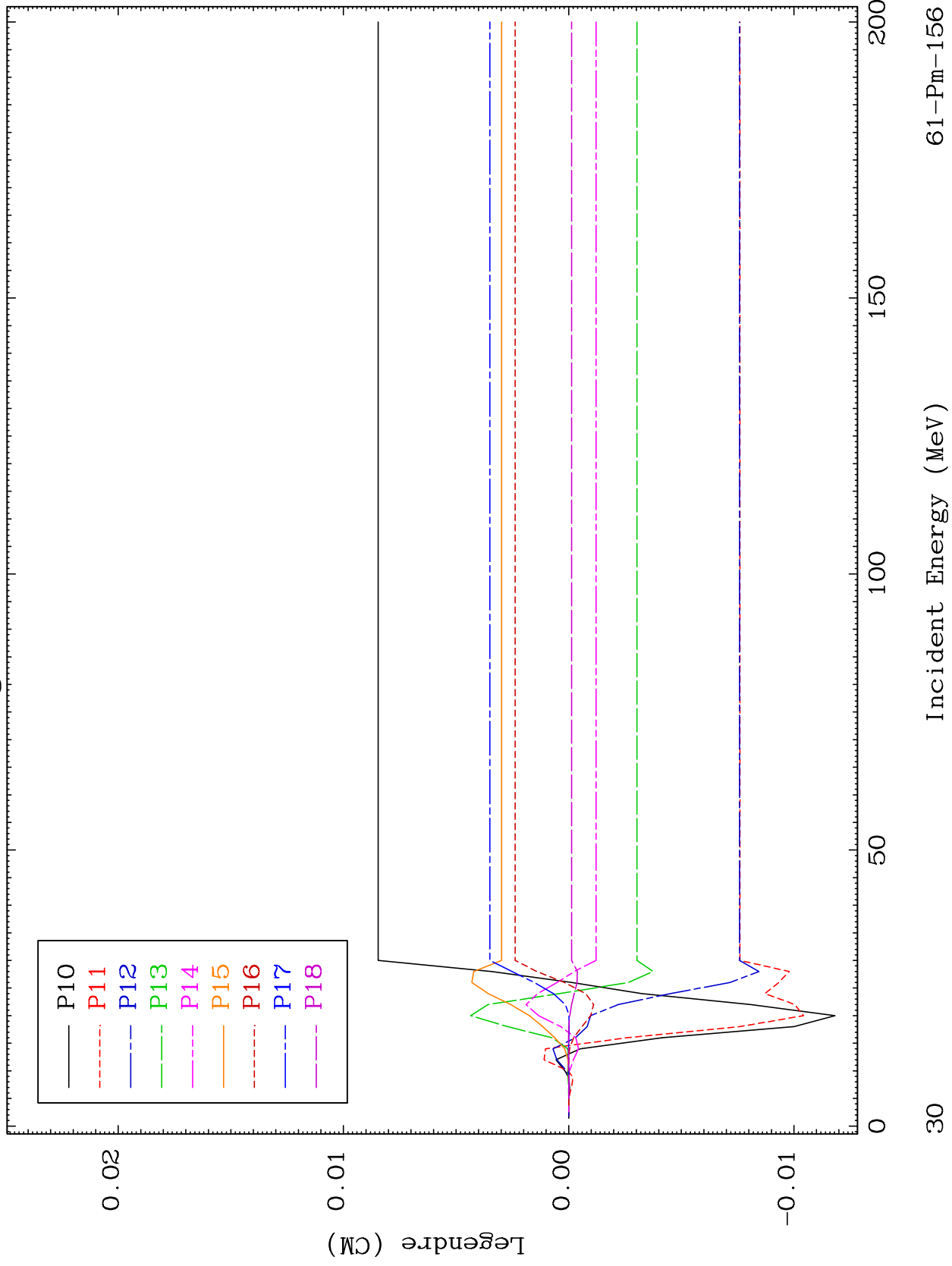




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189.2 keV (n,n') Level
Legendre Coefficients

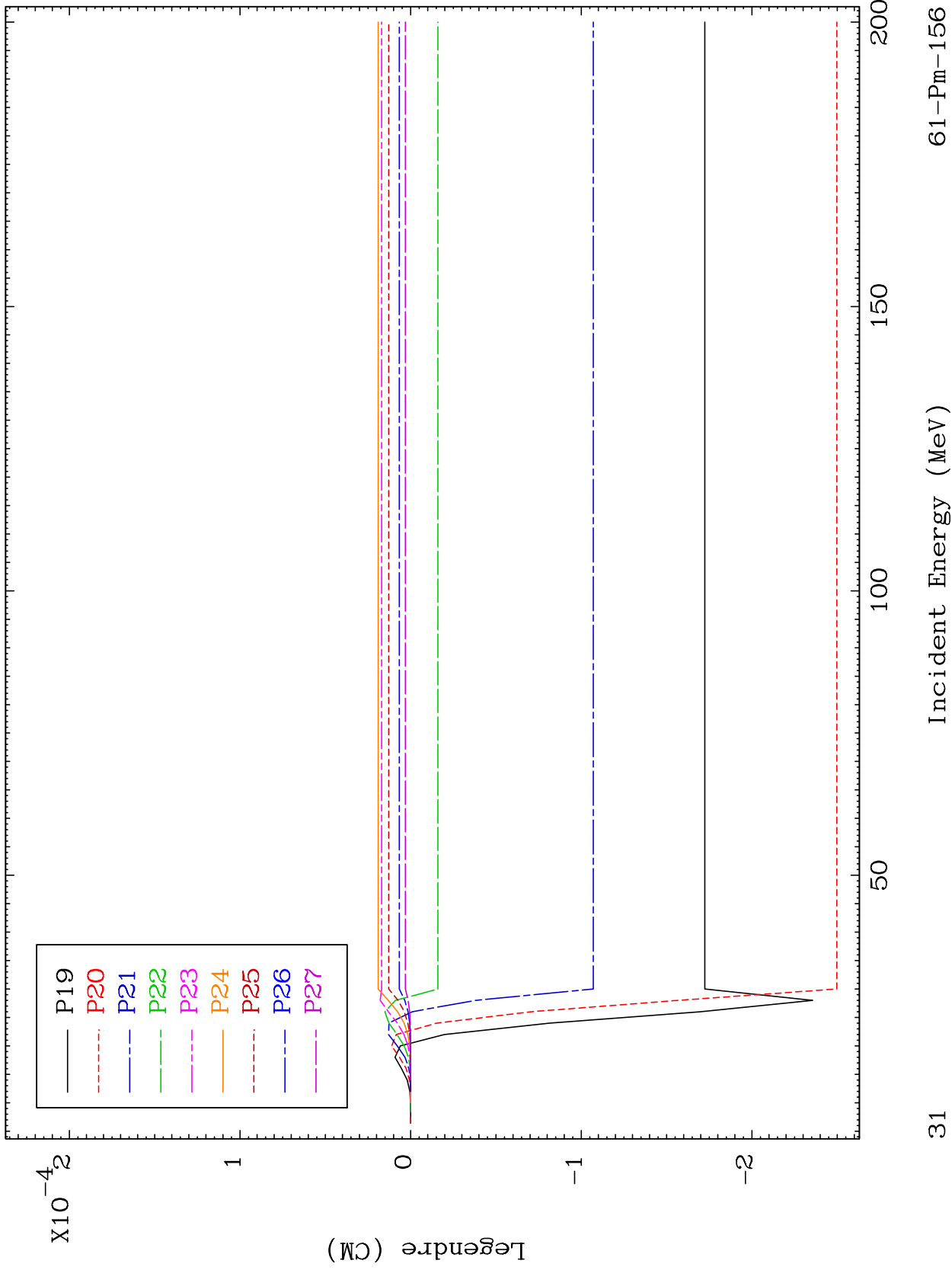
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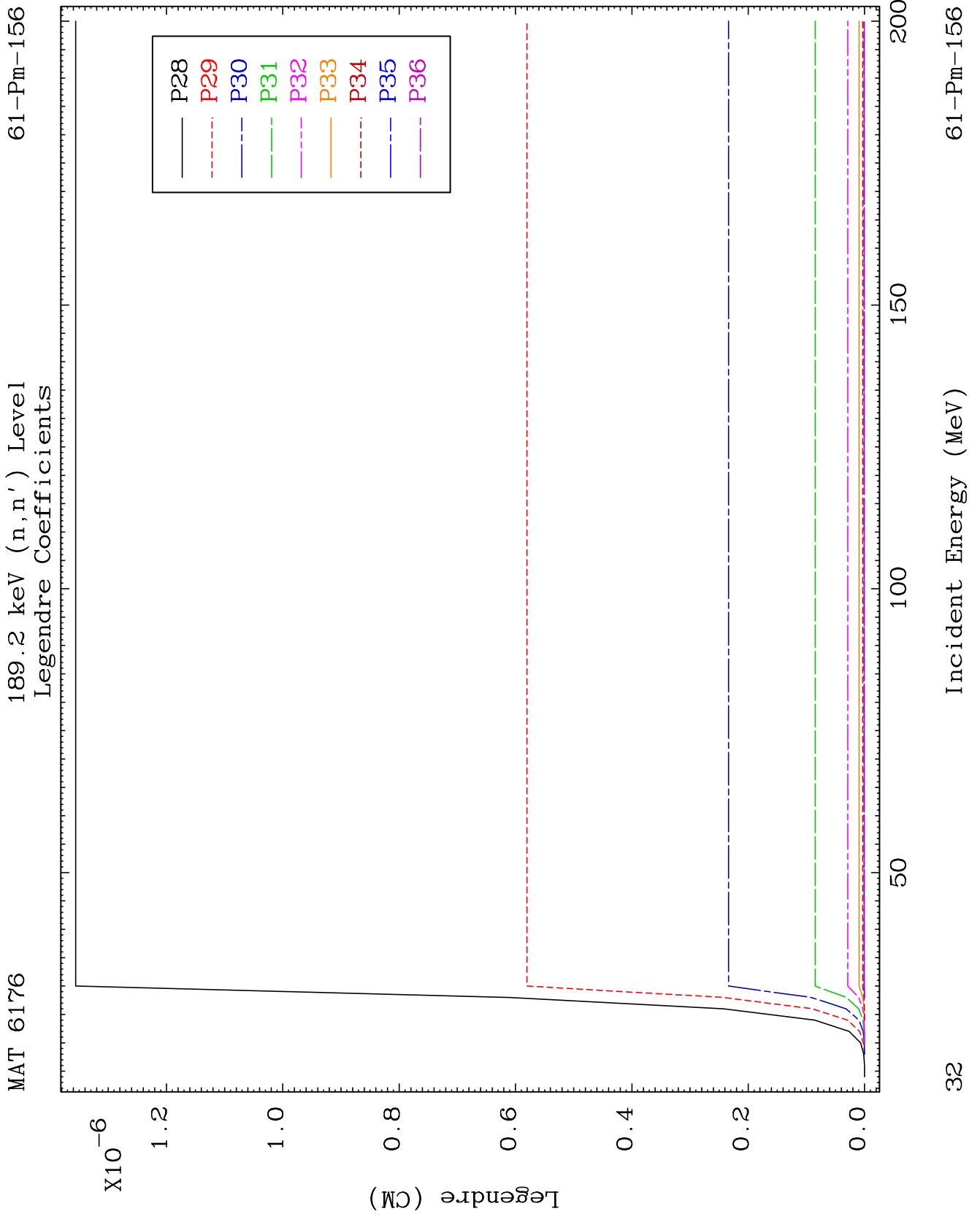


MAT 6176

189.2 keV (n,n') Level
Legendre Coefficients

61-Pm-156





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313.9 keV (n,n') Level
Legendre Coefficients

61-Pm-156

$\times 10^{-4}$
1.2

1.0

0.8

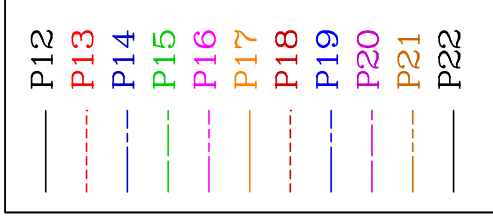
Legendre (CM)

0.6

0.4

0.2

0.0



200

150

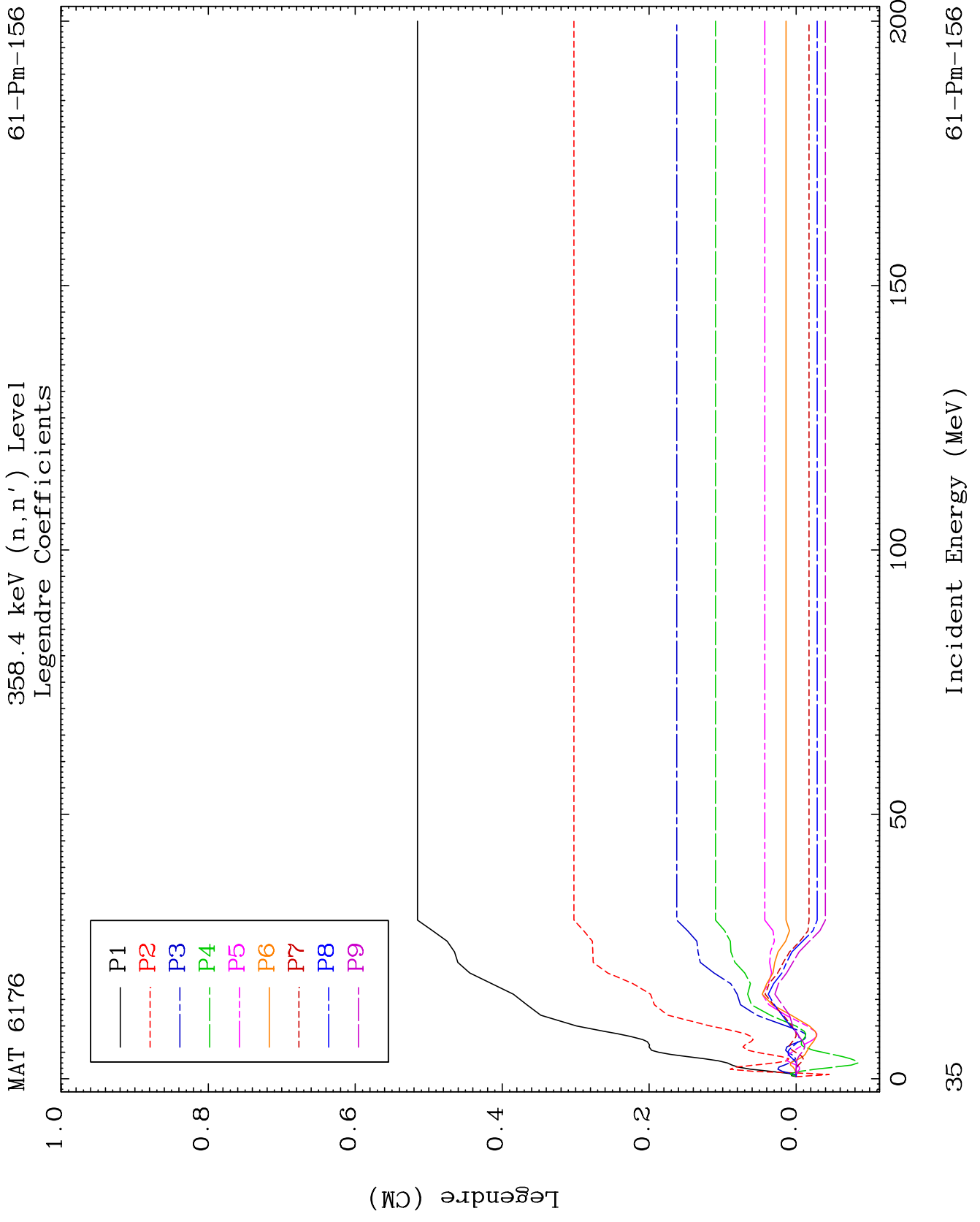
100

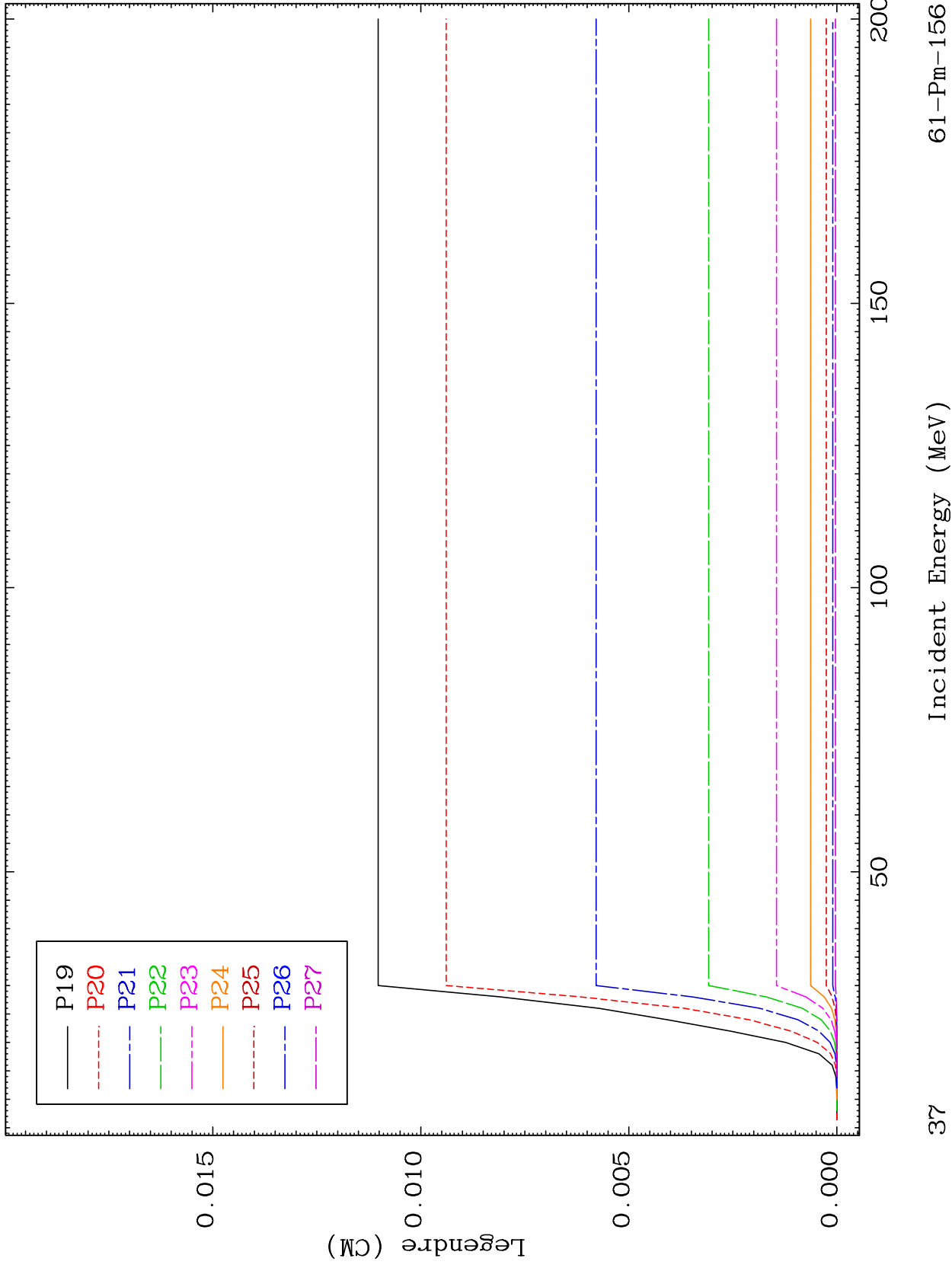
50

34

Incident Energy (MeV)

61-Pm-156

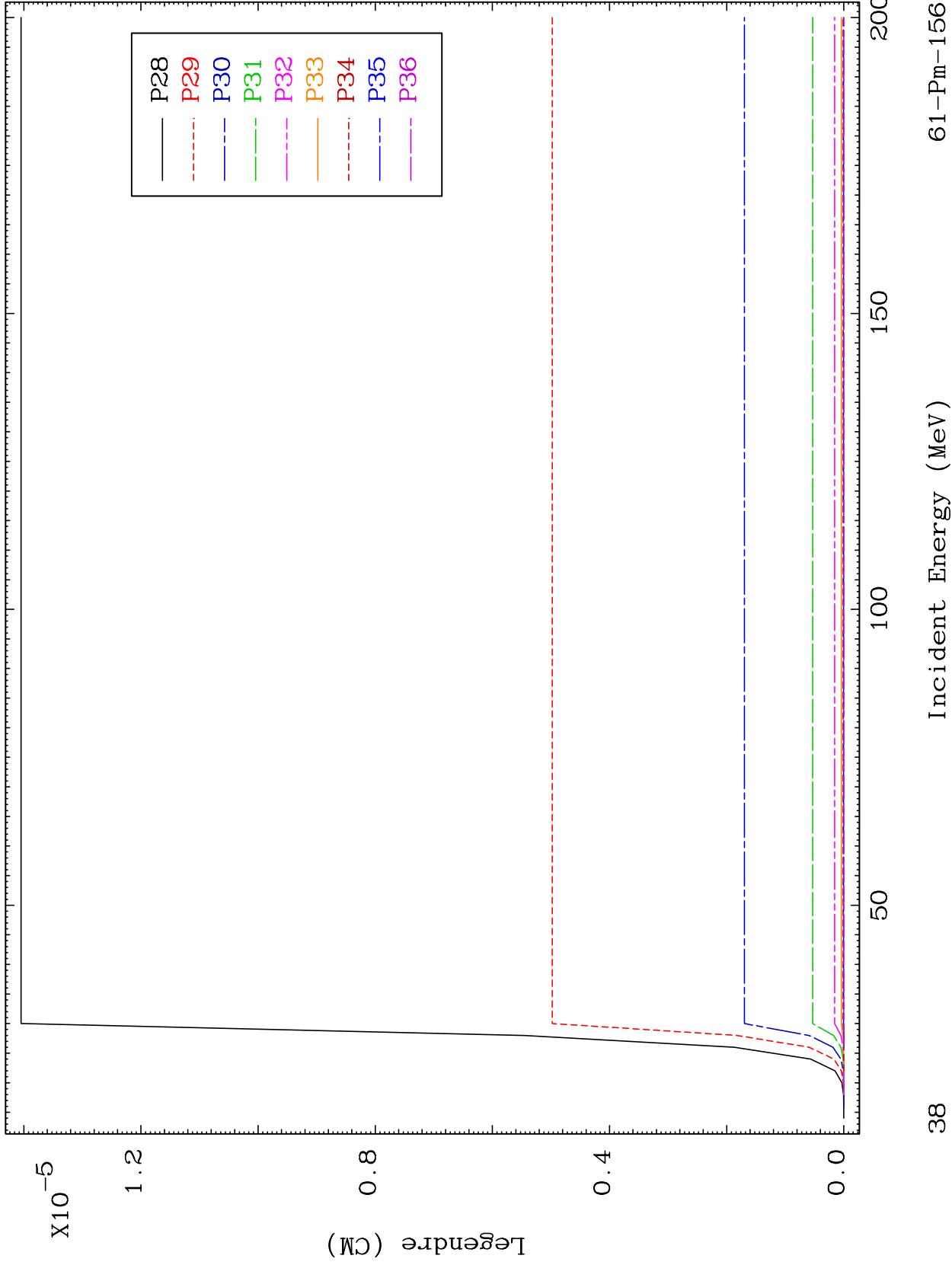


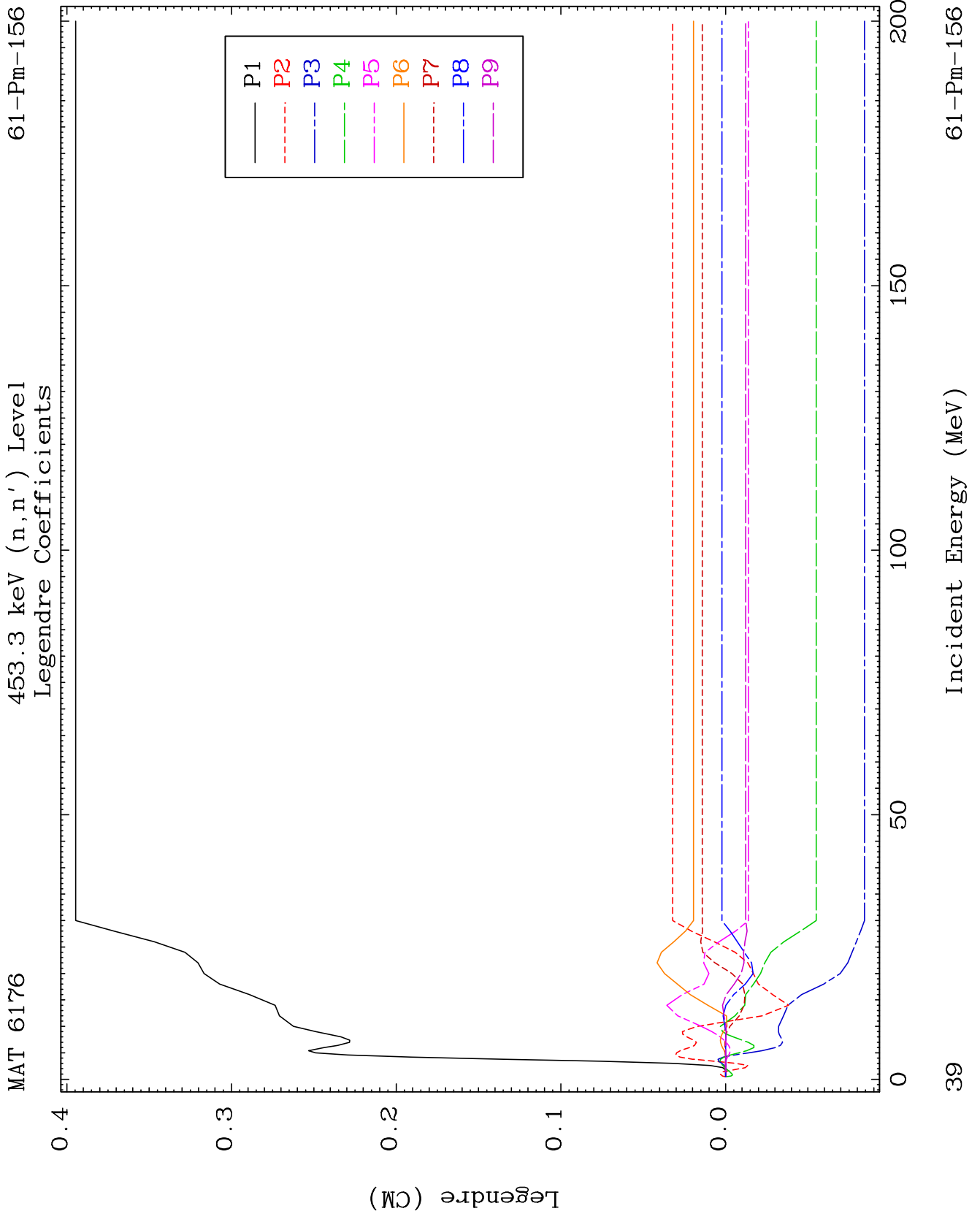


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358.4 keV (n,n') Level
Legendre Coefficients

61-Pm-156

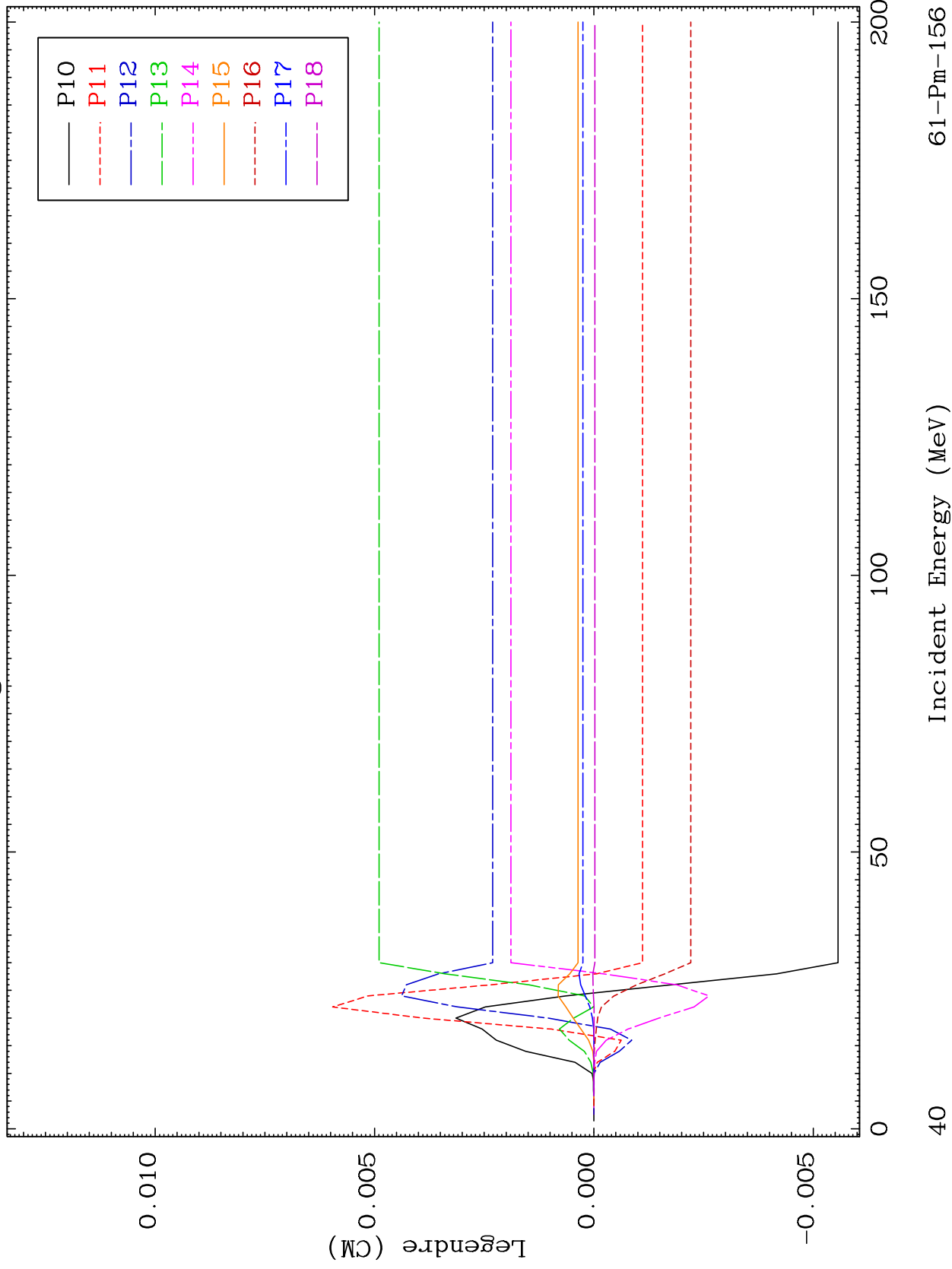




MAT 6176

453.3 keV (n,n') Level
Legendre Coefficients

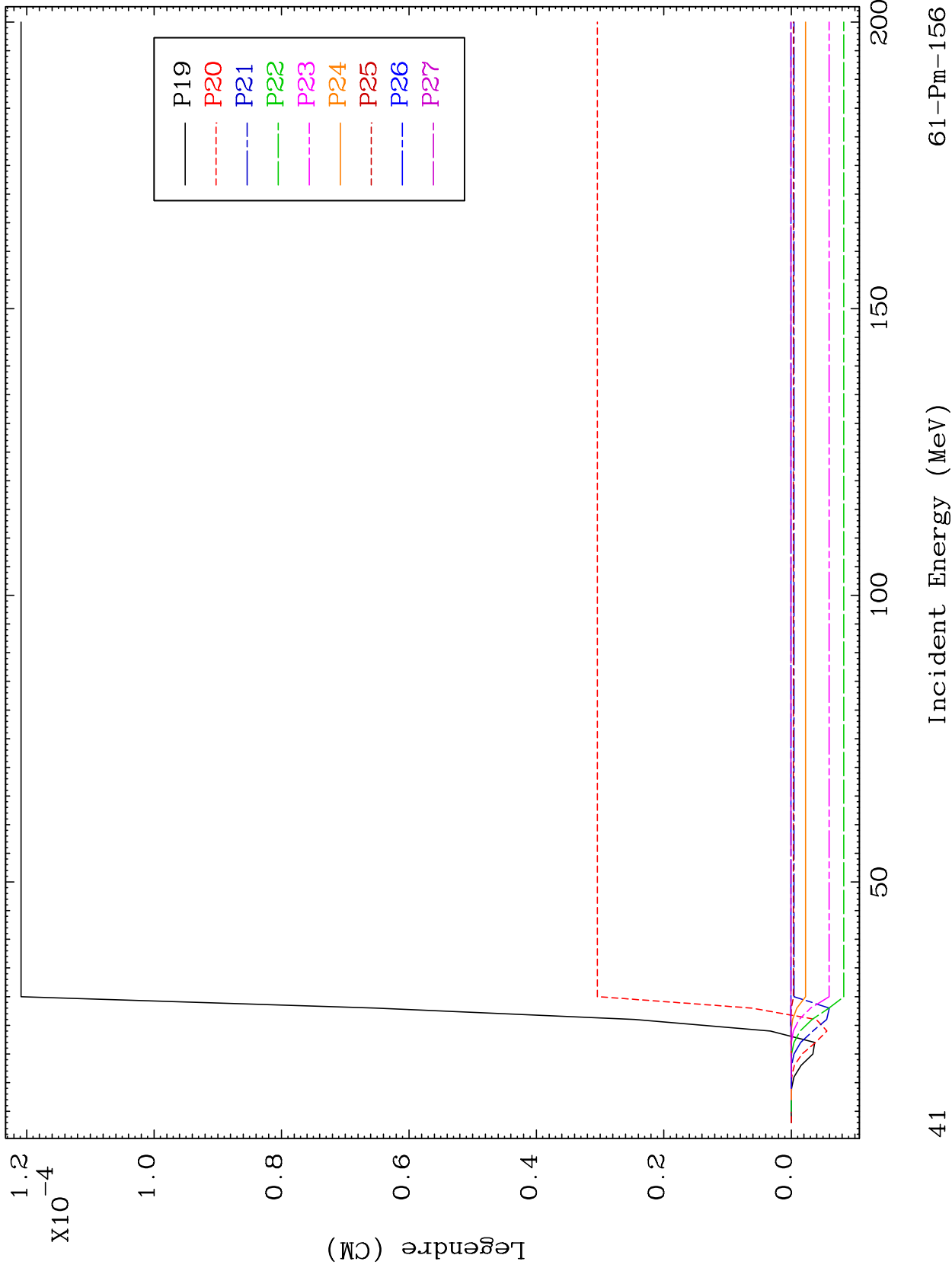
61-Pm-156



61-Pm-156

Incident Energy (MeV)

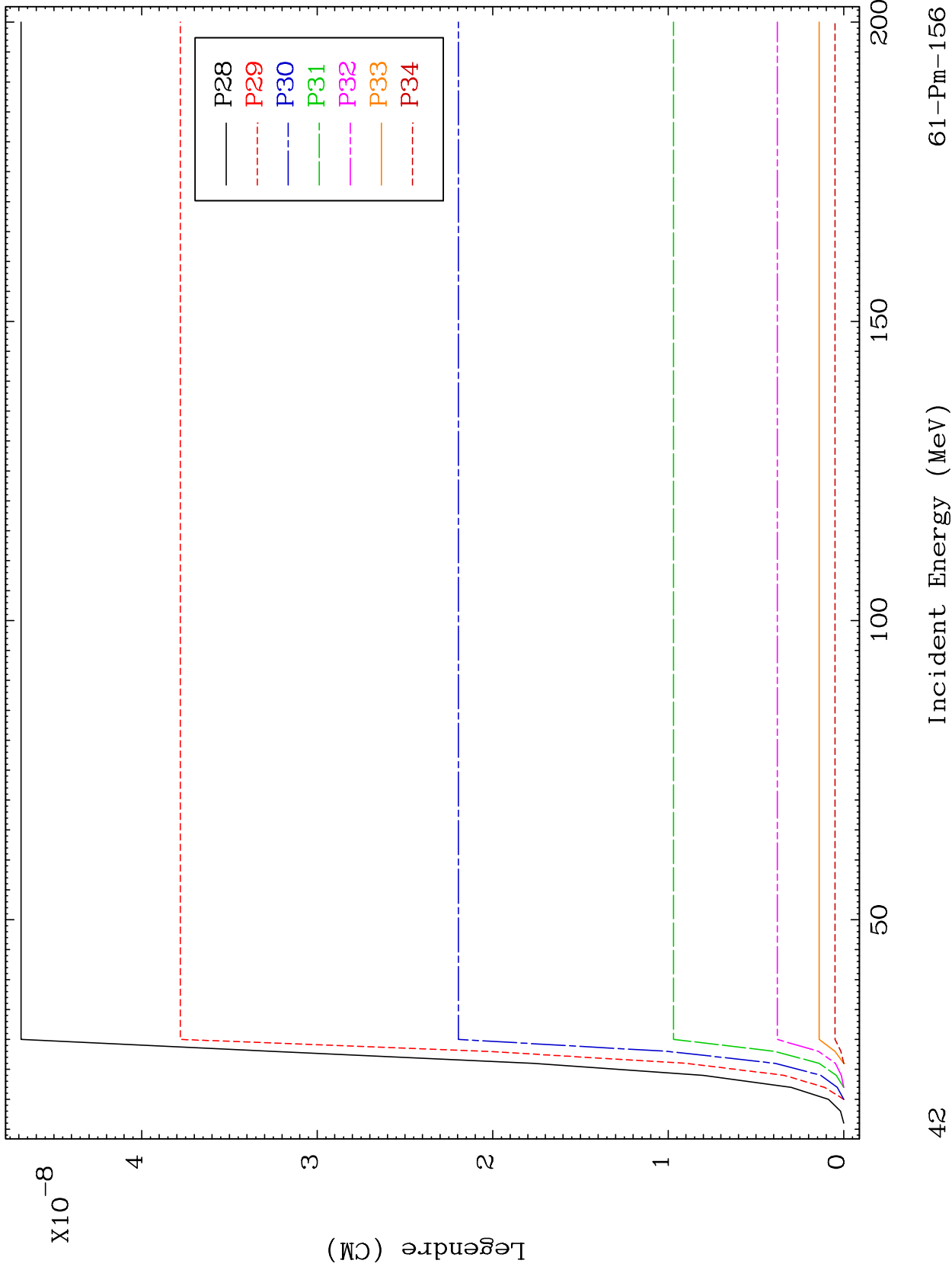
40



MAT 6176

453.3 keV (n,n') Level
Legendre Coefficients

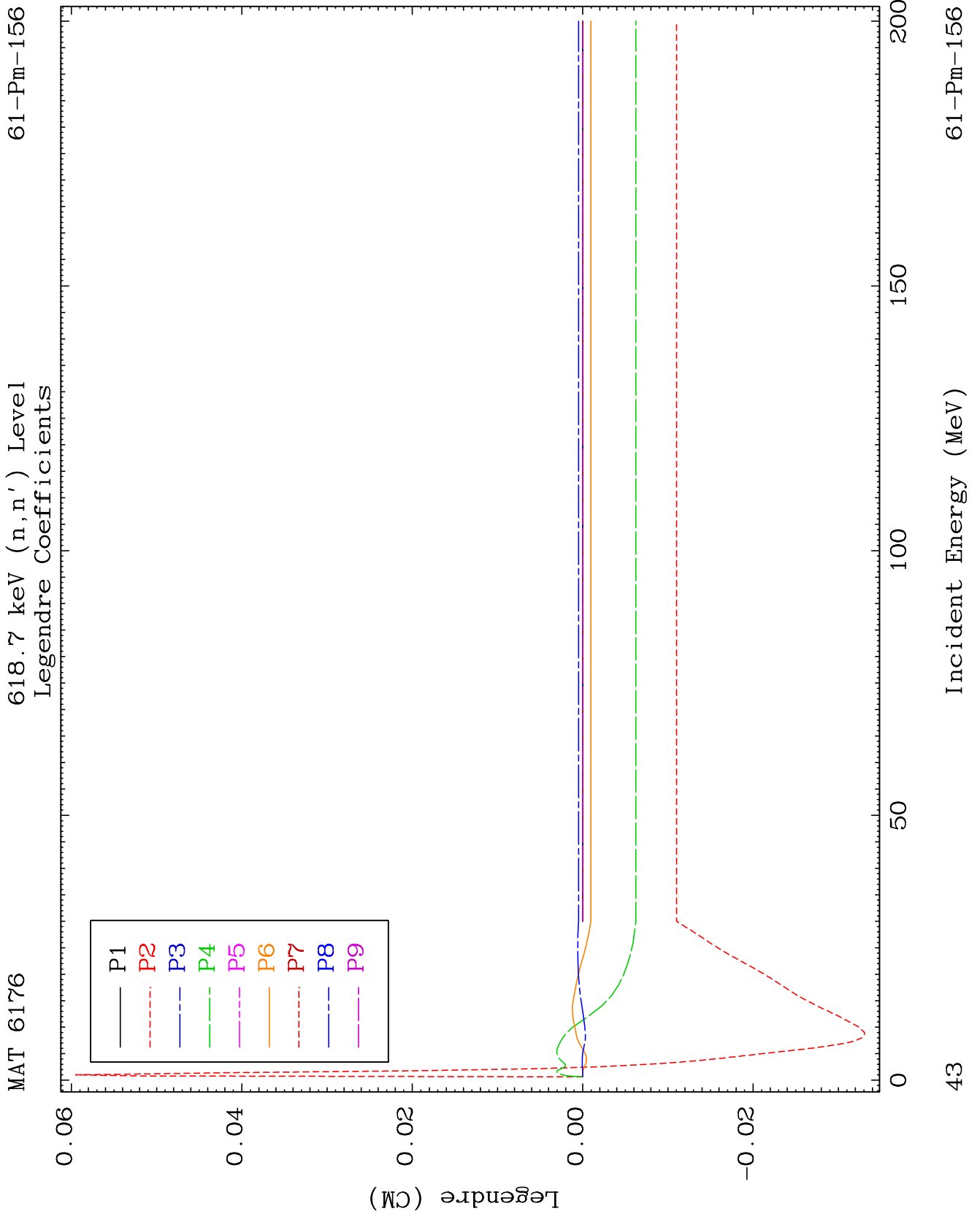
61-Pm-156



42

Incident Energy (MeV)

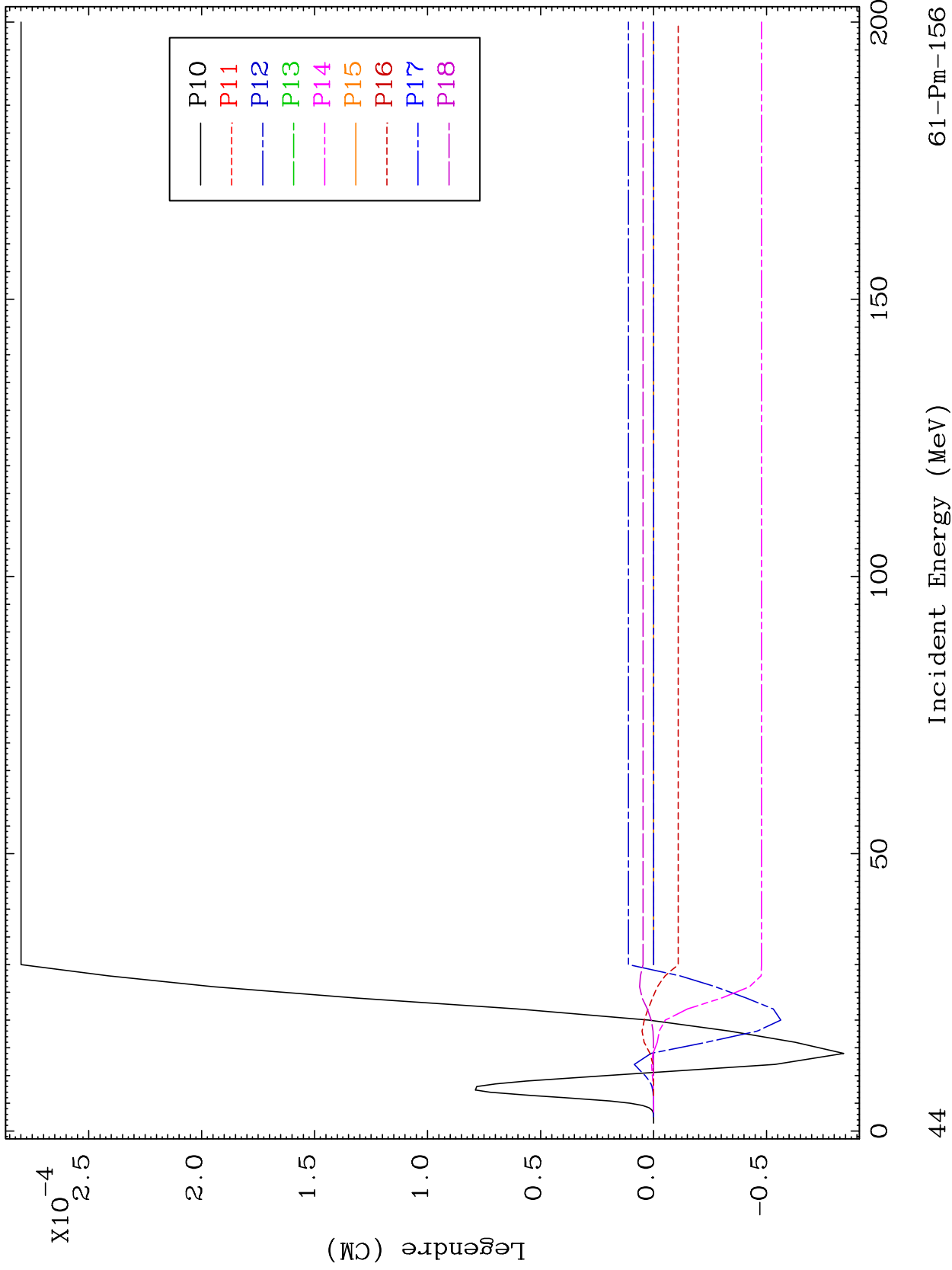
61-Pm-156



MAT 6176

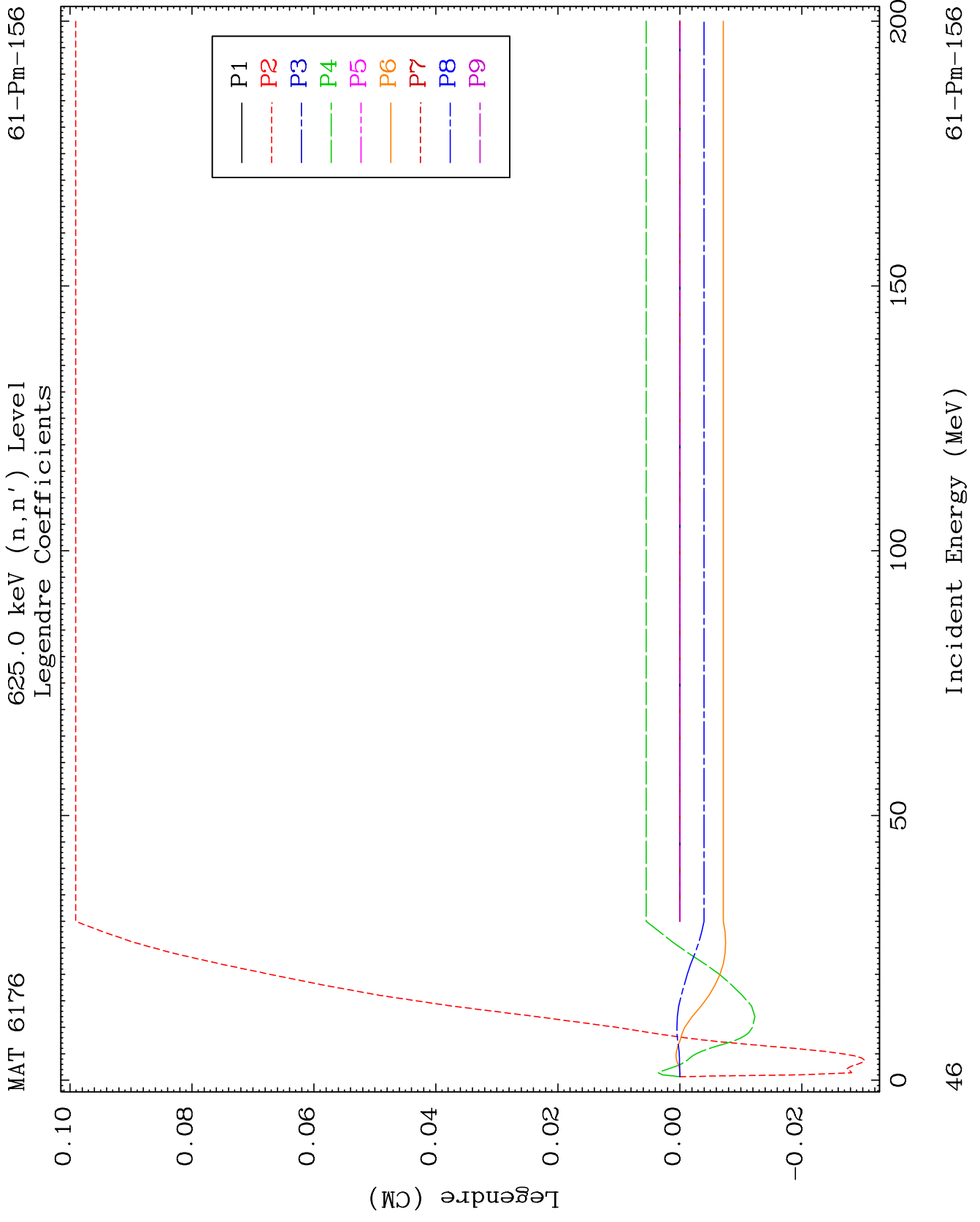
618.7 keV (n,n') Level
Legendre Coefficients

61-Pm-156



44

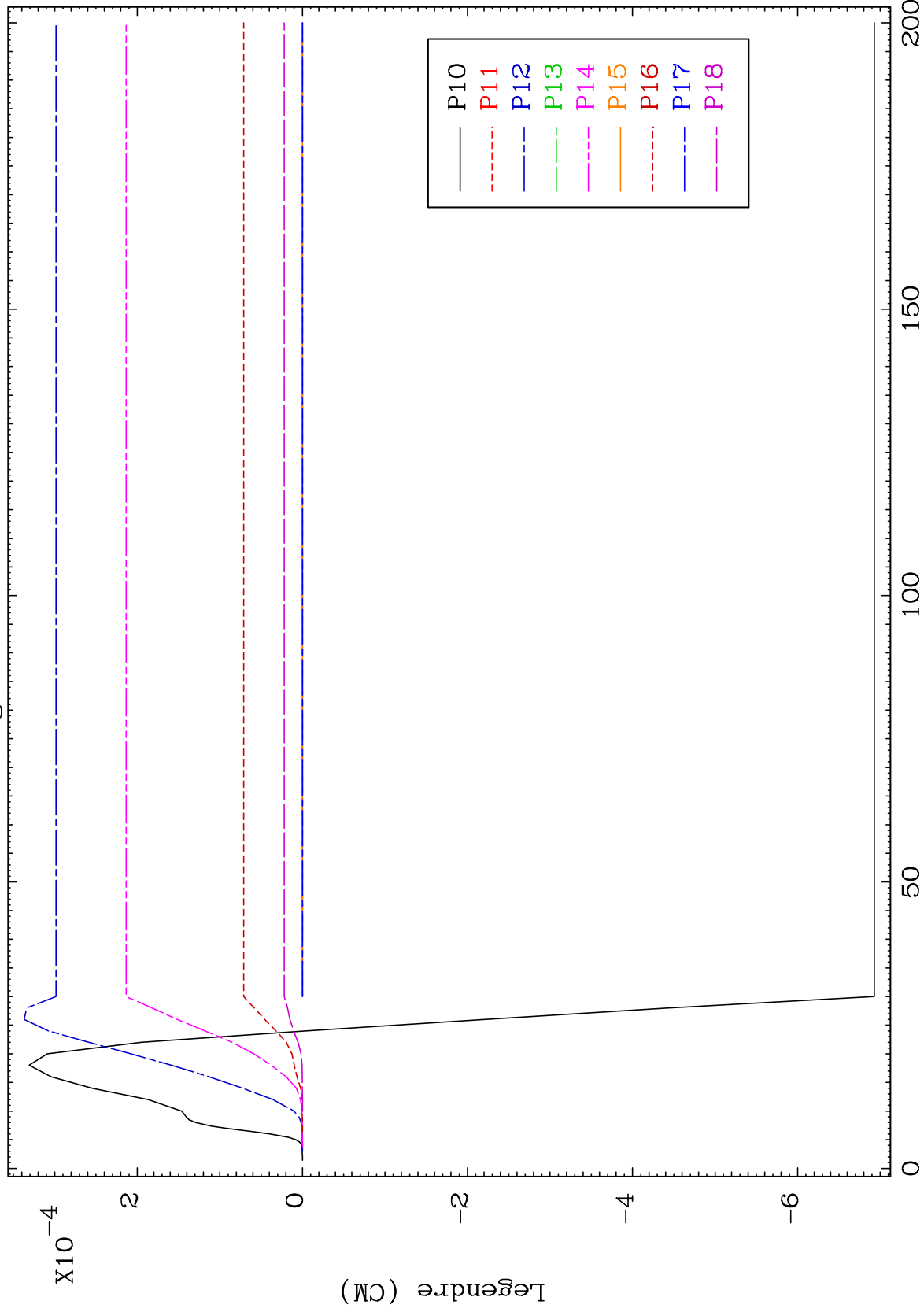
61-Pm-156



MAT 6176

625.0 keV (n,n') Level
Legendre Coefficients

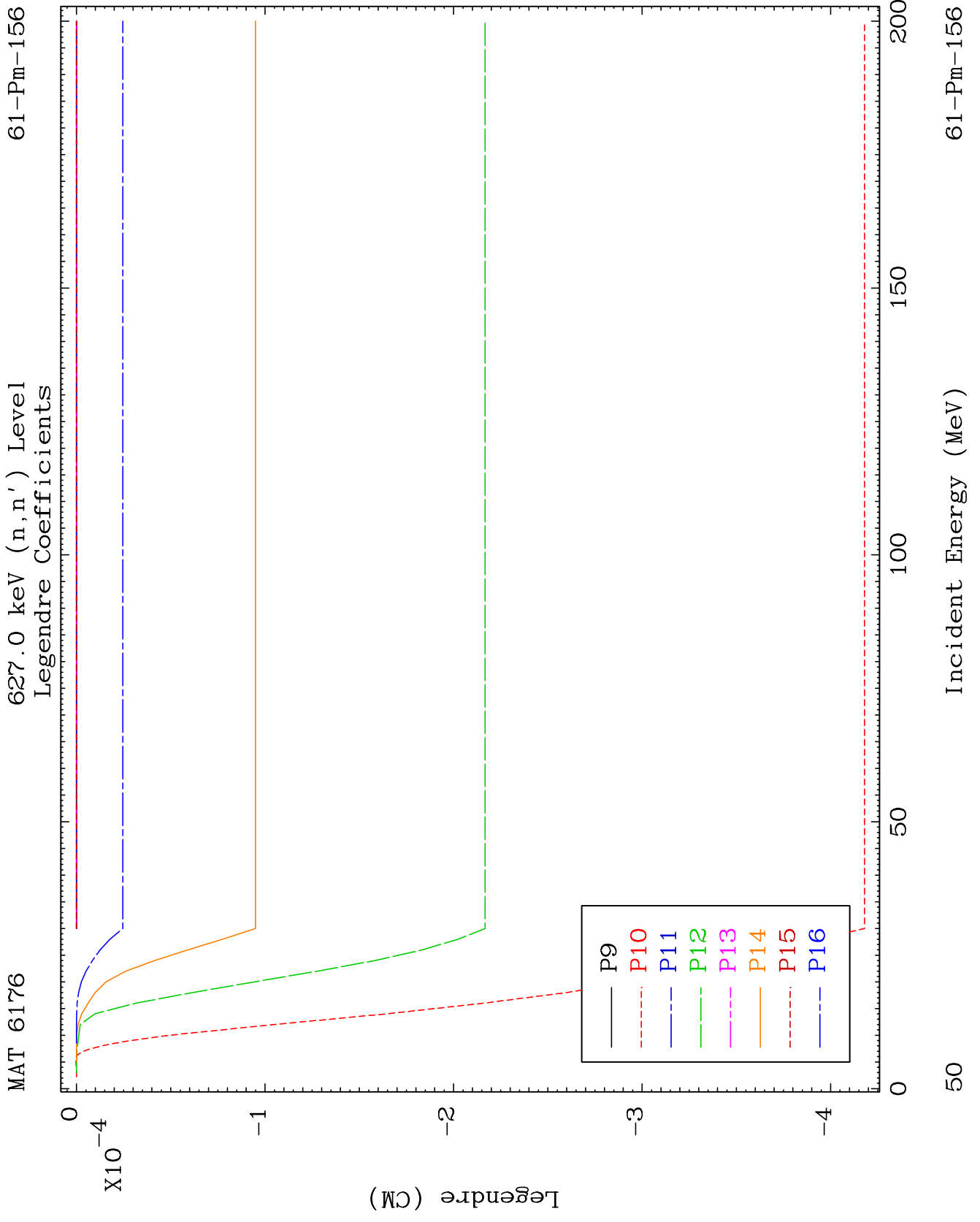
61-Pm-156

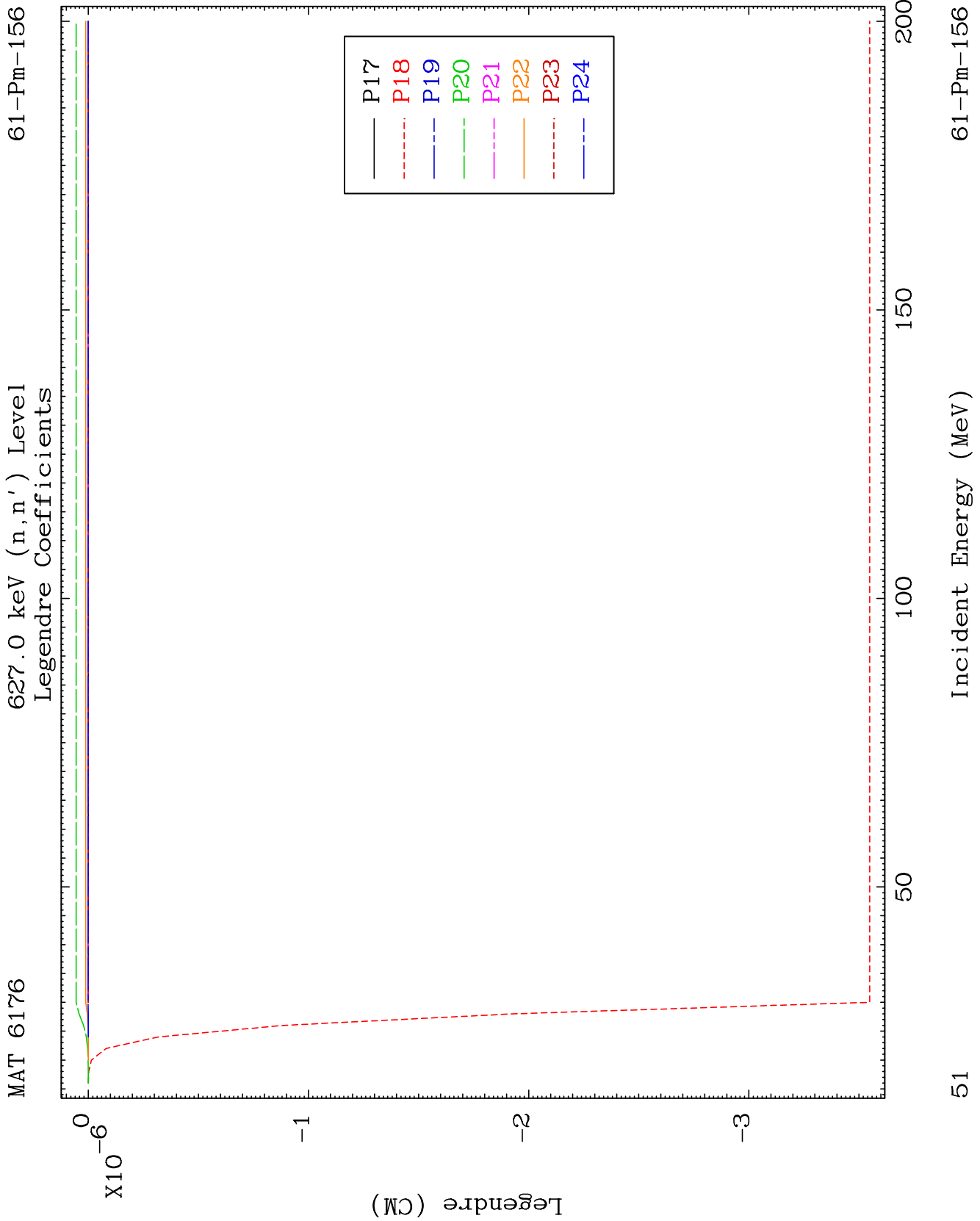


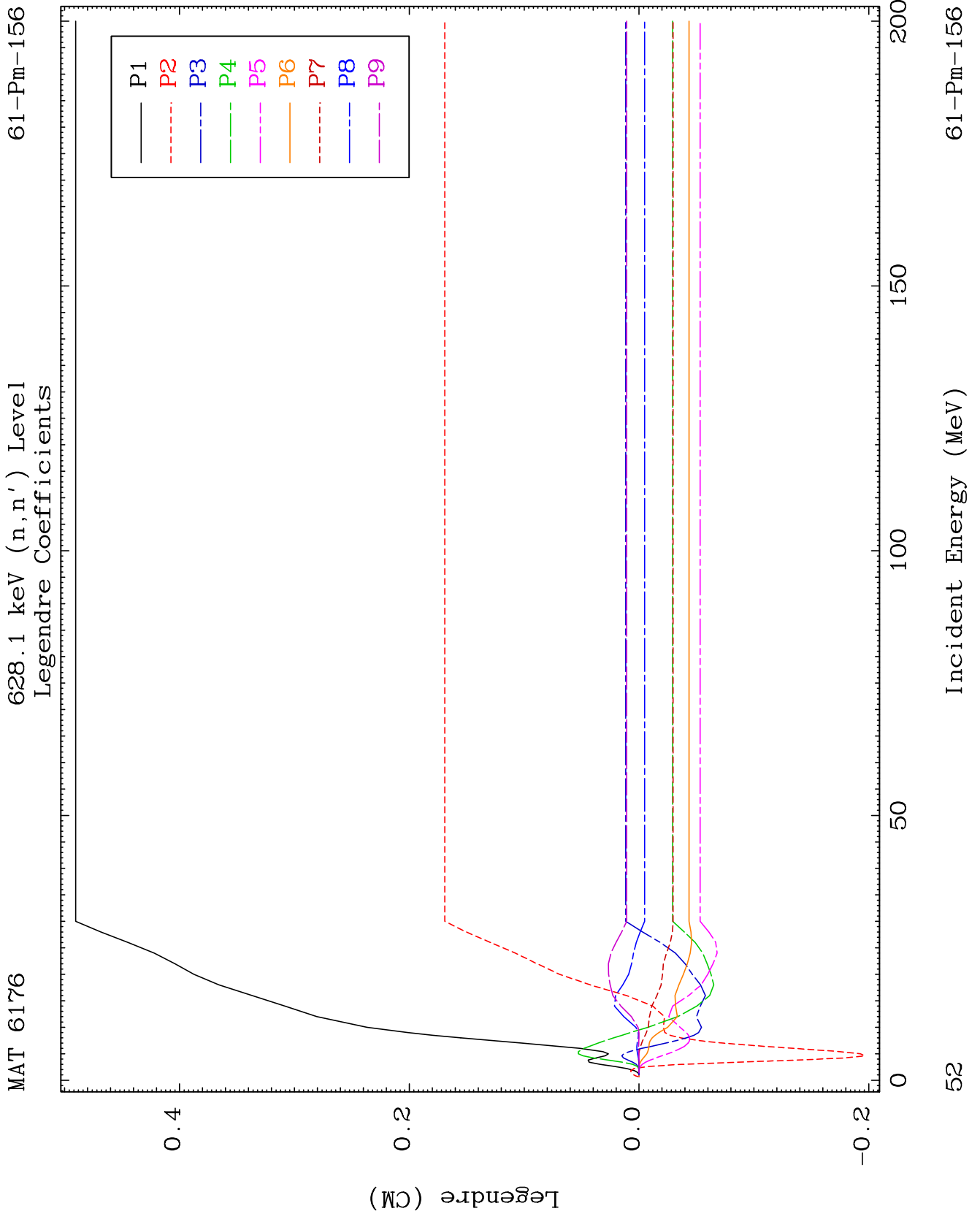
47

Incident Energy (MeV)

61-Pm-156



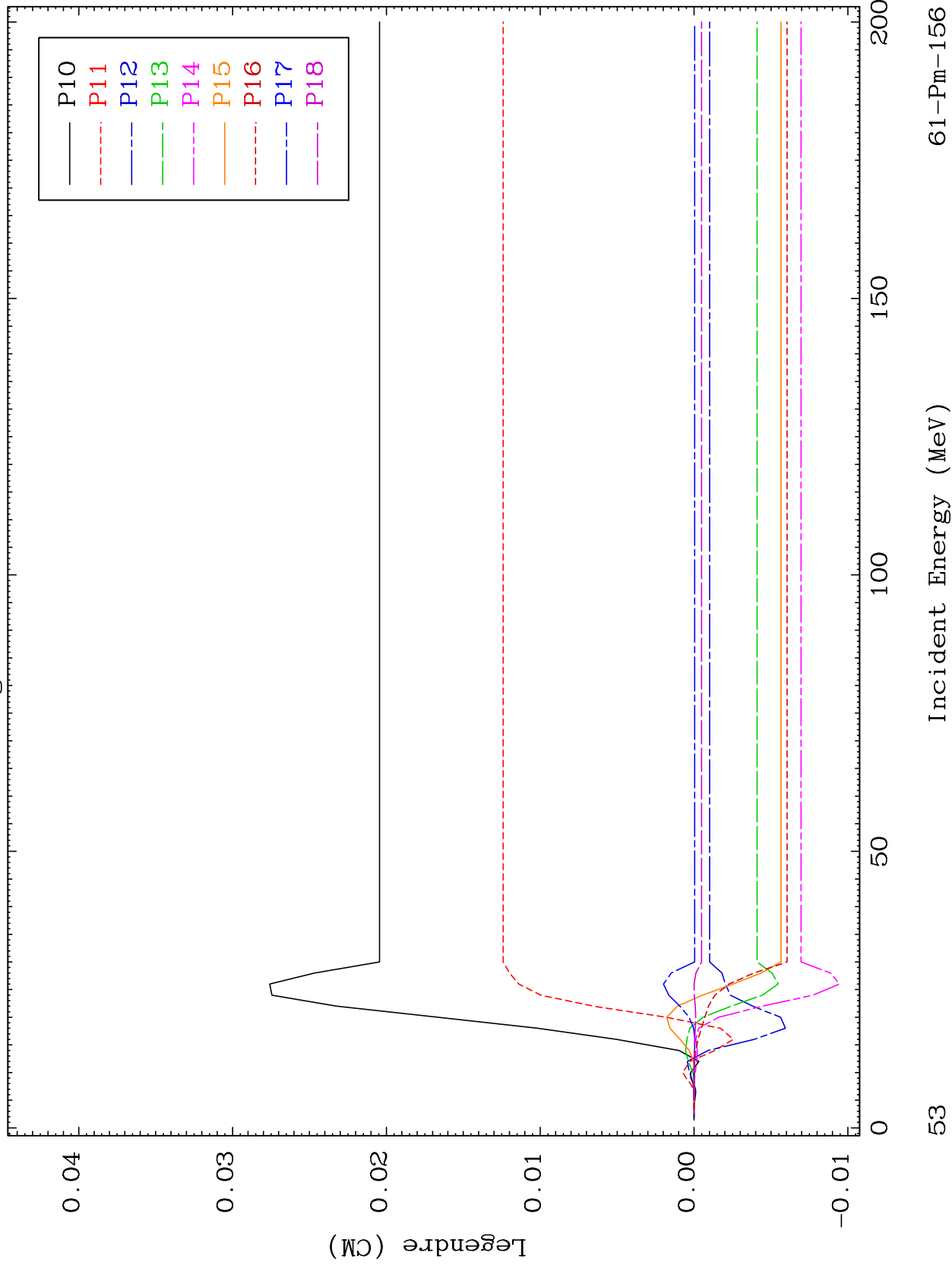




MAT 6176

628.1 keV (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

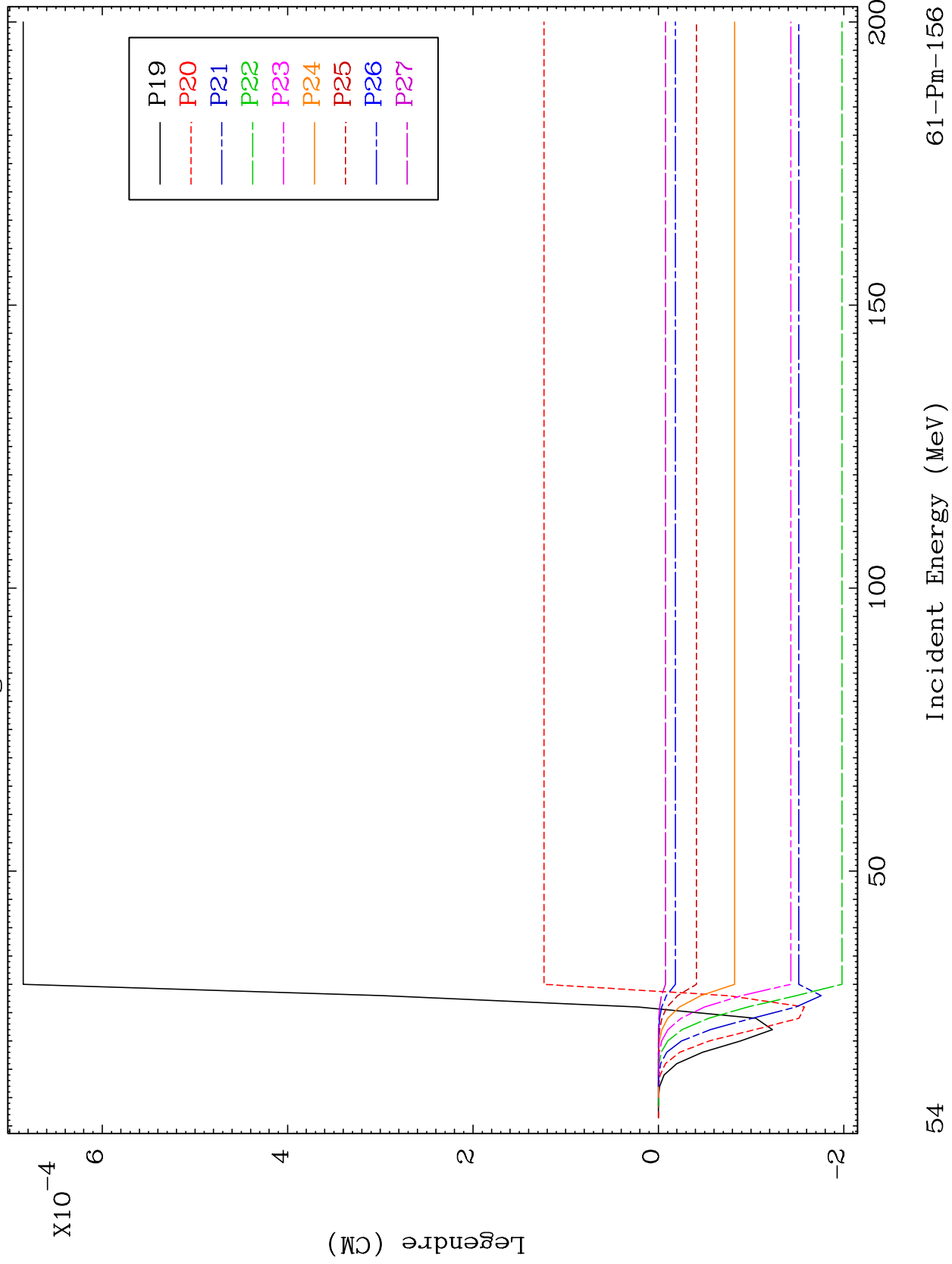
Incident Energy (MeV)

53

MAT 6176

628.1 keV (n,n') Level
Legendre Coefficients

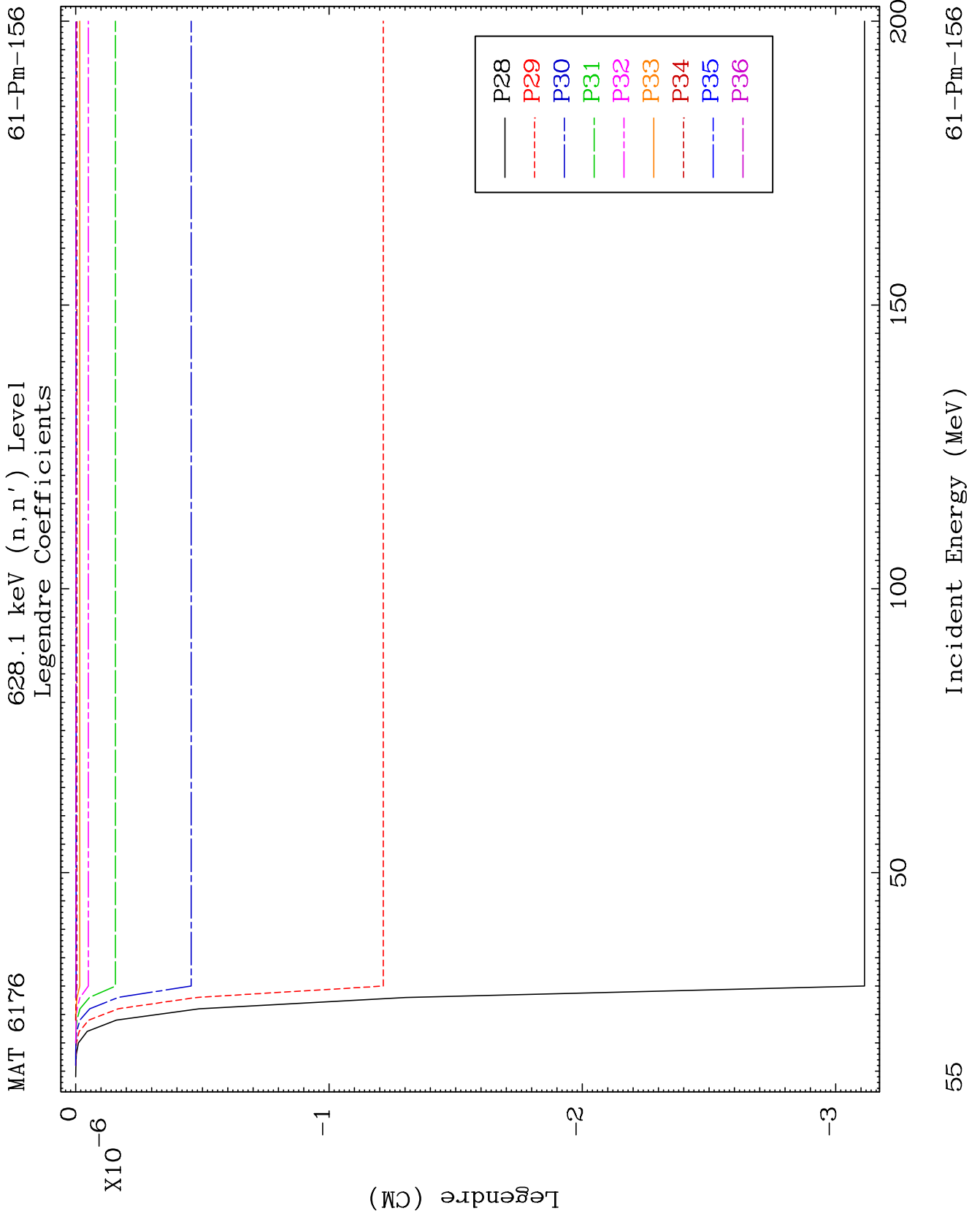
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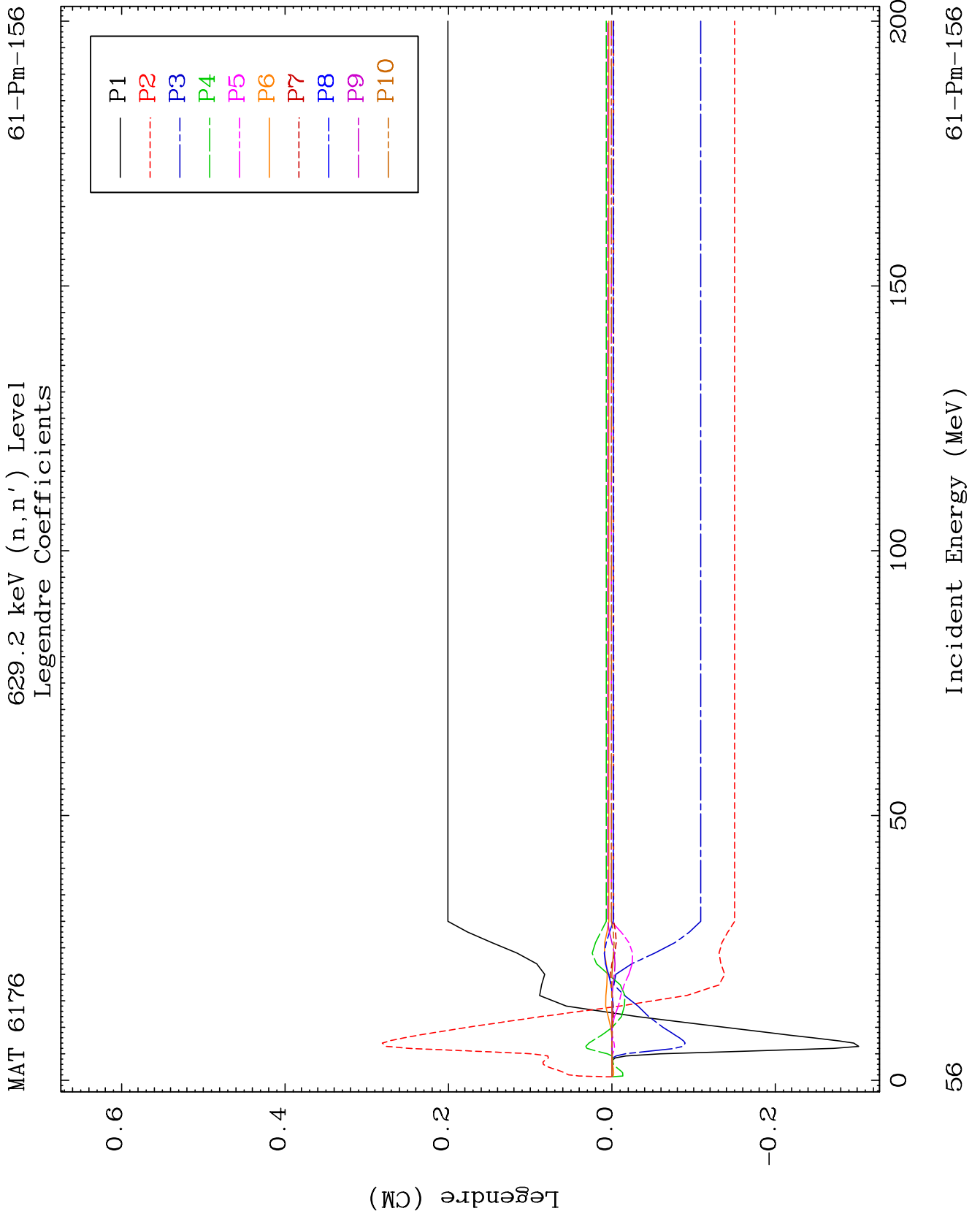


54

Incident Energy (MeV)

61-Pm-156

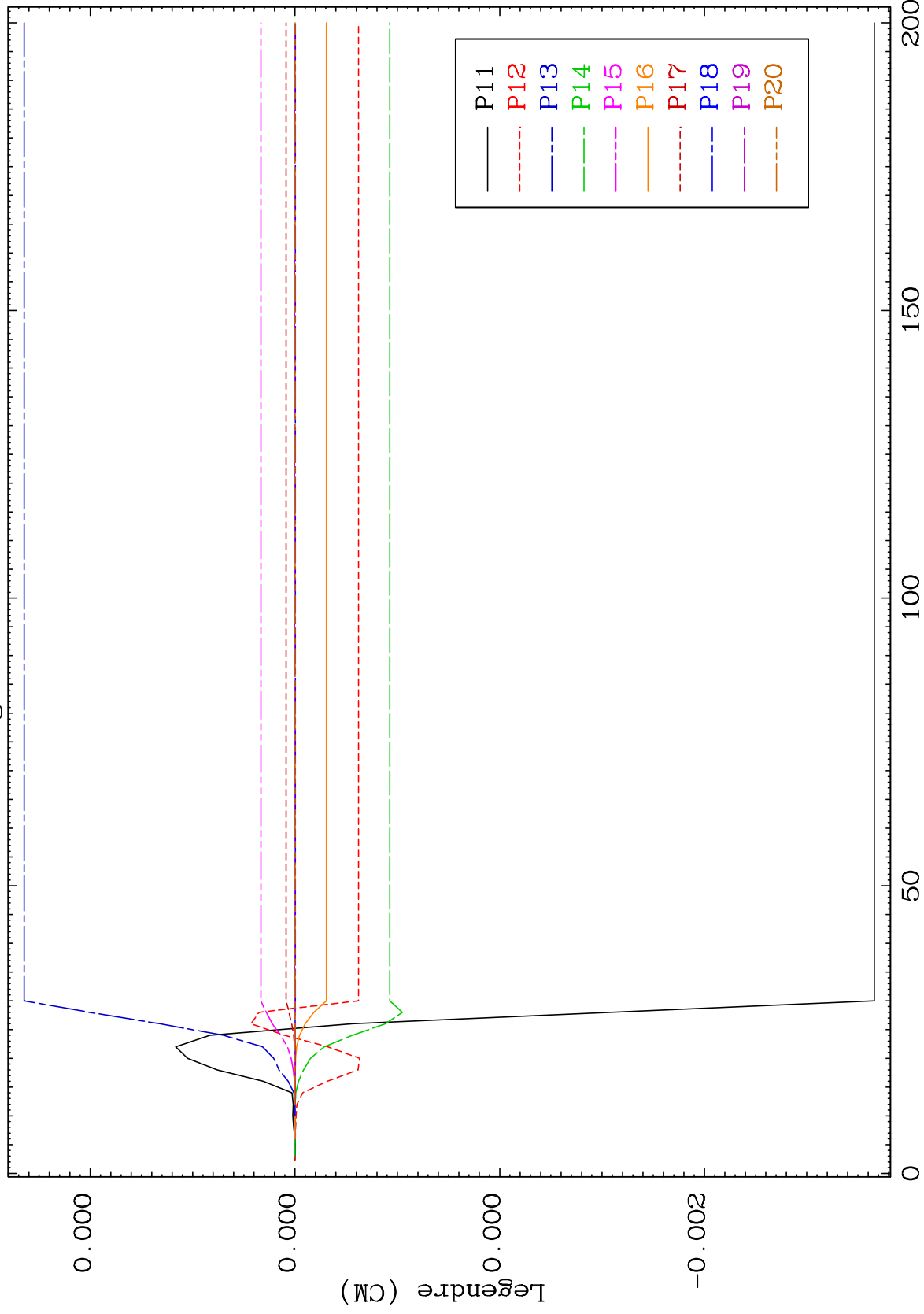




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629.2 keV (n,n') Level
Legendre Coefficients

61-Pm-156



57

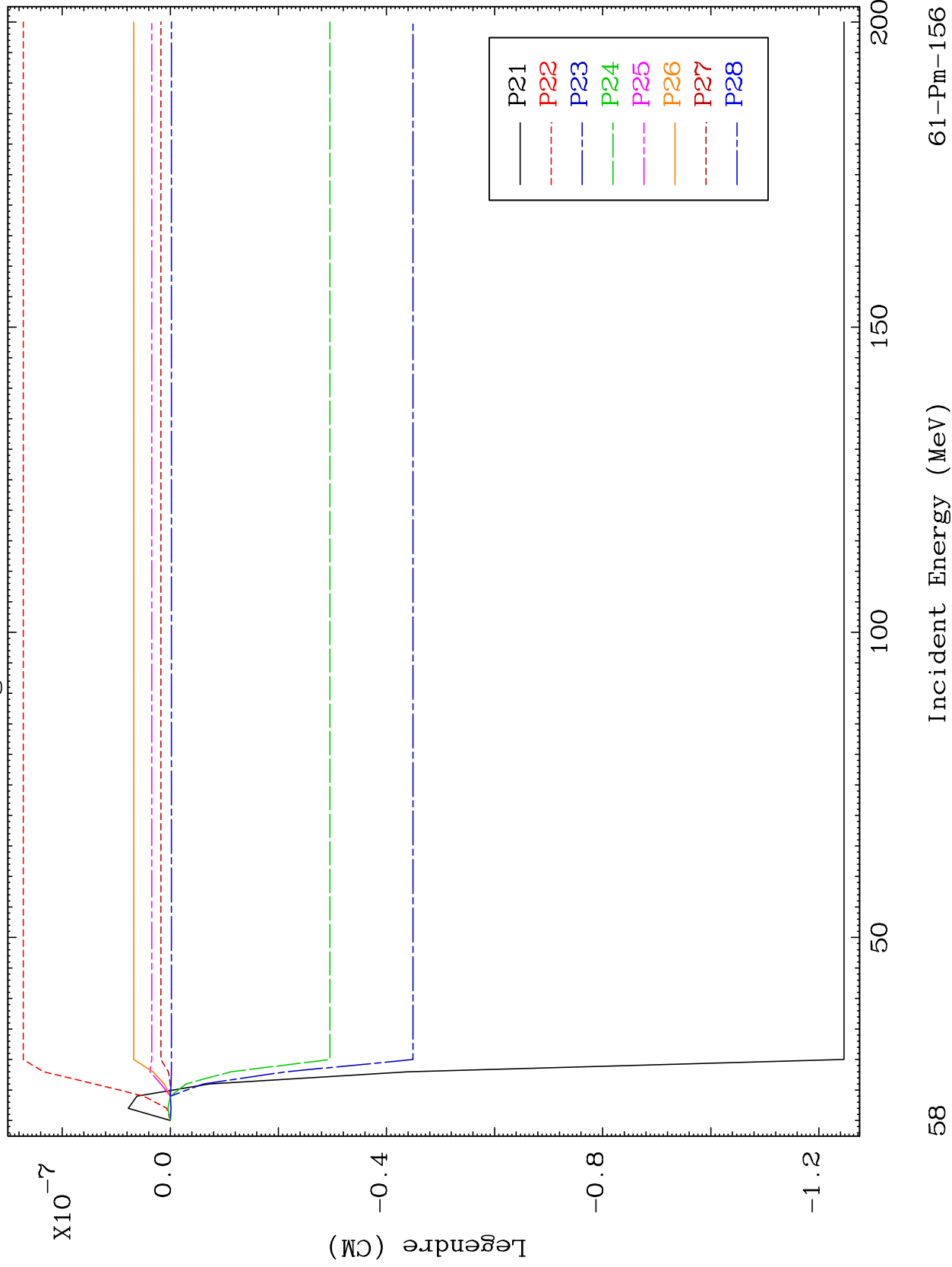
Incident Energy (MeV)

61-Pm-156

MAT 6176

629.2 keV (n,n') Level
Legendre Coefficients

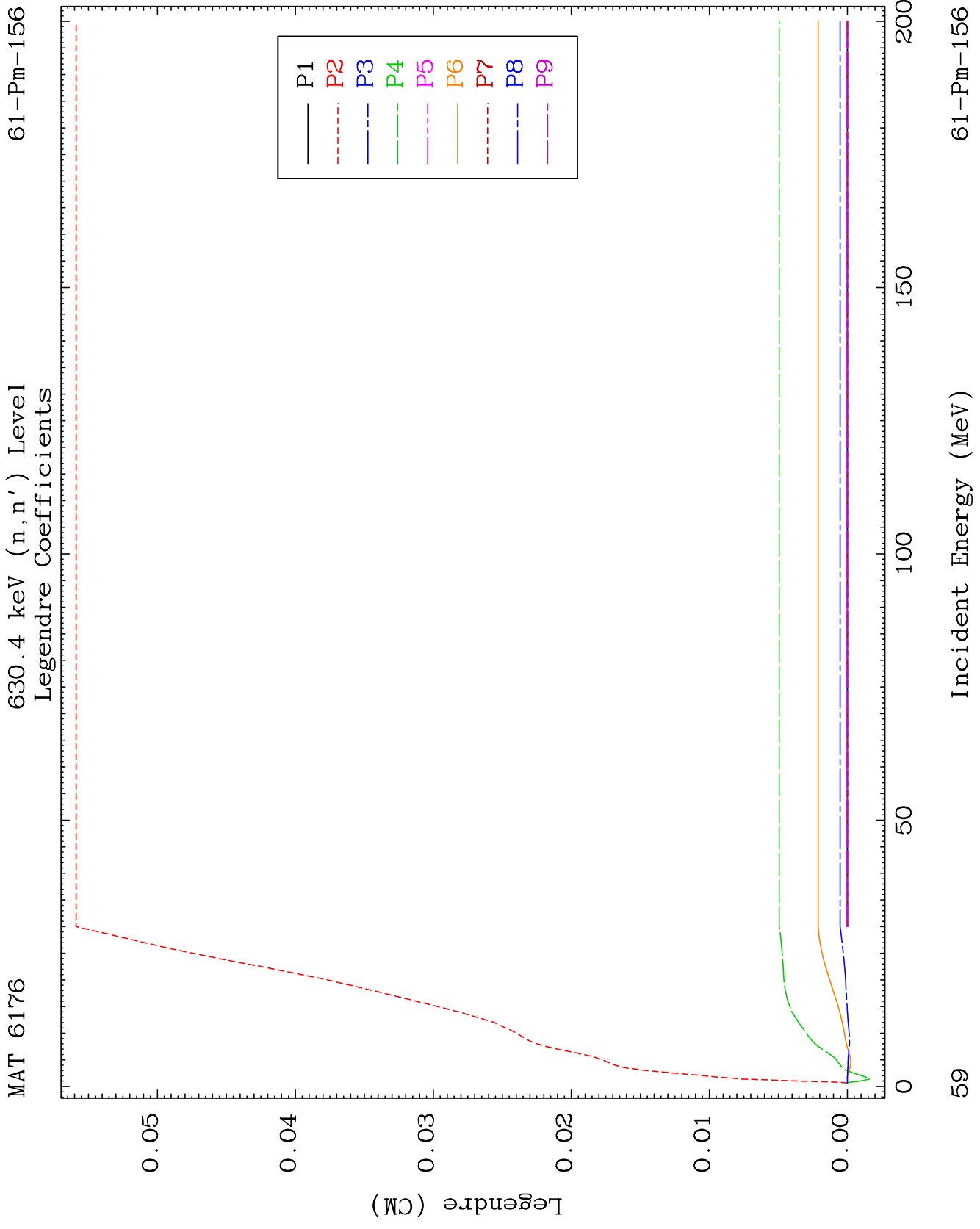
61-Pm-156



58

Incident Energy (MeV)

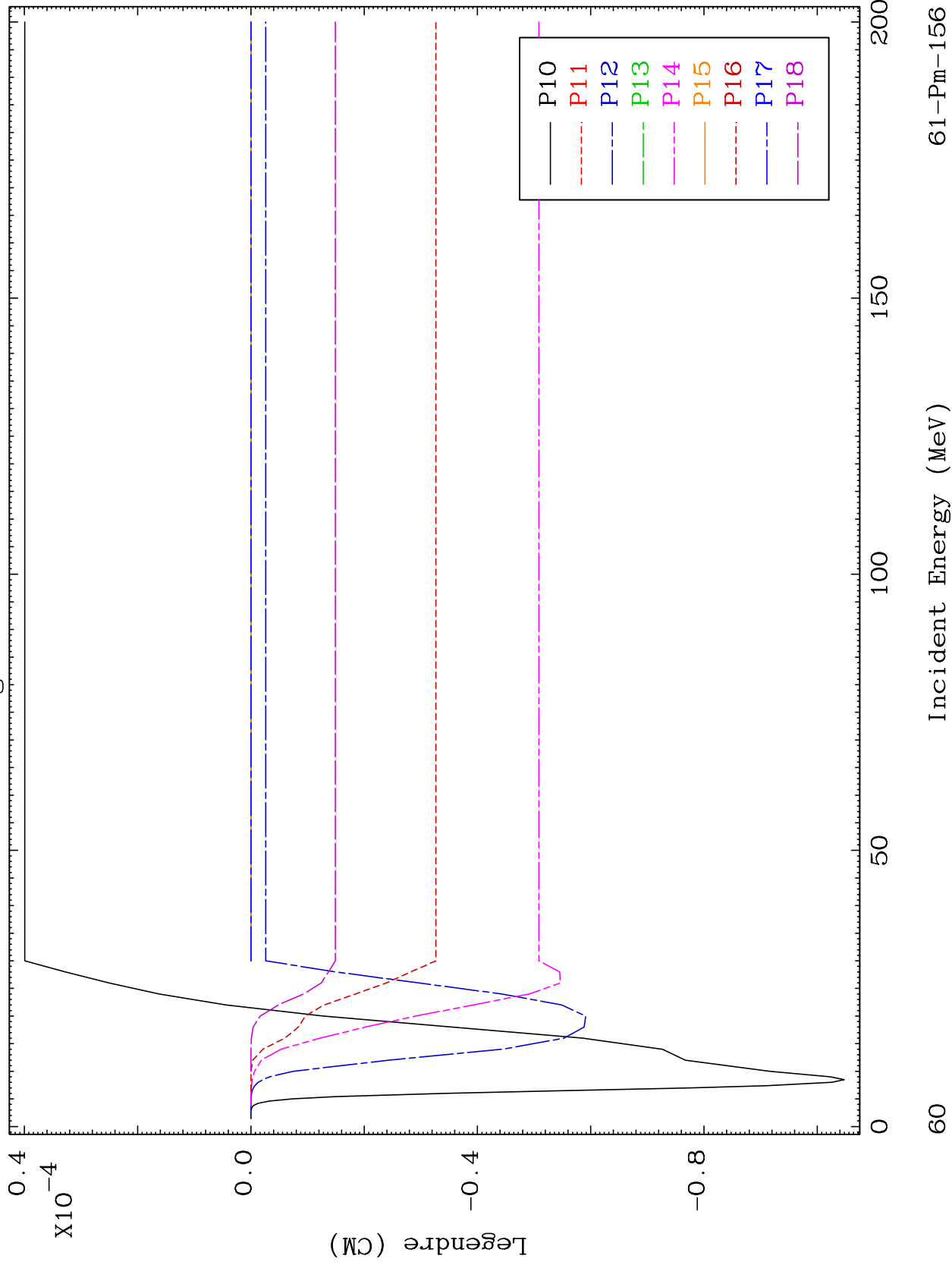
61-Pm-156



MAT 6176

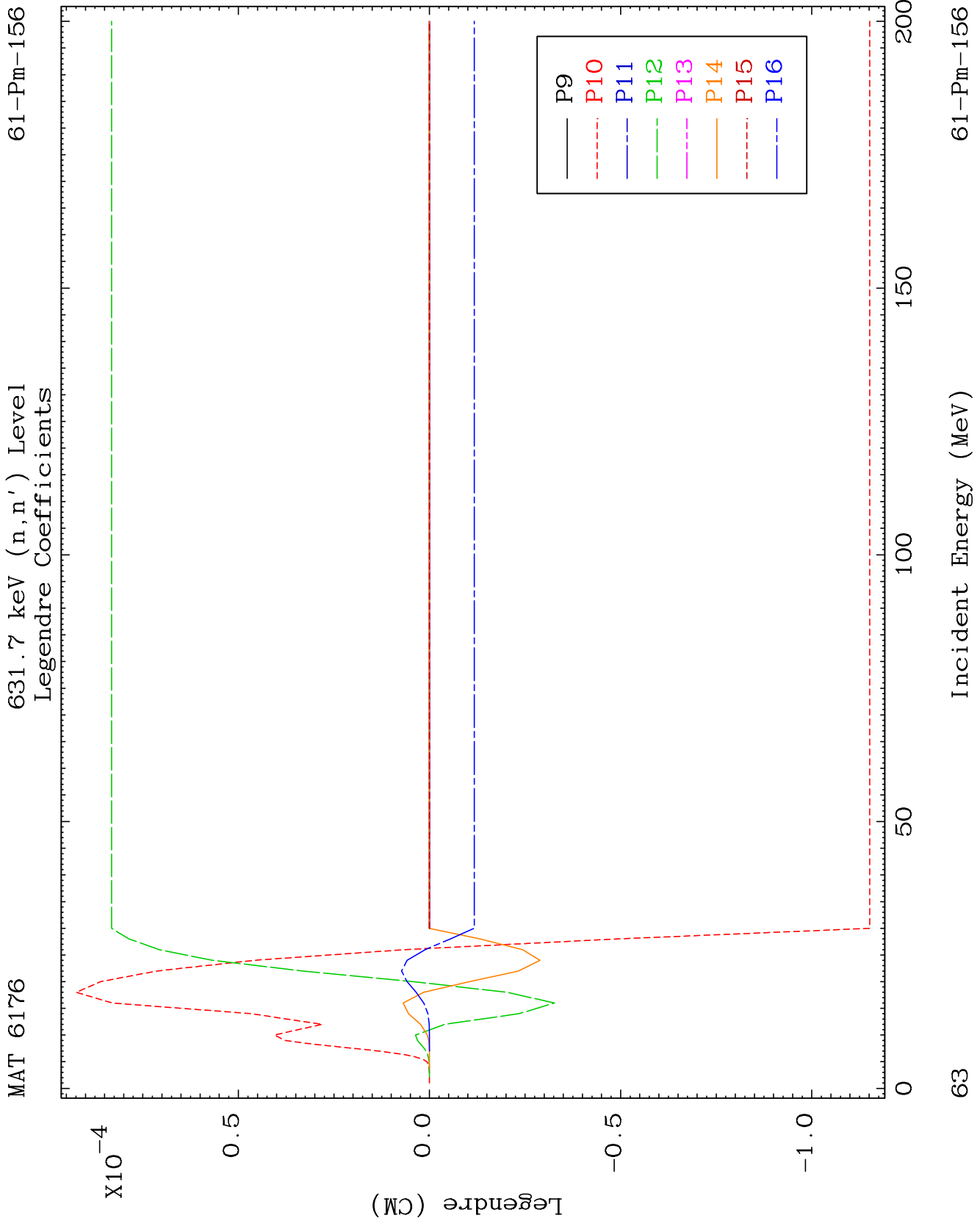
630.4 keV (n,n') Level
Legendre Coefficients

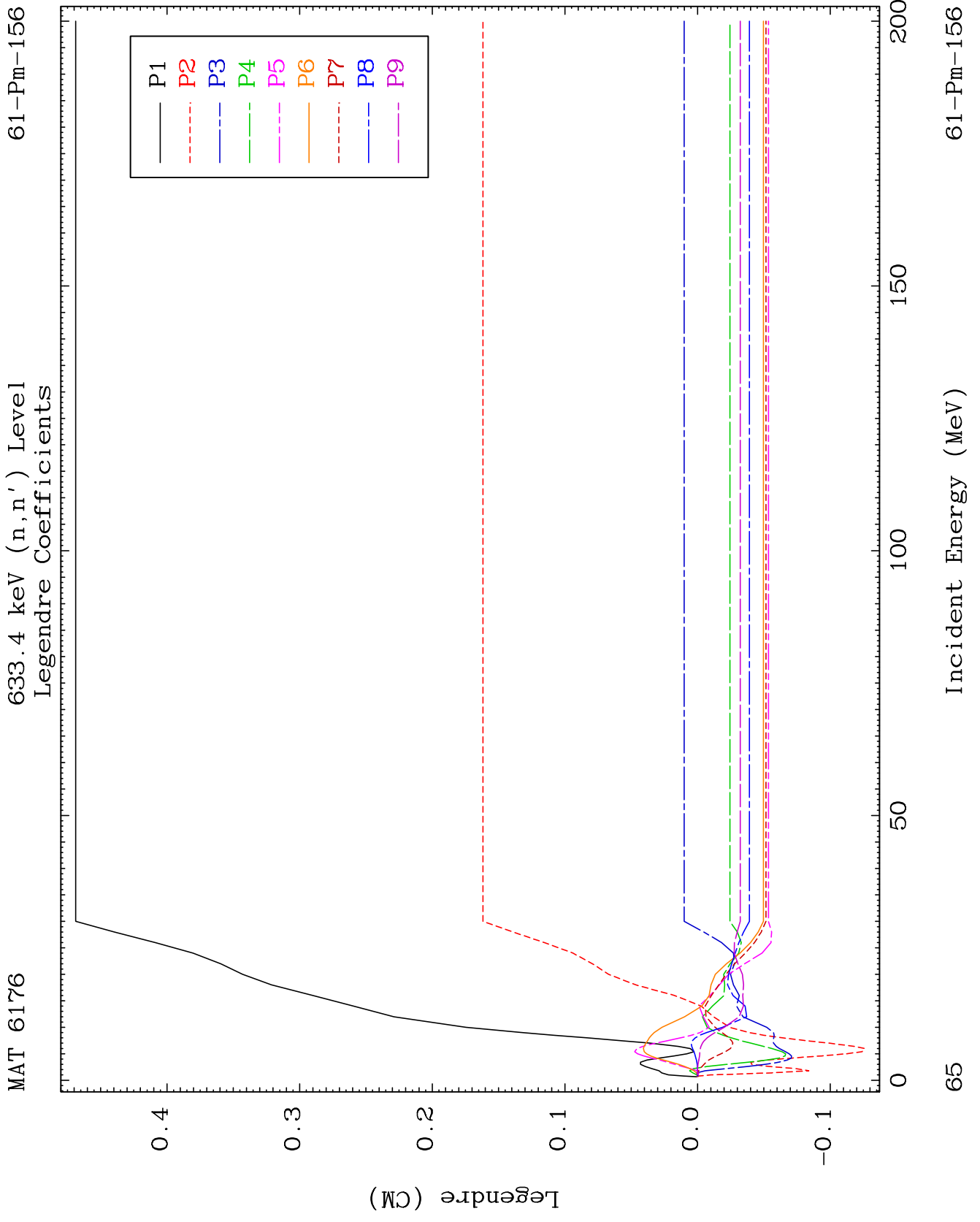
61-Pm-156



61-Pm-156

Incident Energy (MeV)

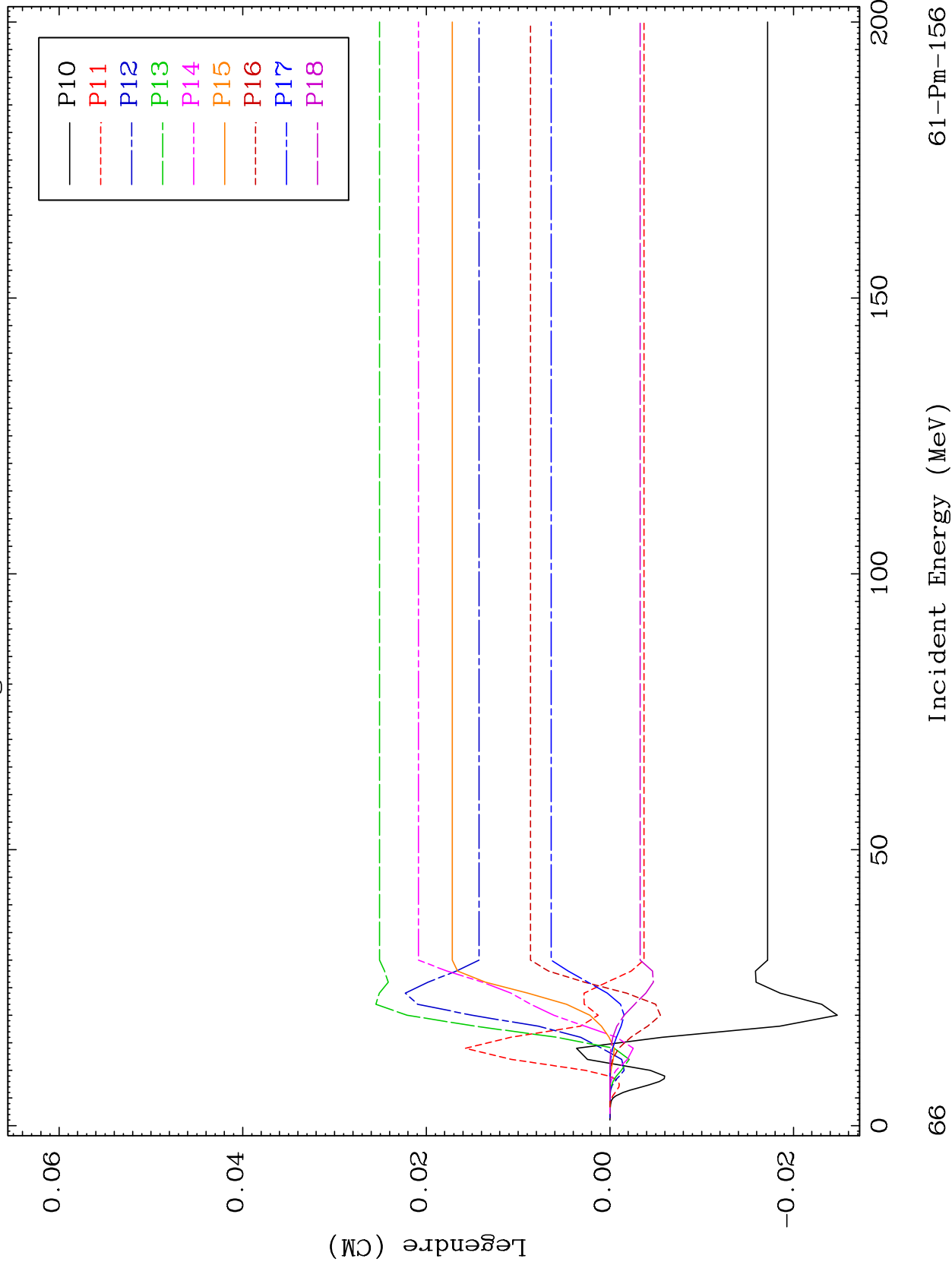




MAT 6176

633.4 keV (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

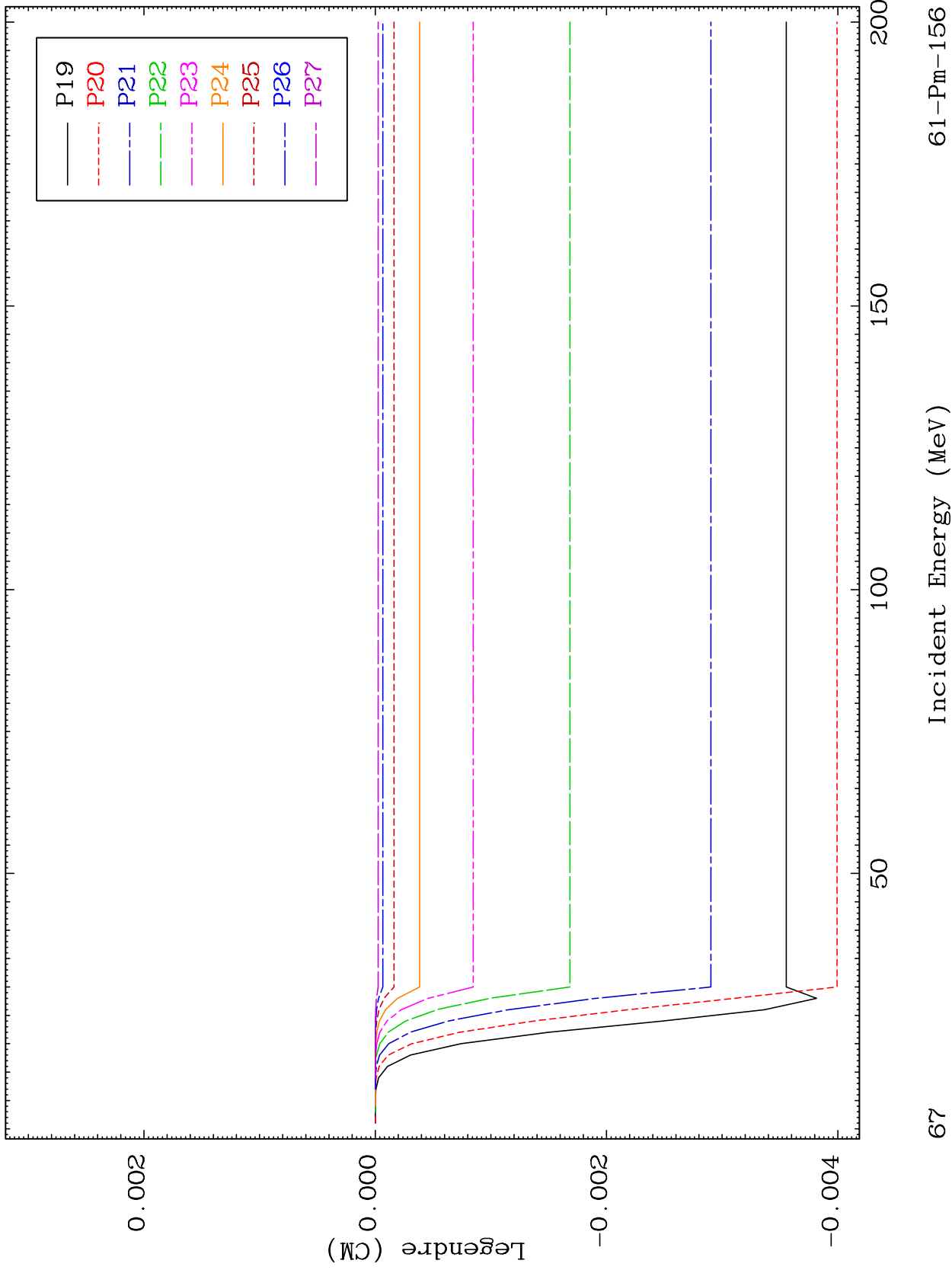
Incident Energy (MeV)

66

MAT 6176

633.4 keV (n,n') Level
Legendre Coefficients

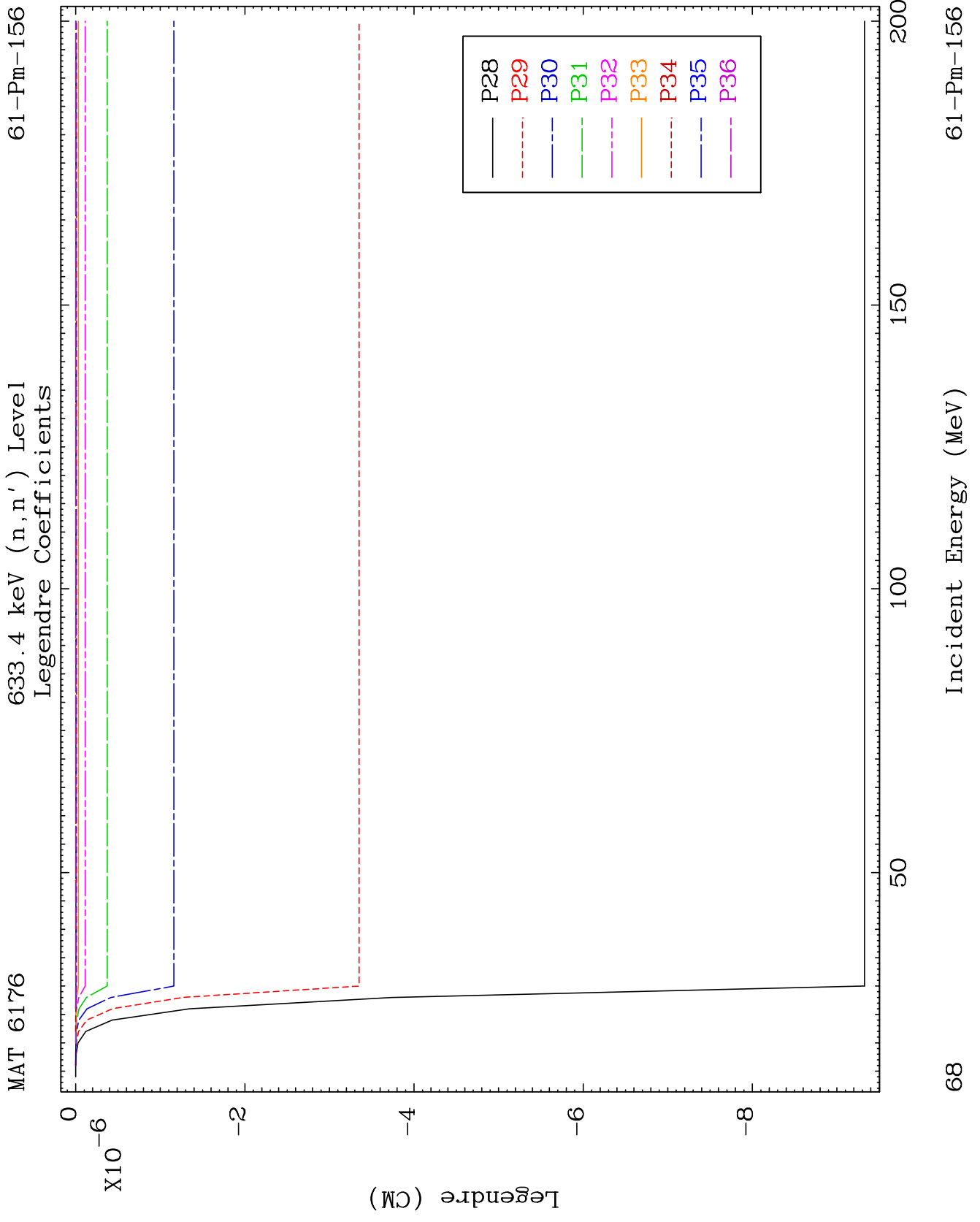
61-Pm-156



67

Incident Energy (MeV)

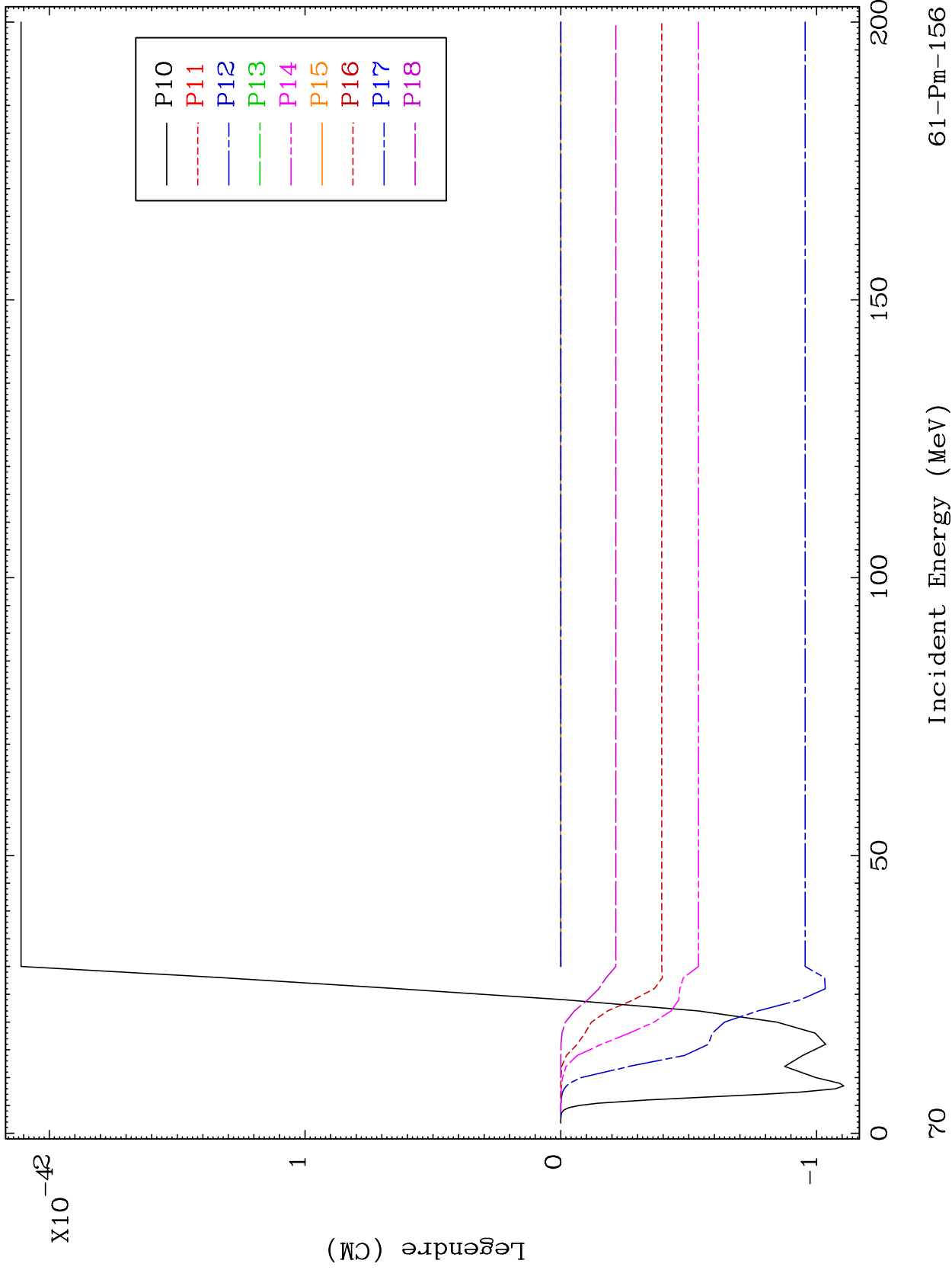
61-Pm-156



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646.5 keV (n,n') Level
Legendre Coefficients

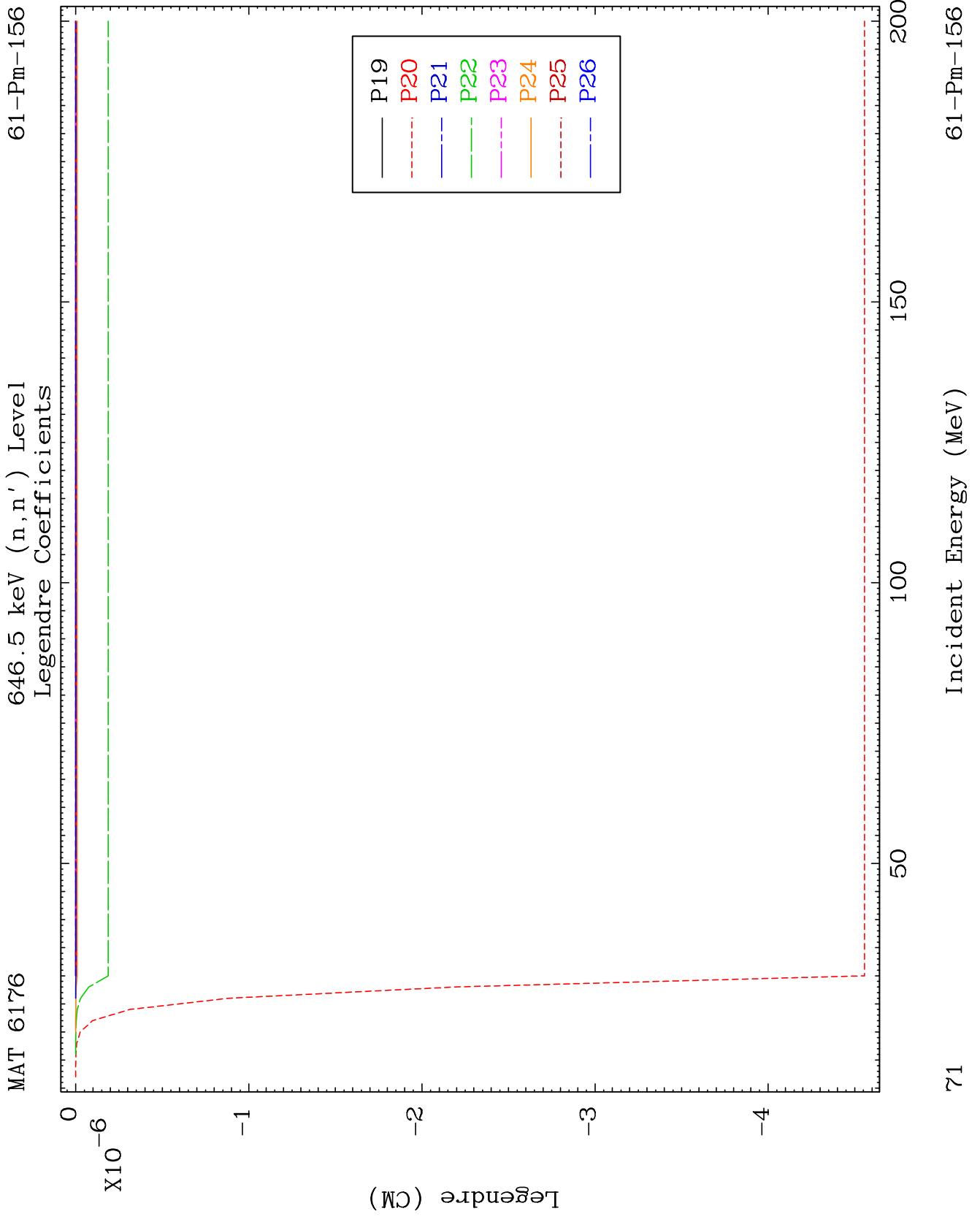
61-Pm-156

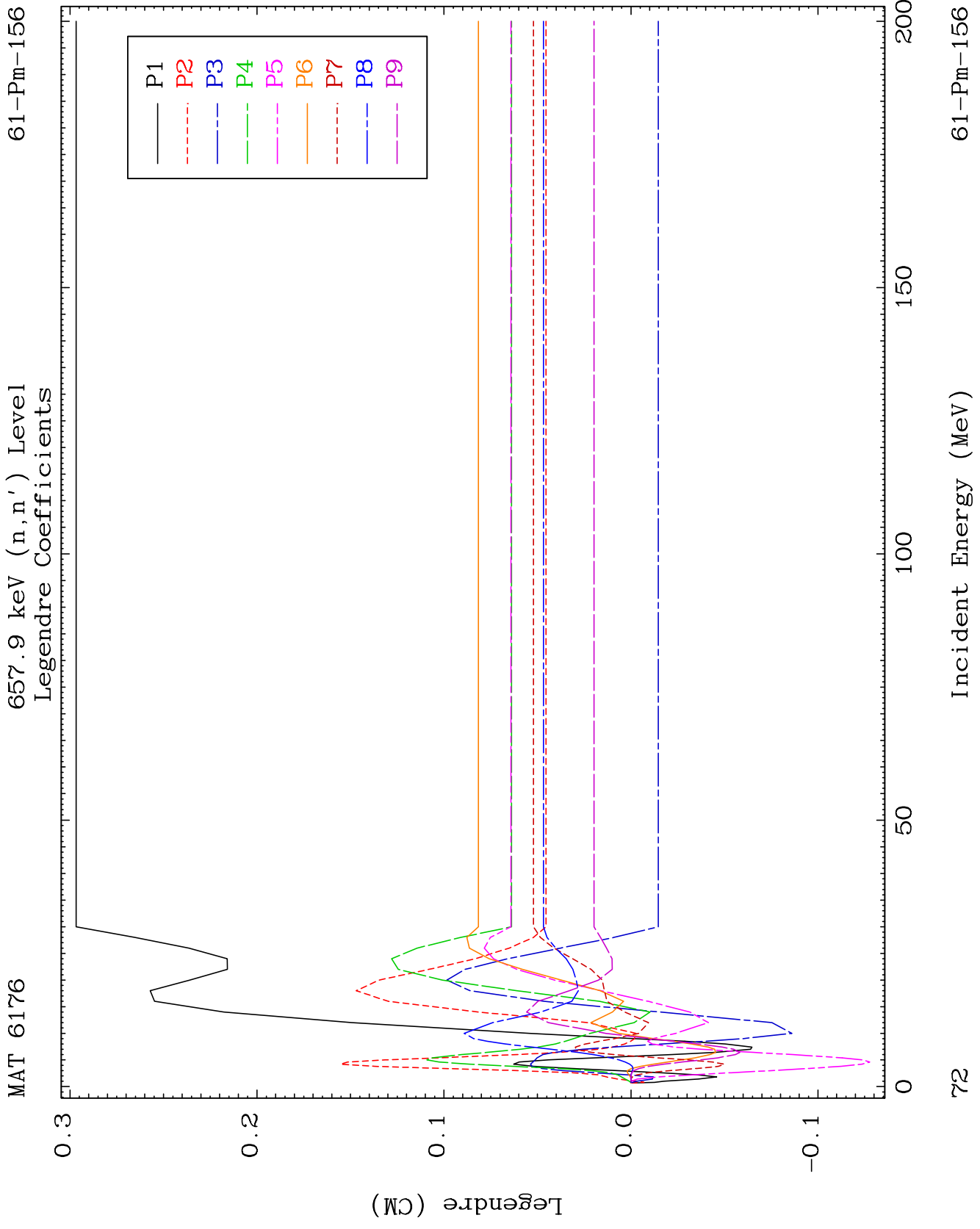


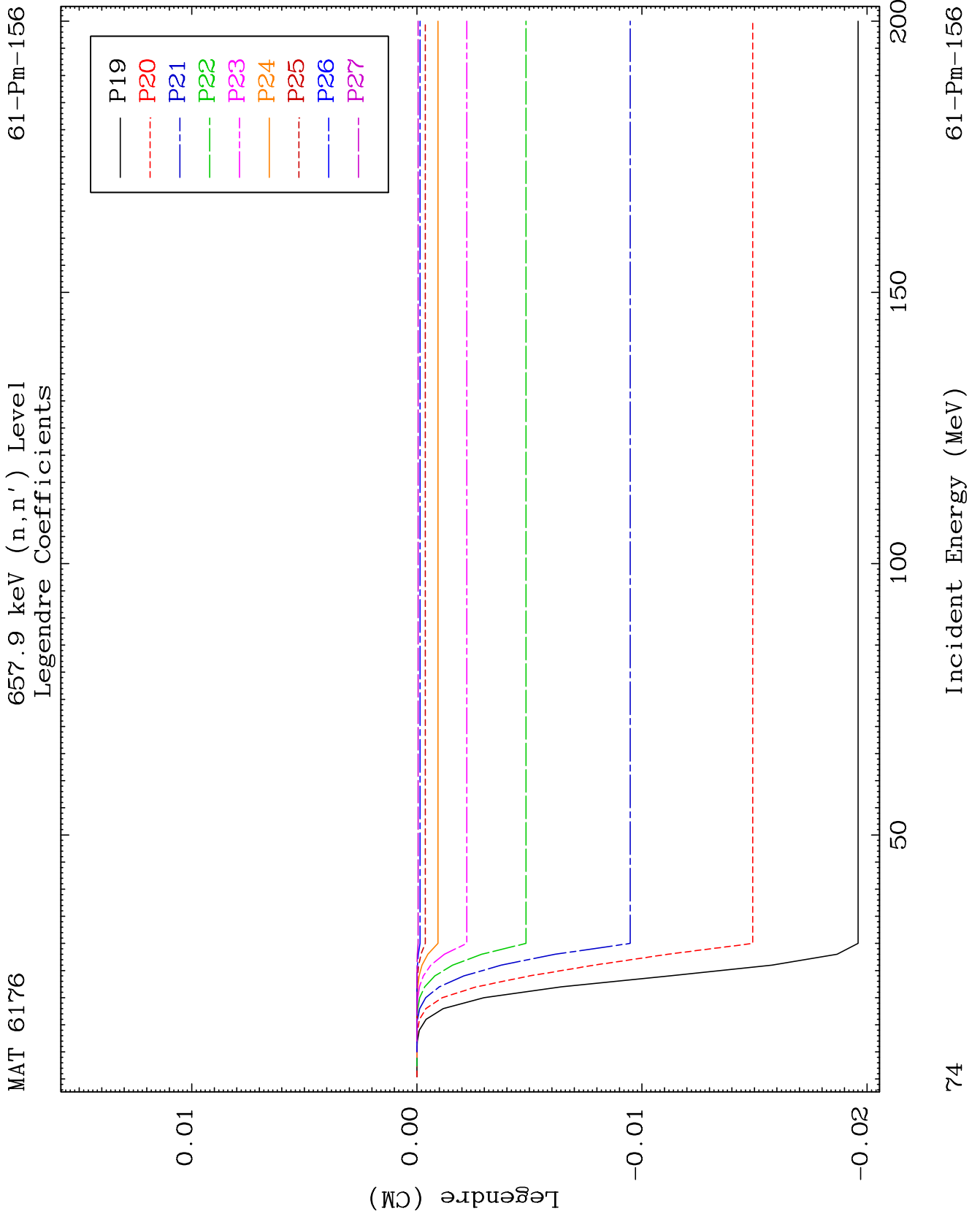
61-Pm-156

Incident Energy (MeV)

70



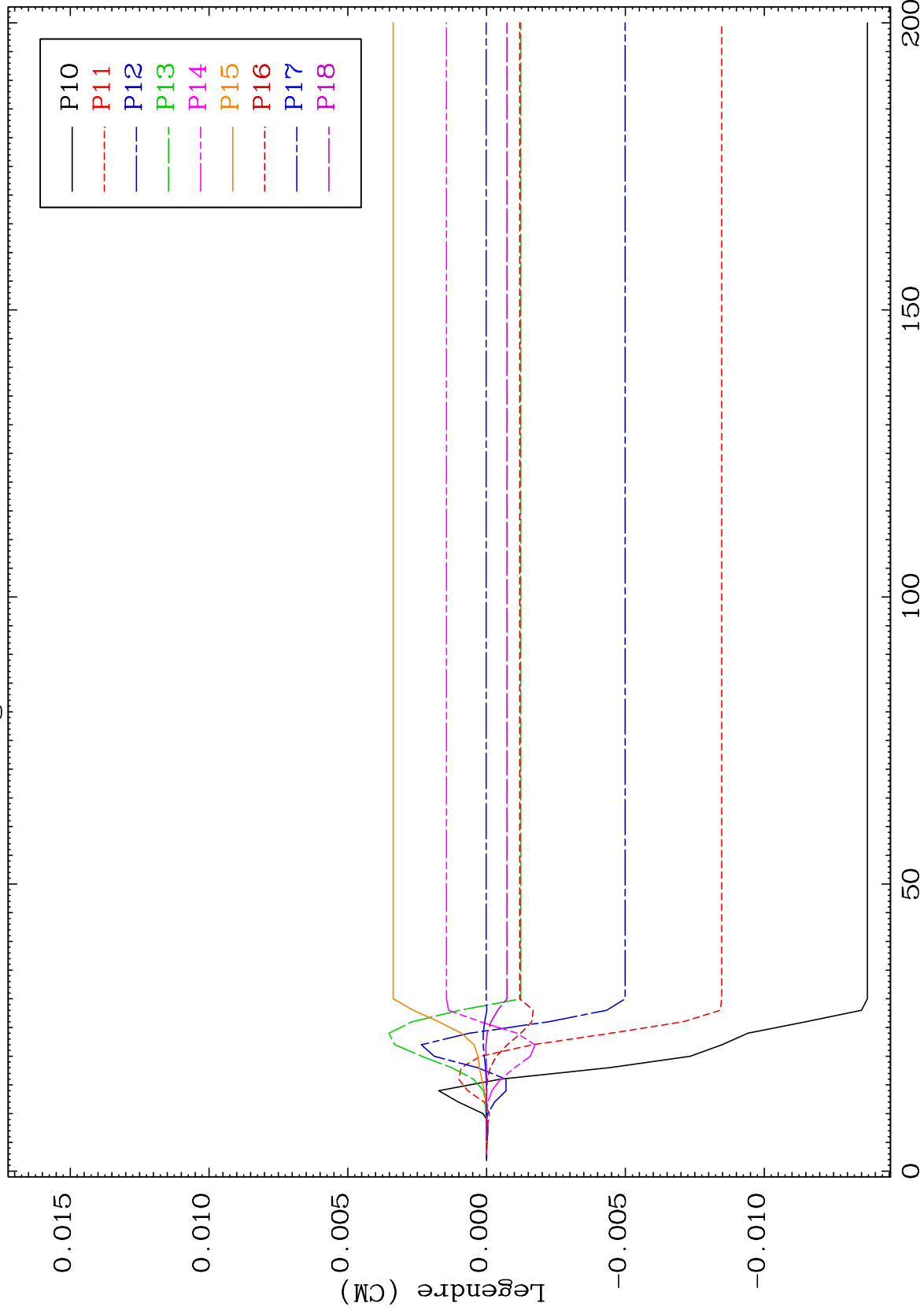


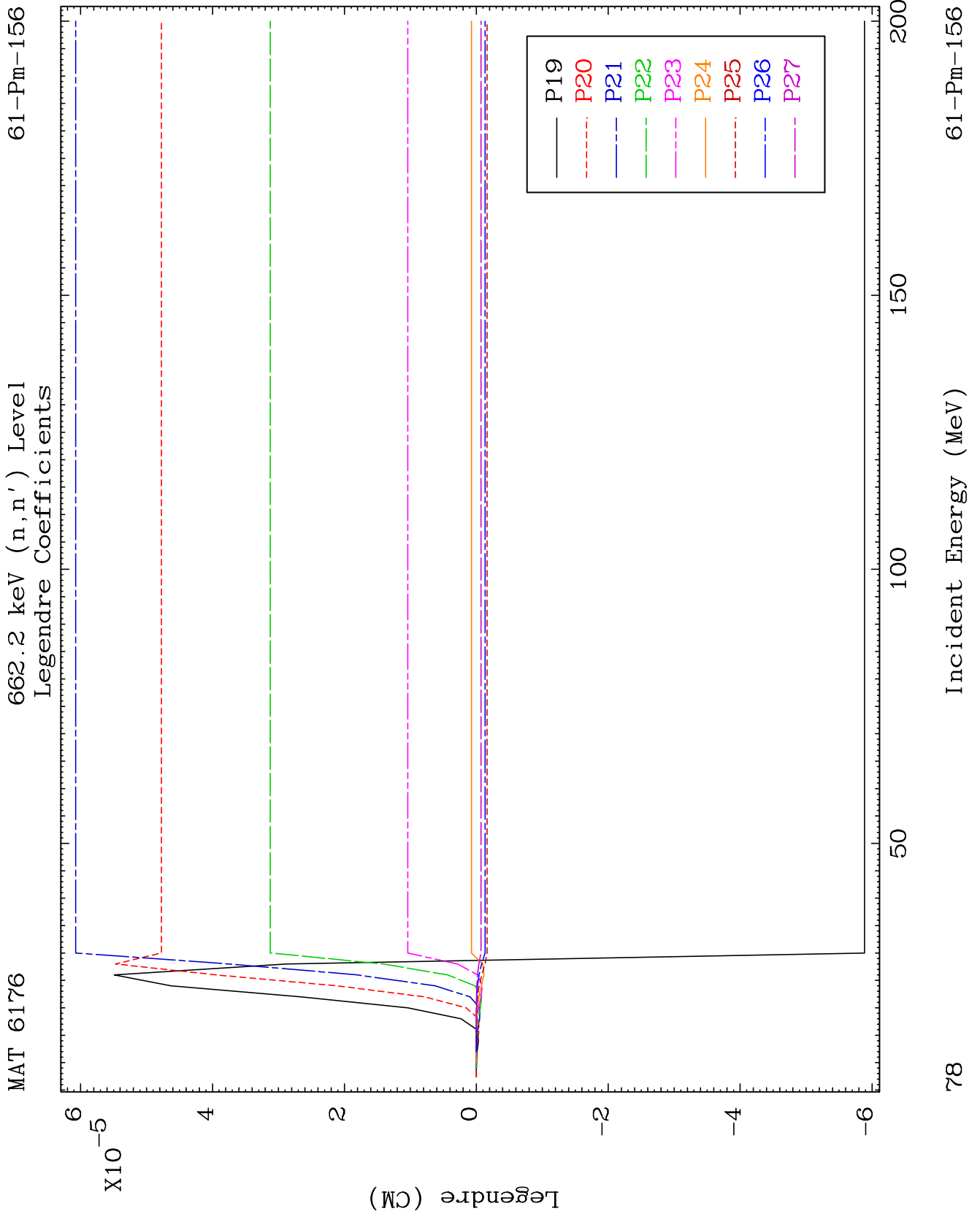


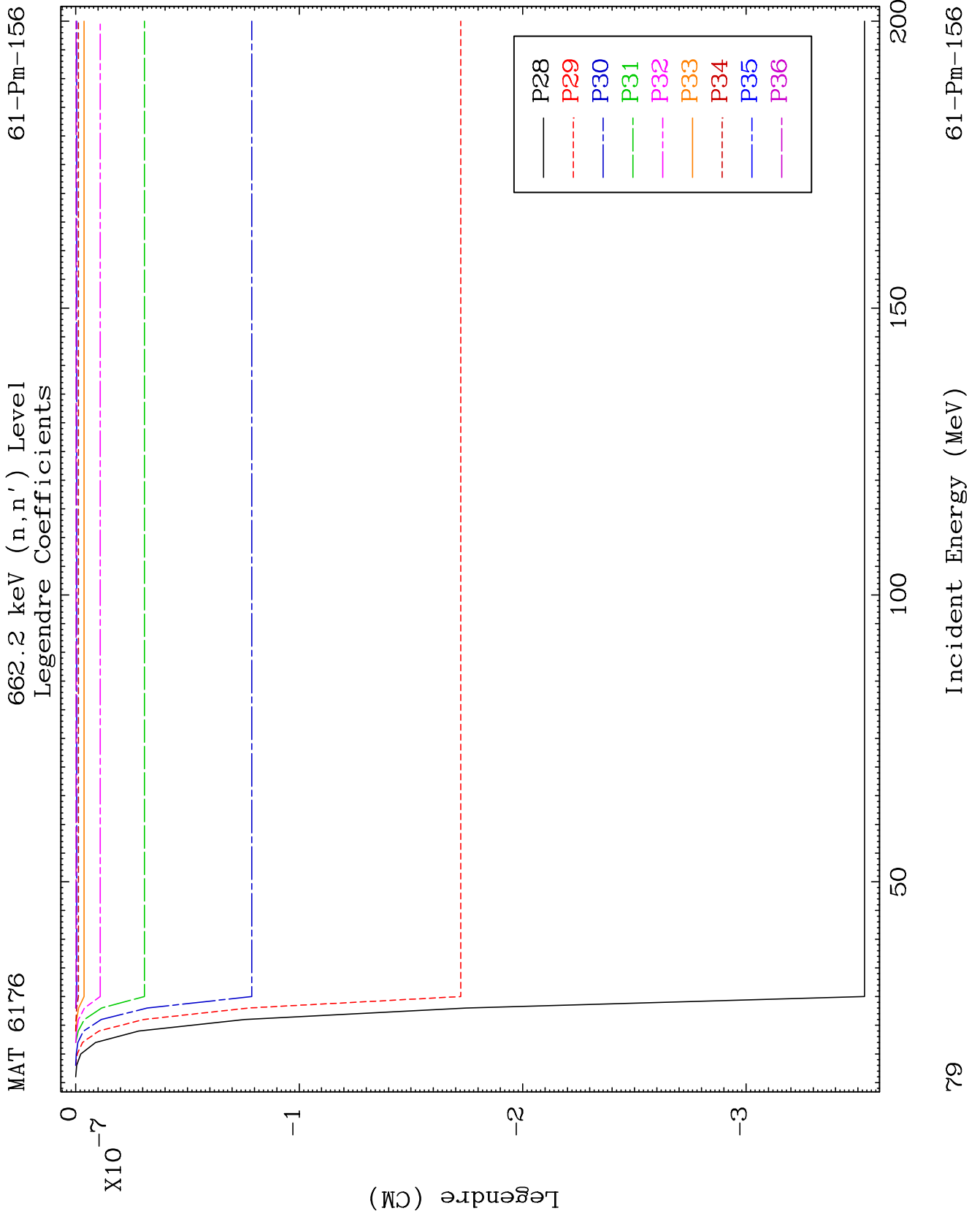
MAT 6176

662.2 keV (n,n') Level
Legendre Coefficients

61-Pm-156



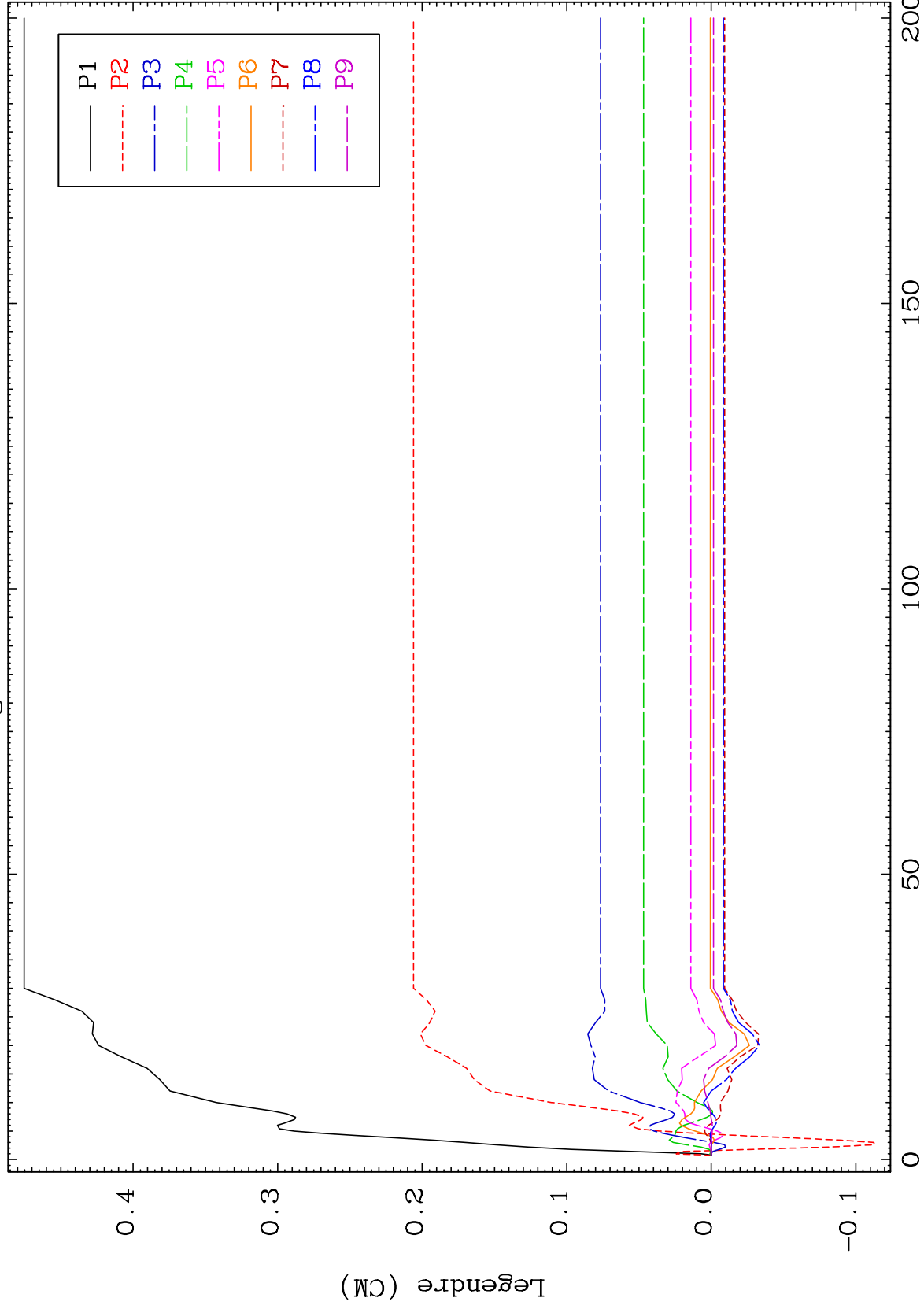




MAT 6176

663.6 keV (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

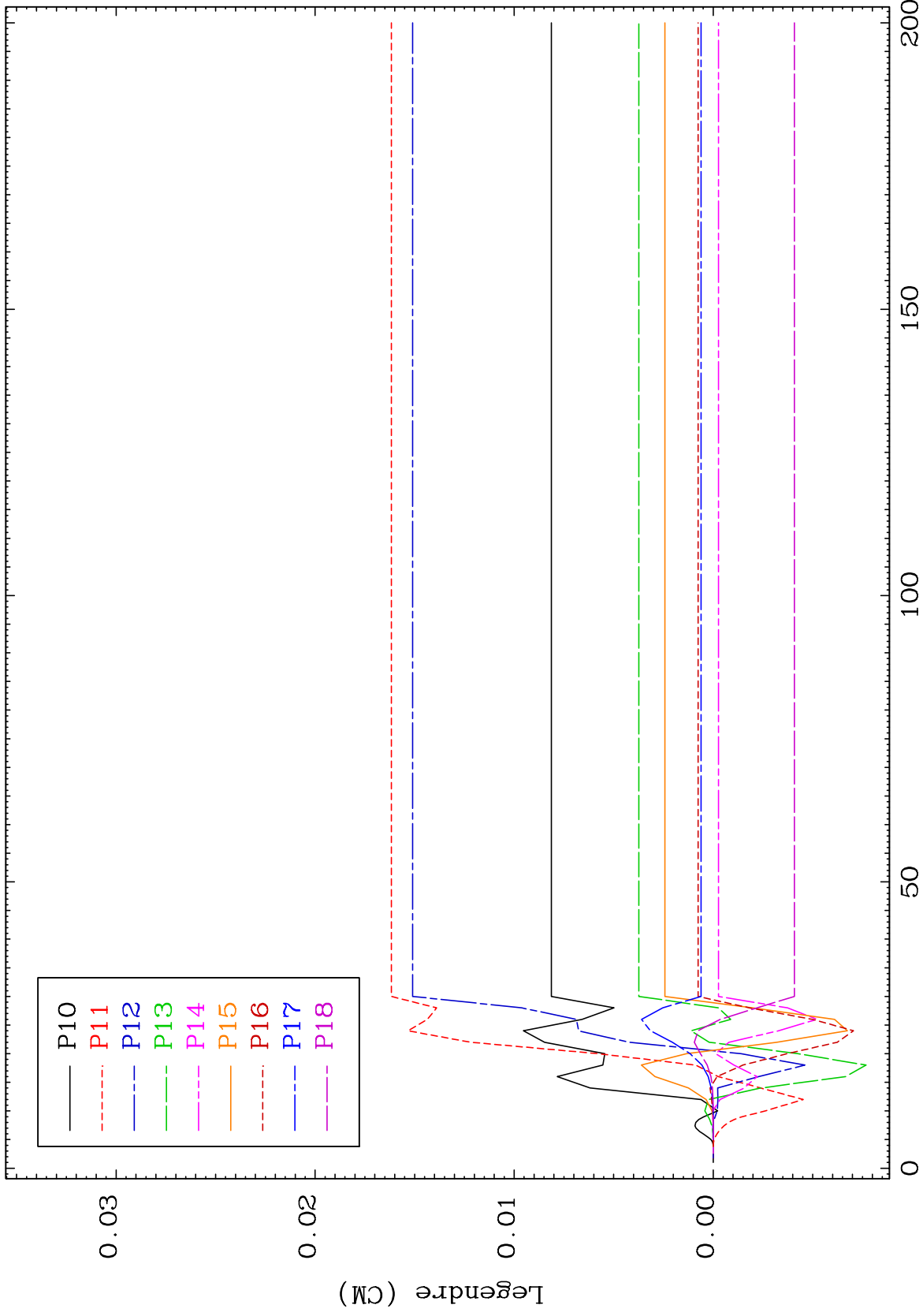
Incident Energy (MeV)

80

MAT 6176

663.6 keV (n,n') Level
Legendre Coefficients

61-Pm-156



81

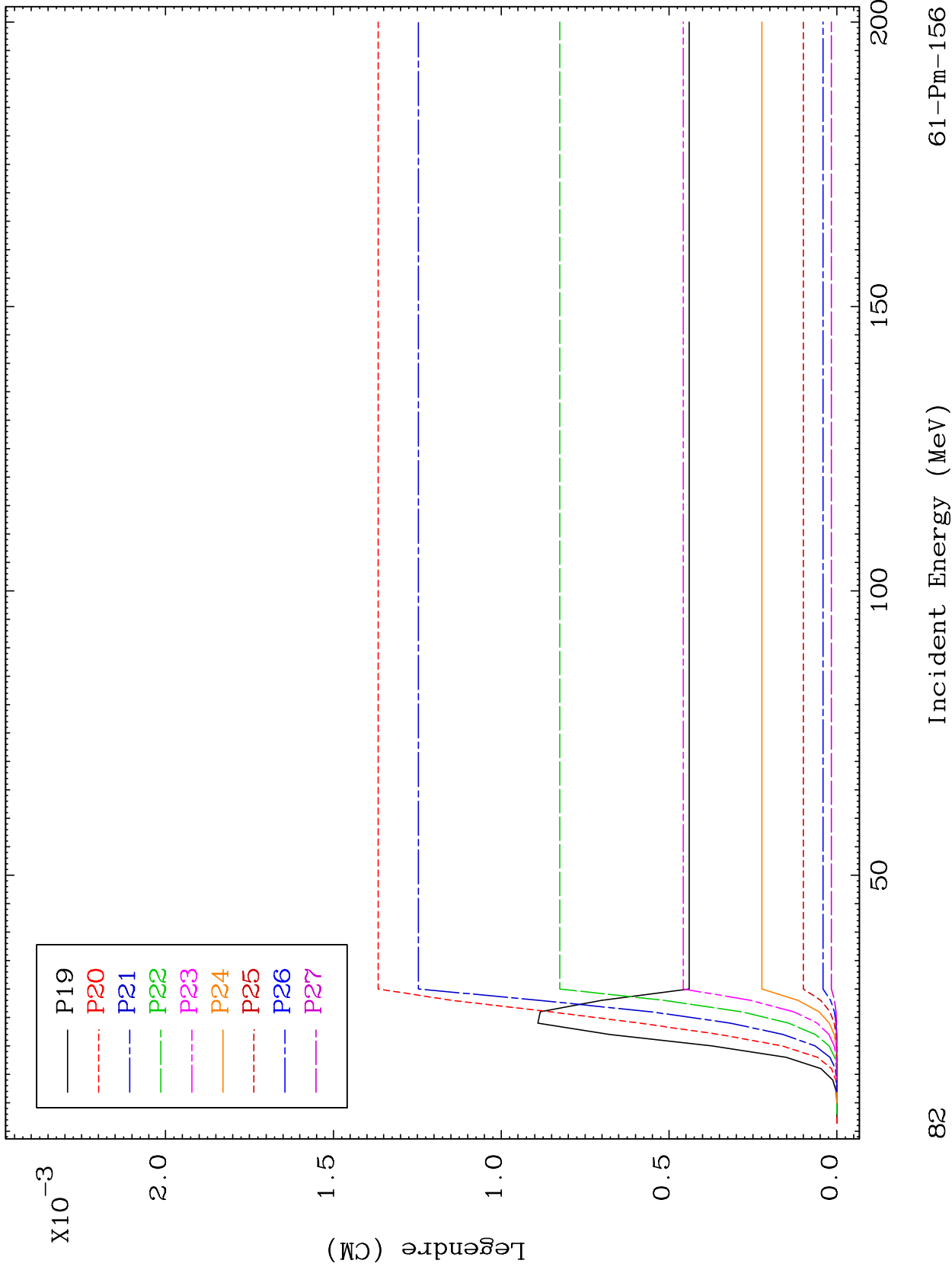
Incident Energy (MeV)

61-Pm-156

MAT 6176

663.6 keV (n,n') Level
Legendre Coefficients

61-Pm-156

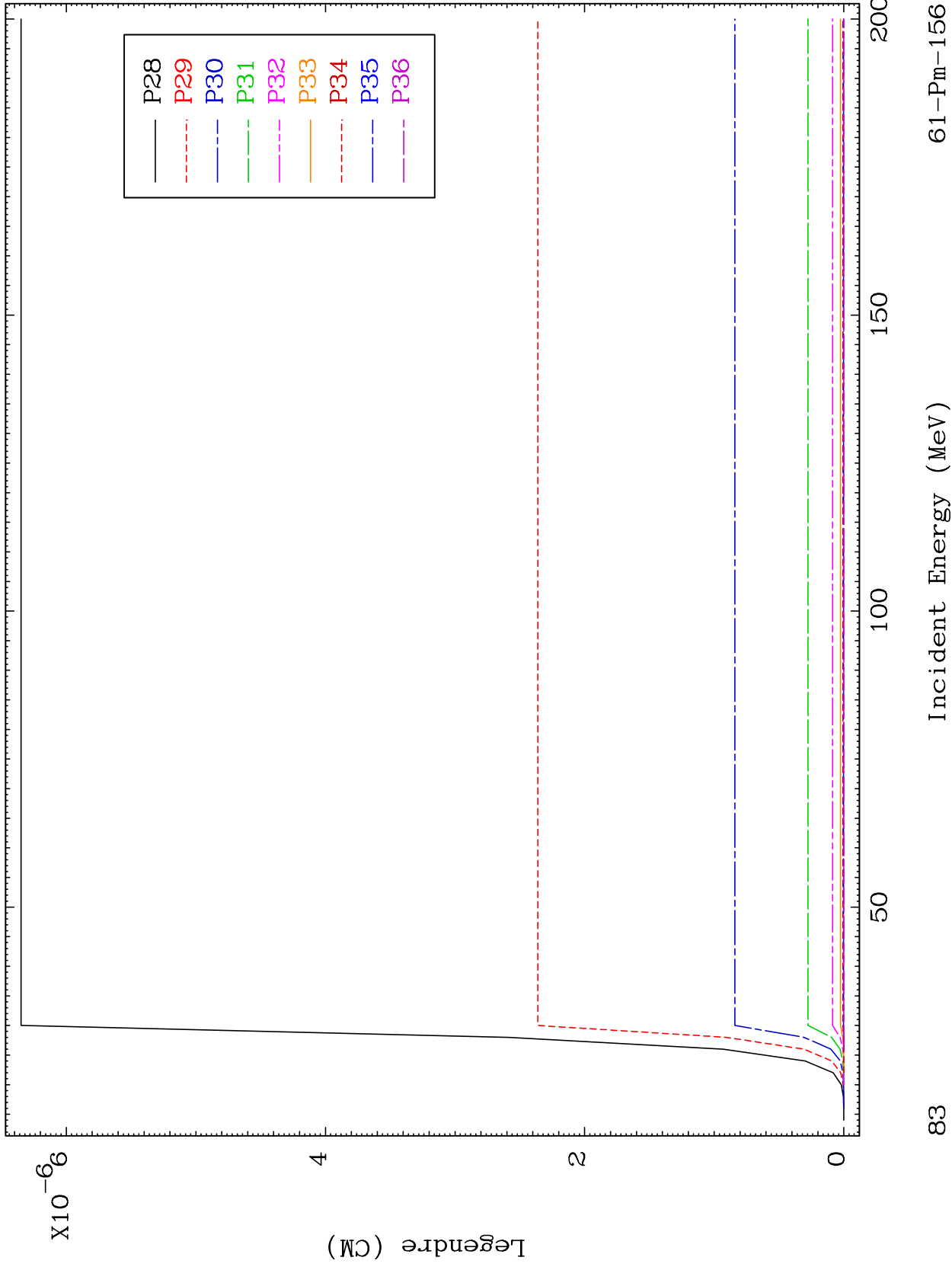


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MAT 6176

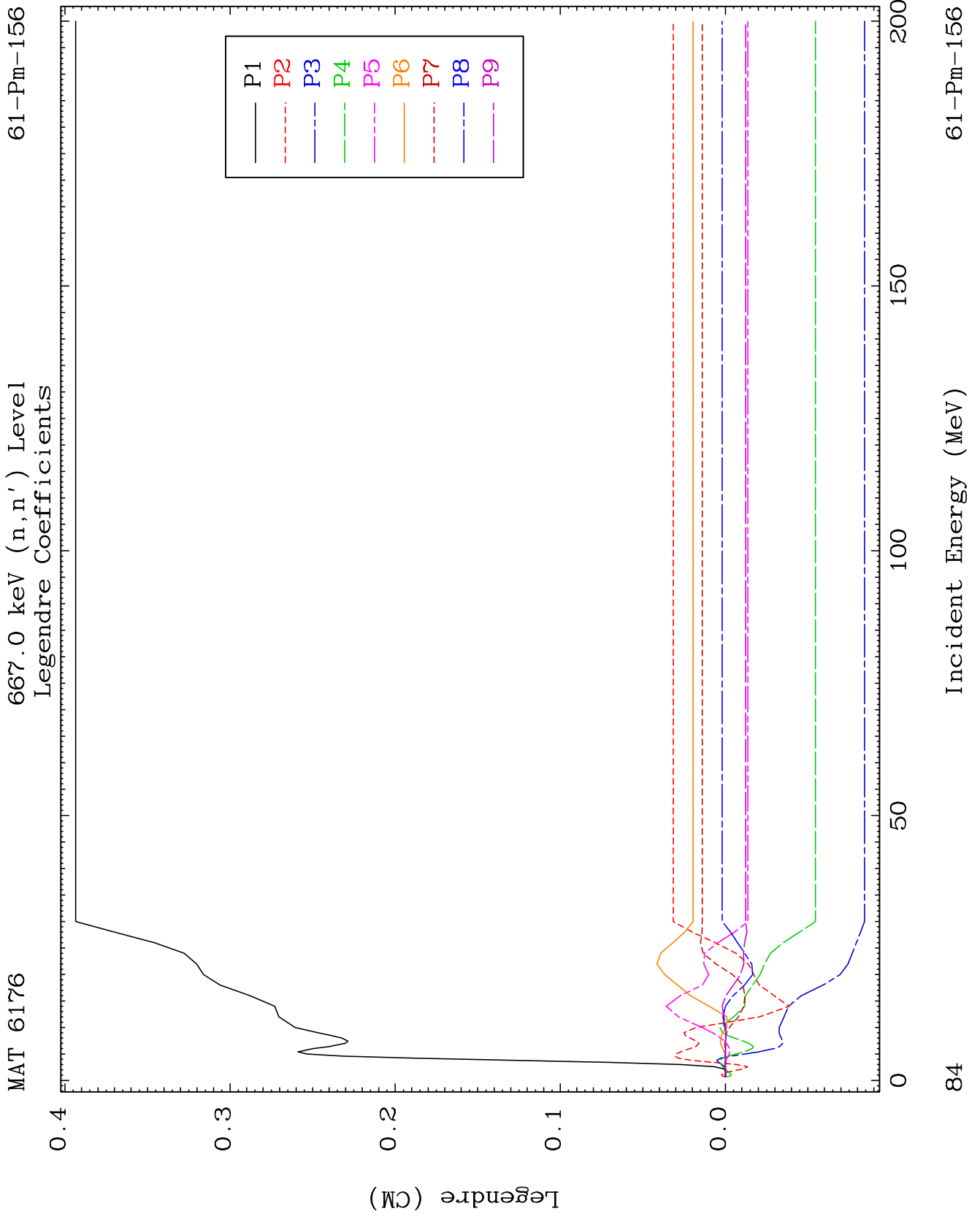
663.6 keV (n,n') Level
Legendre Coefficients

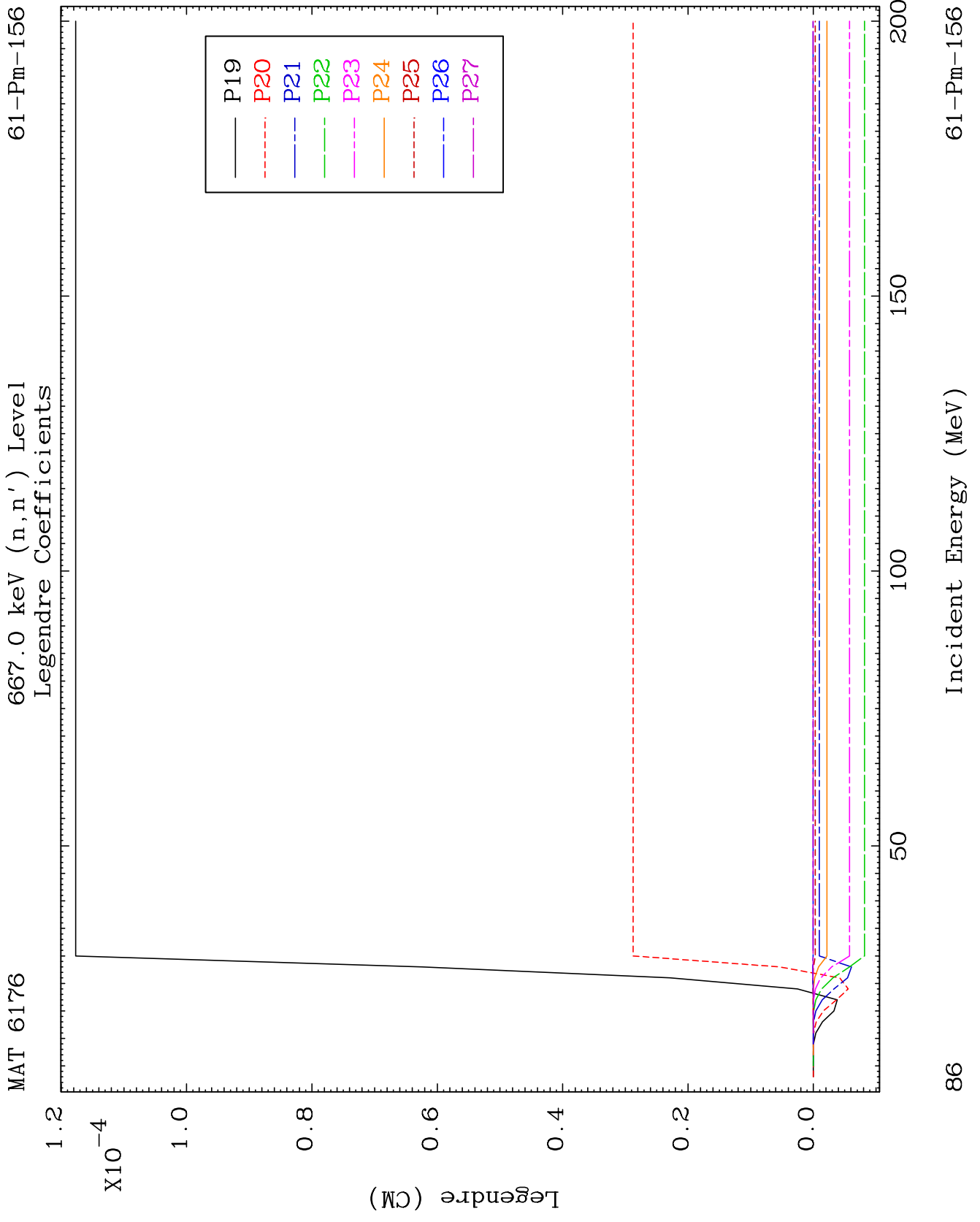
61-Pm-156

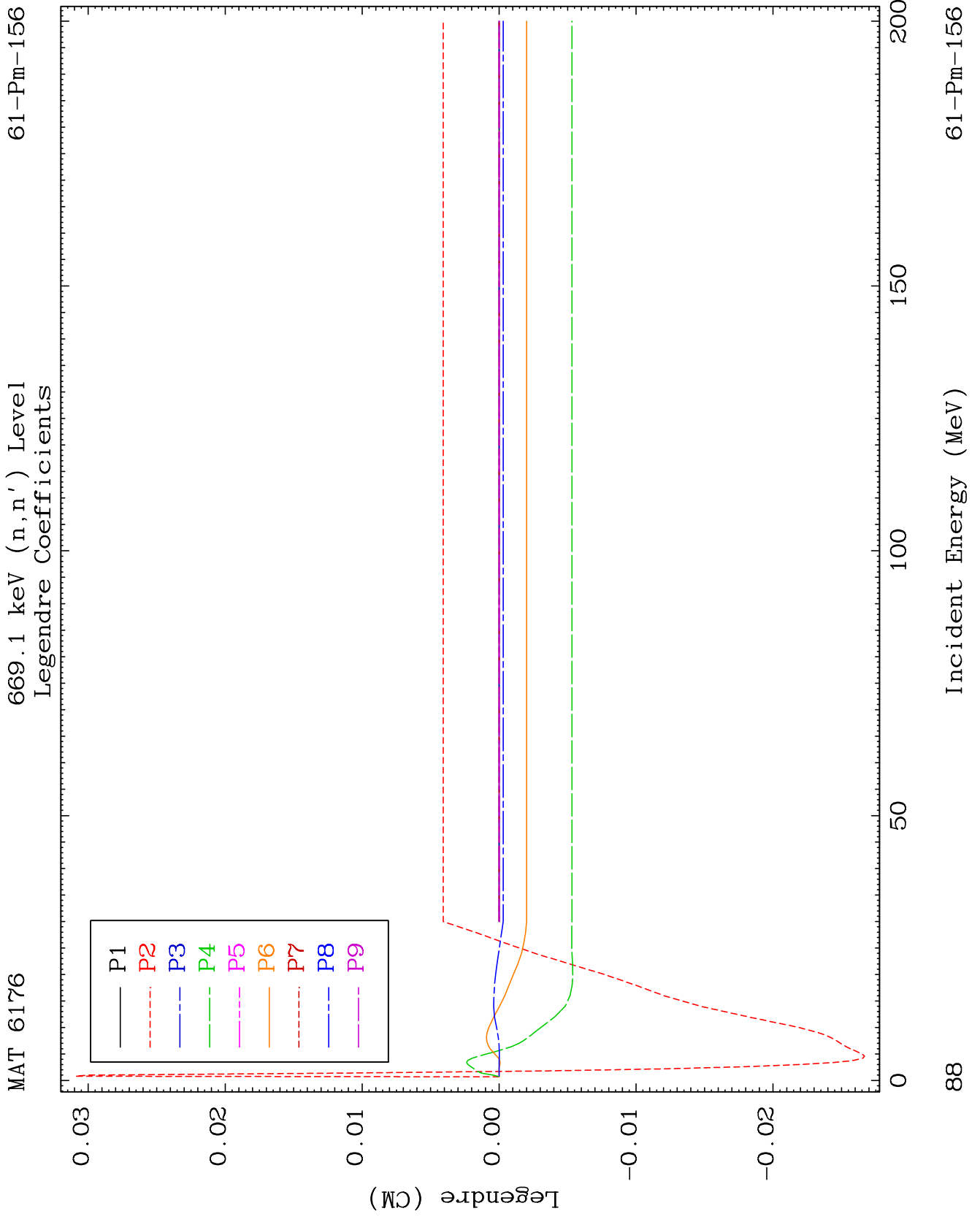


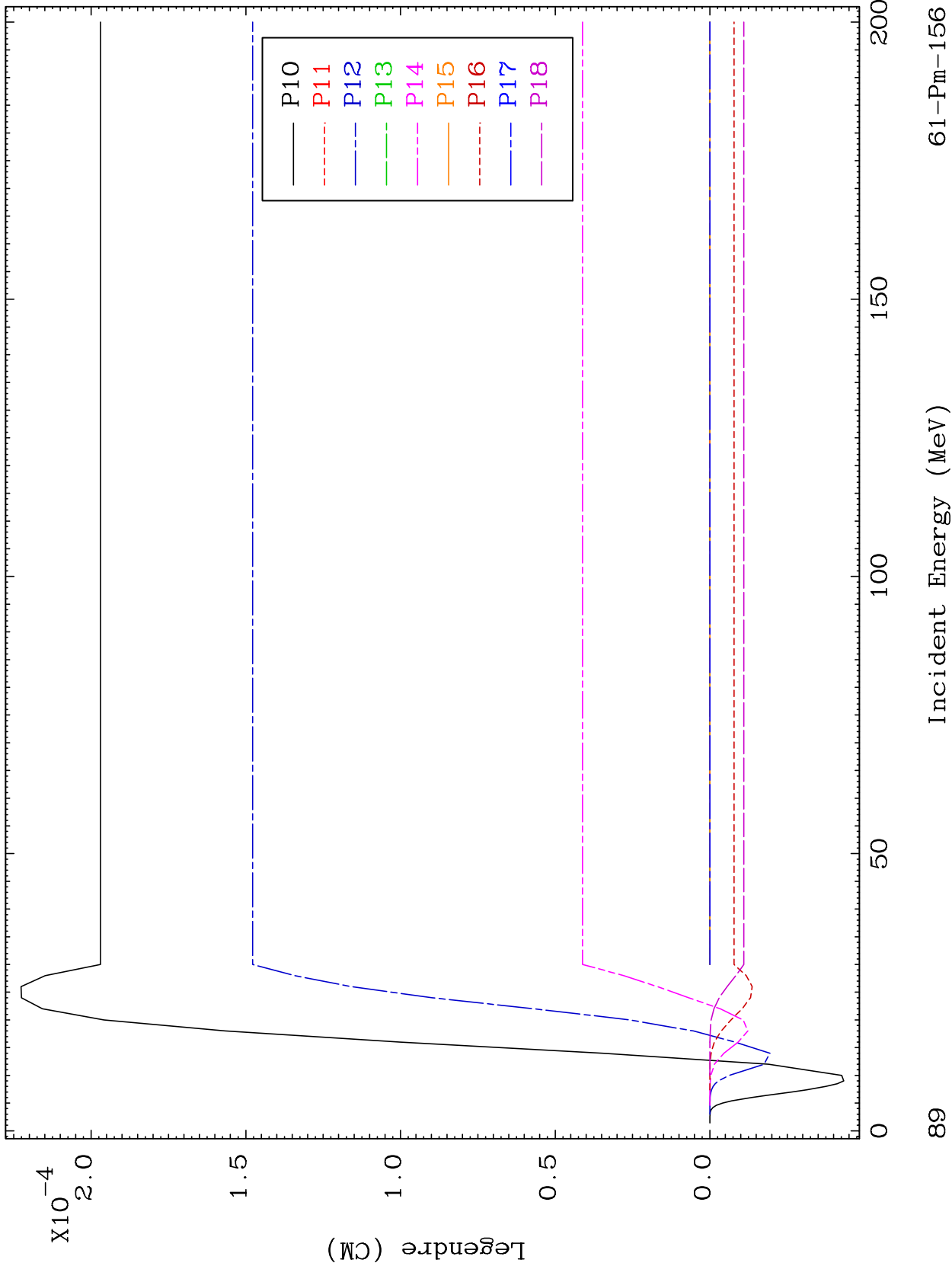
83

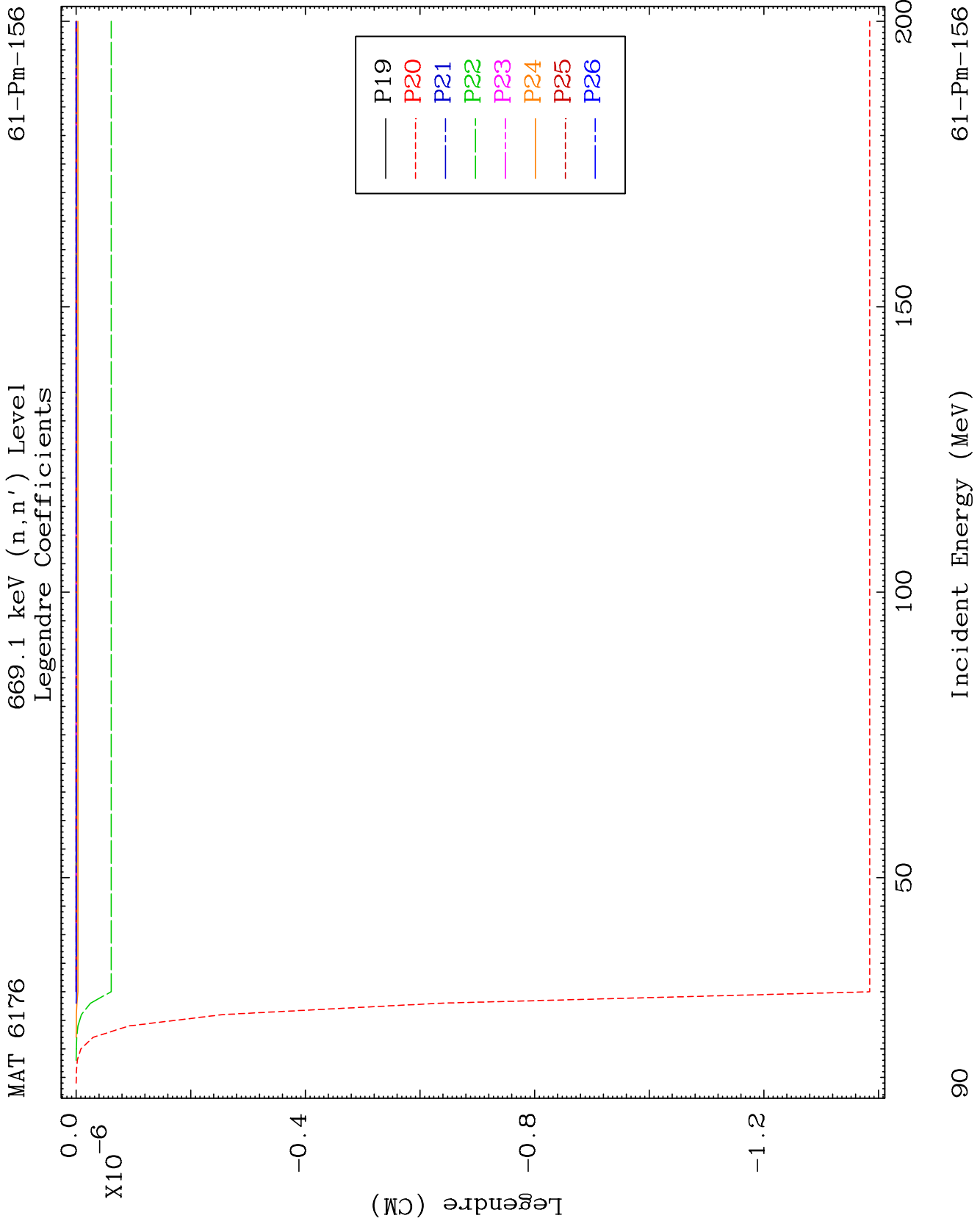
61-Pm-156

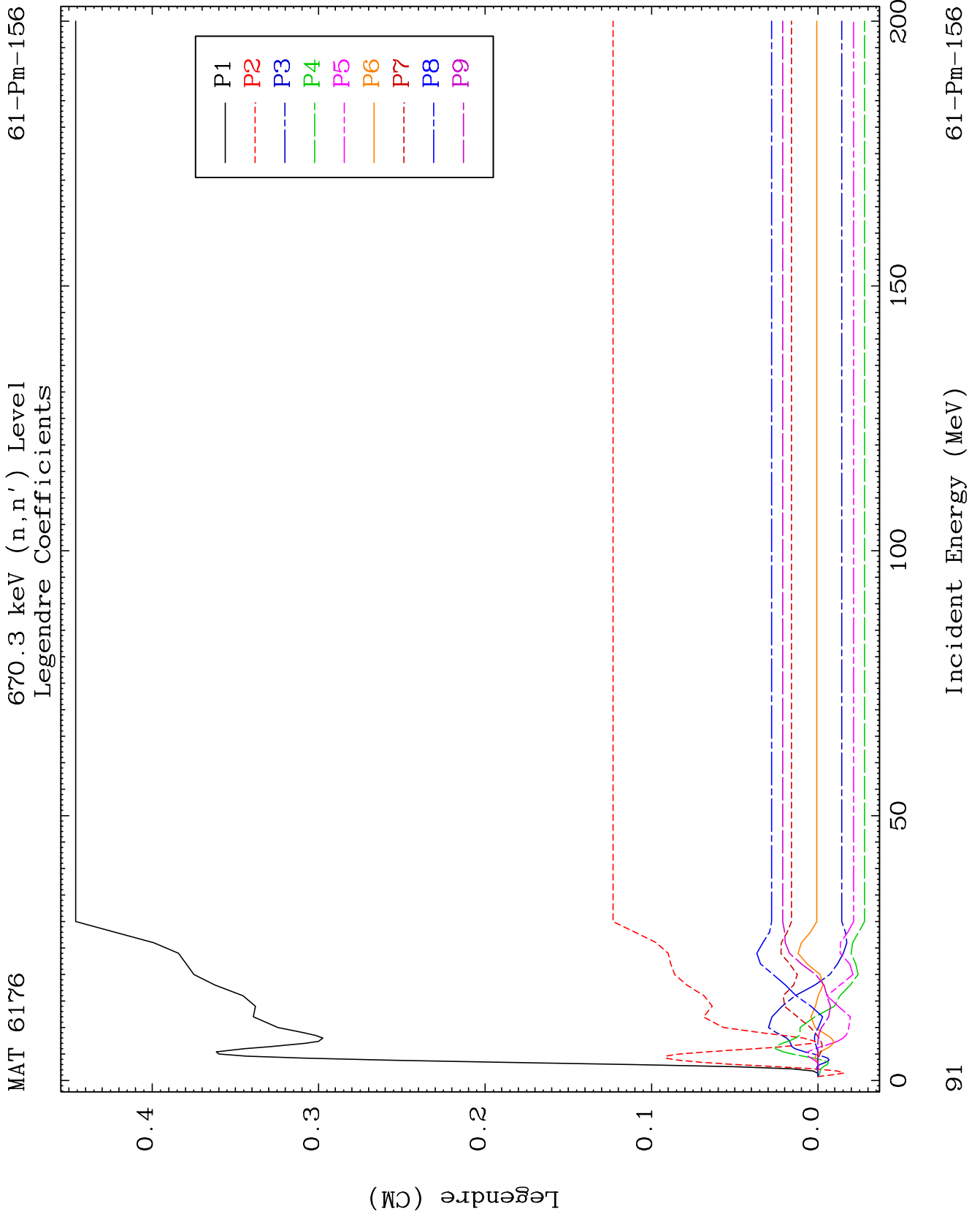








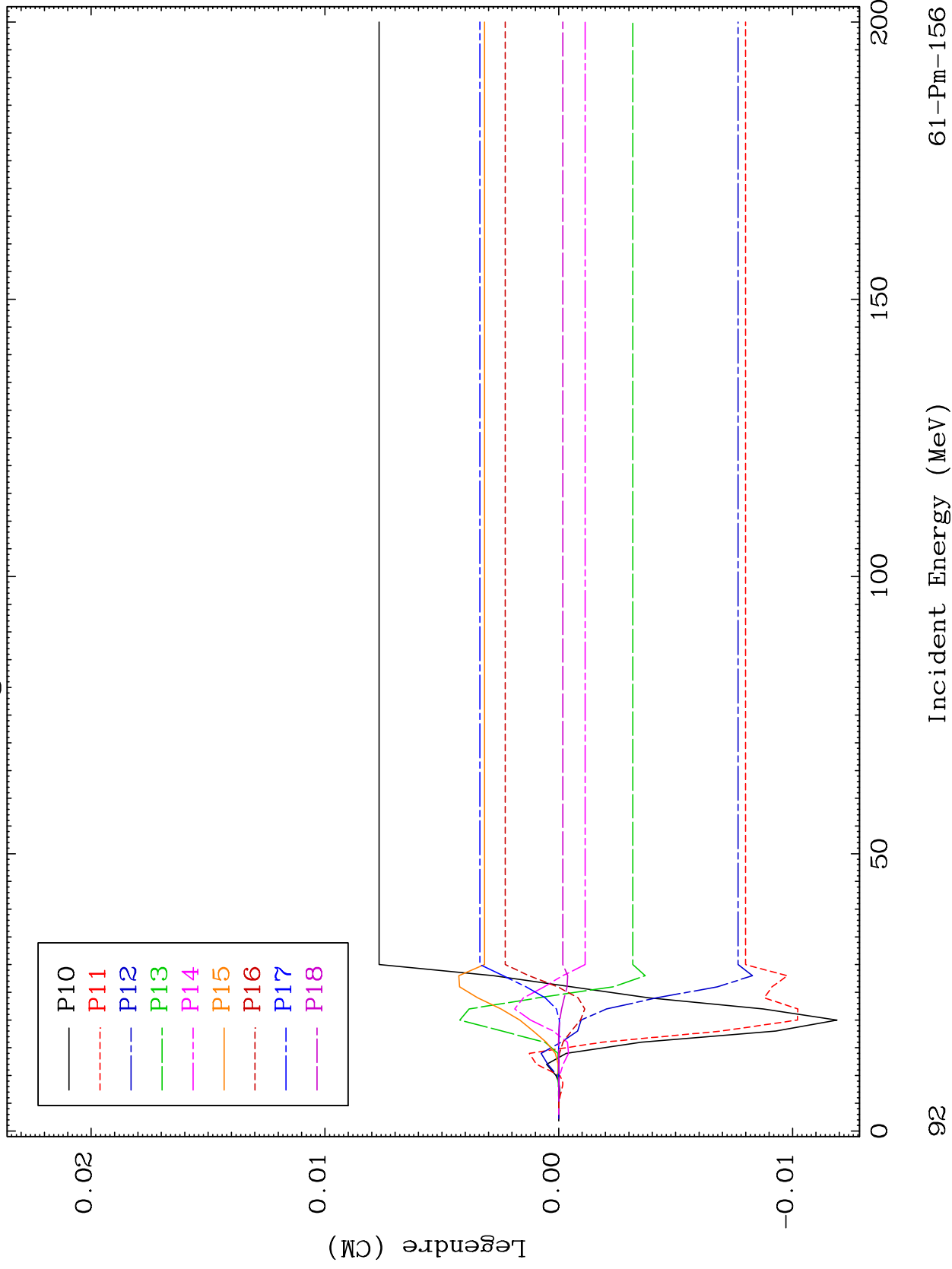




MAT 6176

670.3 keV (n,n') Level
Legendre Coefficients

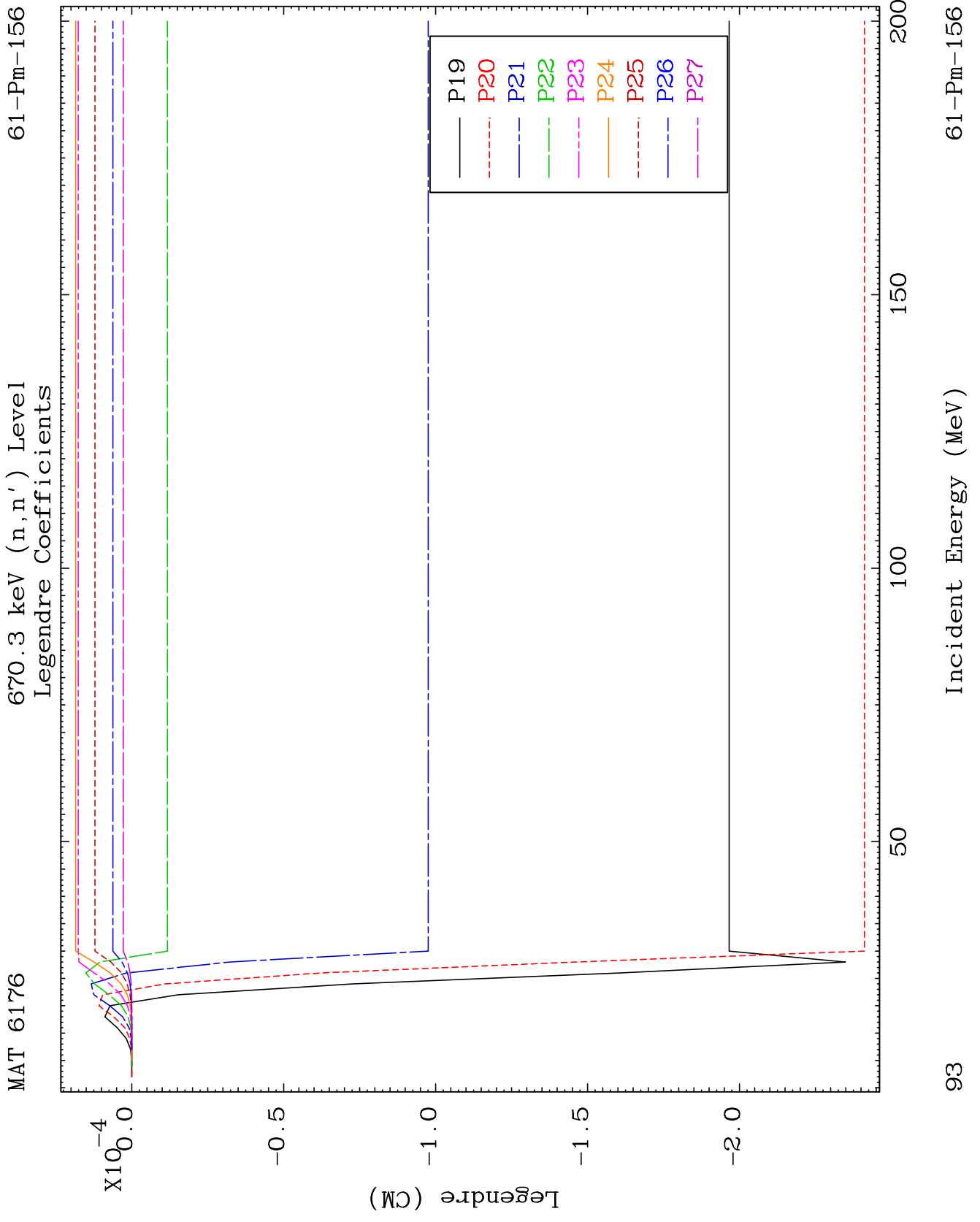
61-Pm-156



61-Pm-156

Incident Energy (MeV)

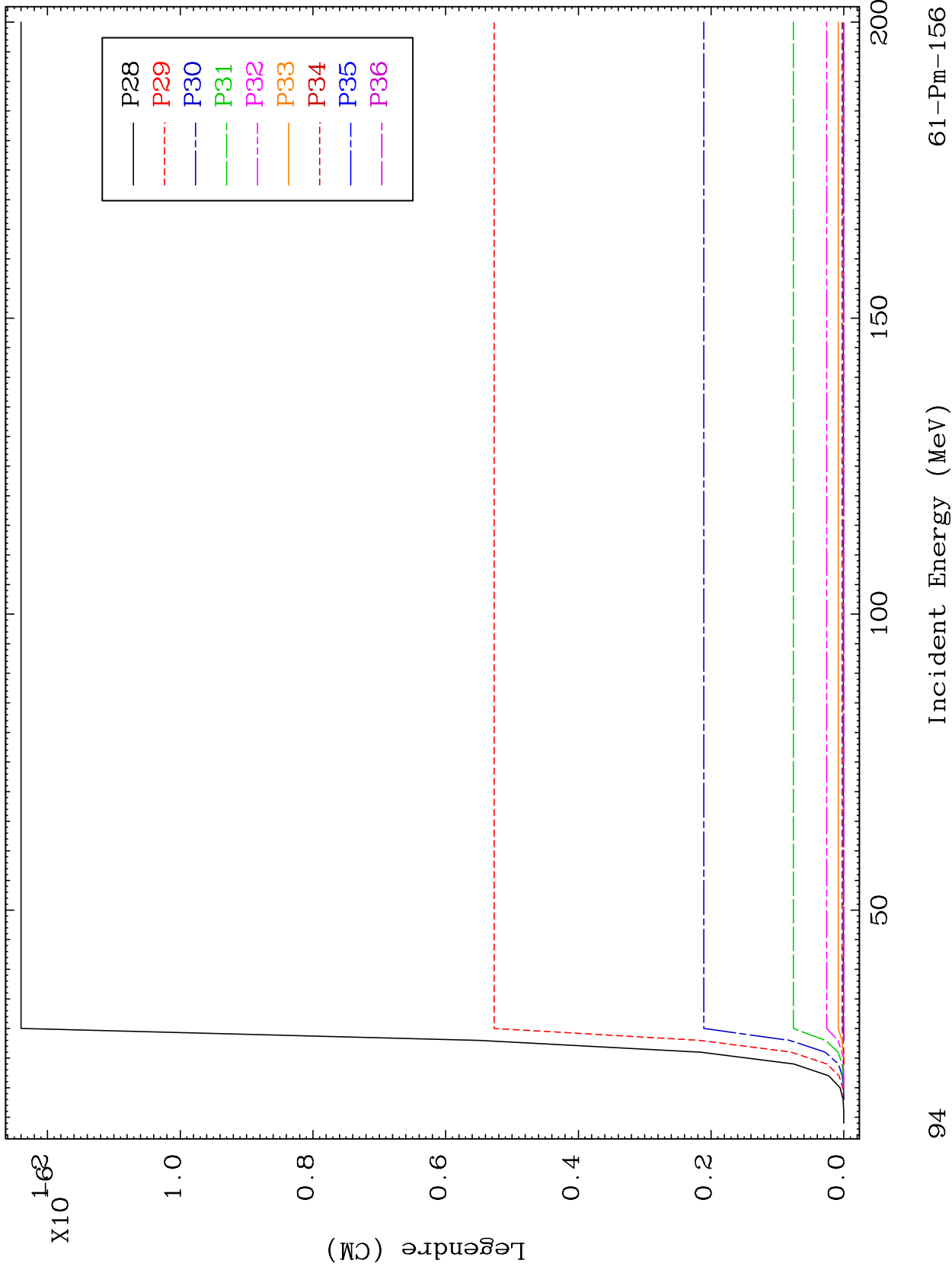
92



MAT 6176

670.3 keV (n,n') Level
Legendre Coefficients

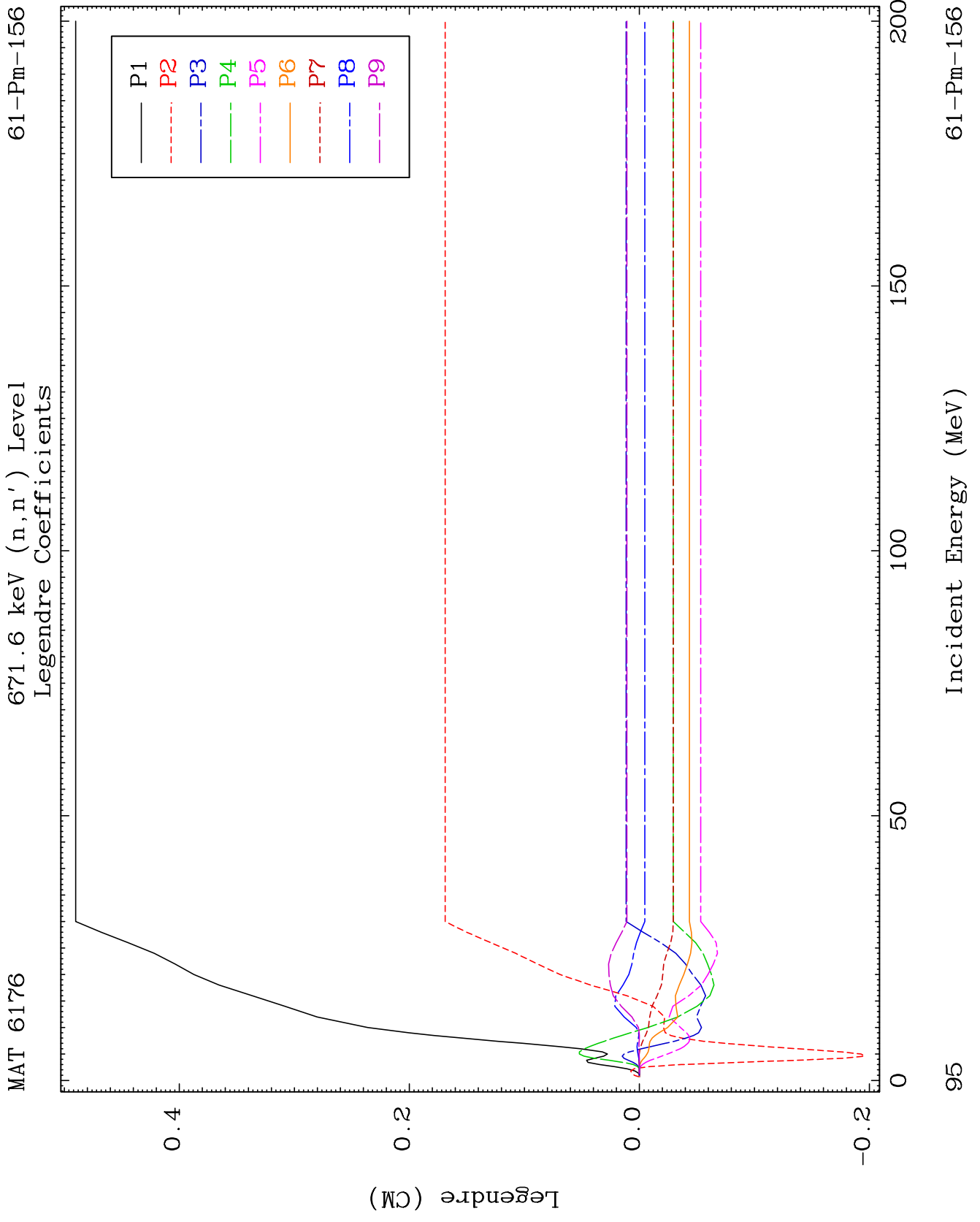
61-Pm-156

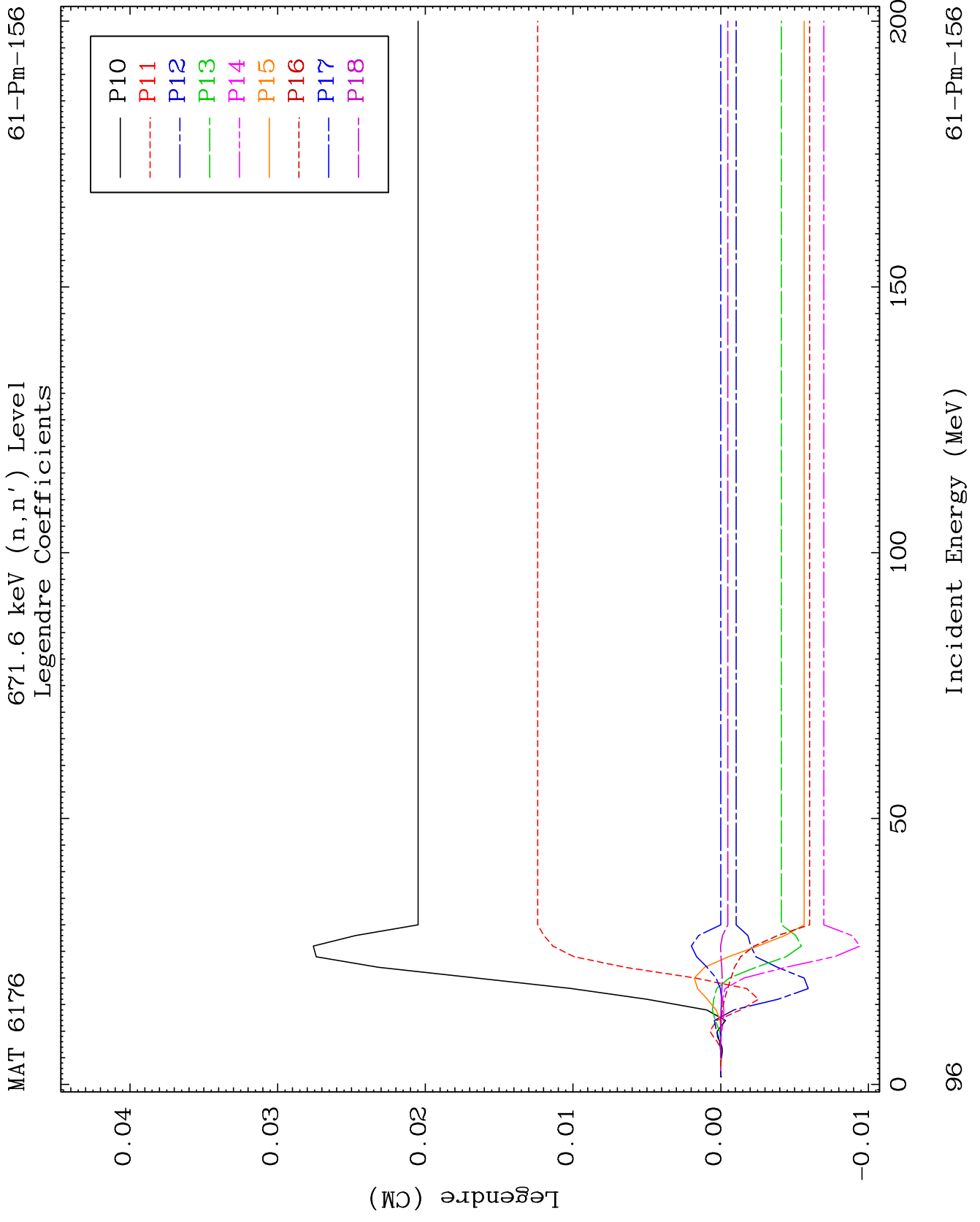


94

Incident Energy (MeV)

61-Pm-156

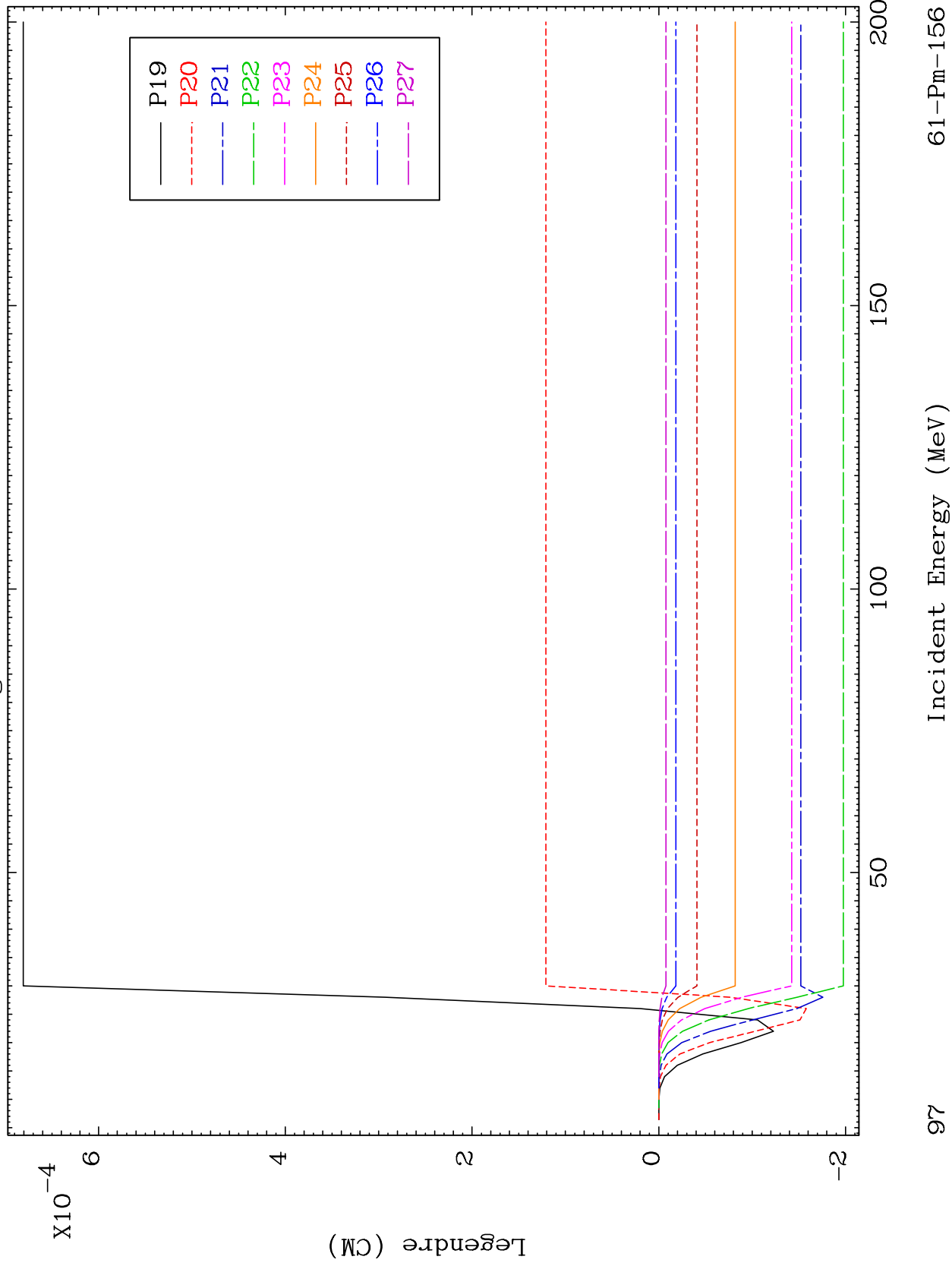




MAT 6176

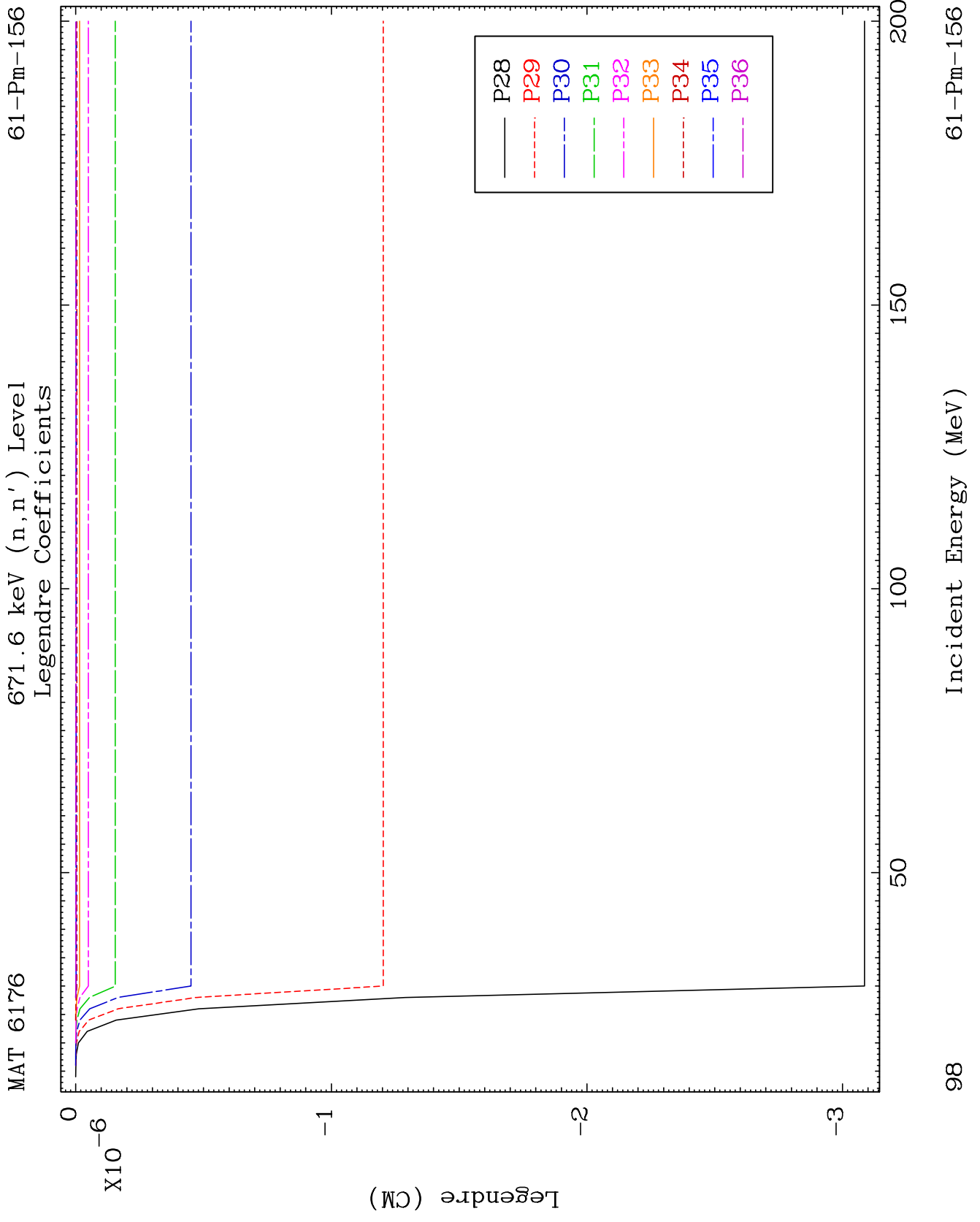
671.6 keV (n,n') Level
Legendre Coefficients

61-Pm-156



97

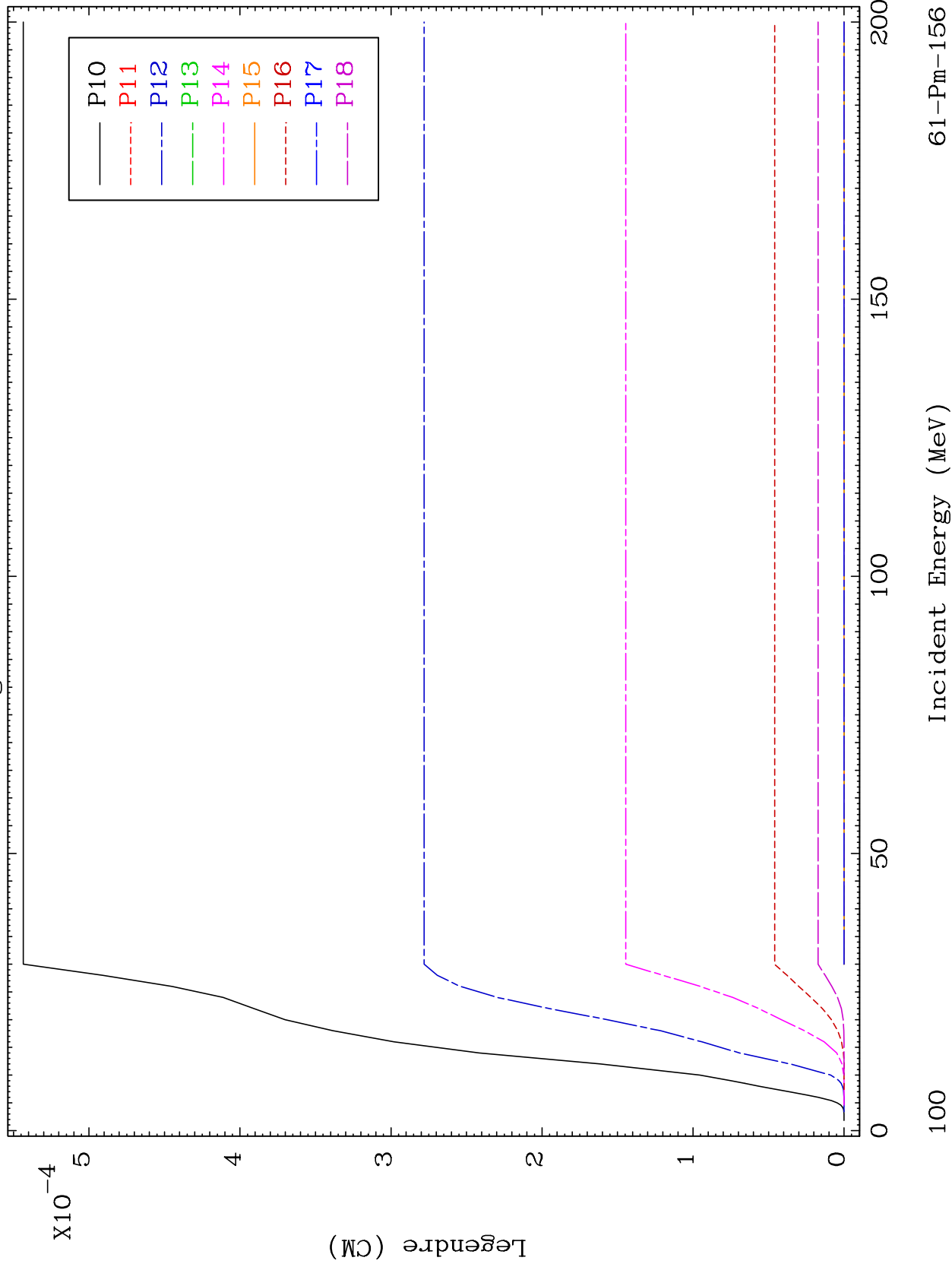
61-Pm-156



MAT 6176

674.4 keV (n,n') Level
Legendre Coefficients

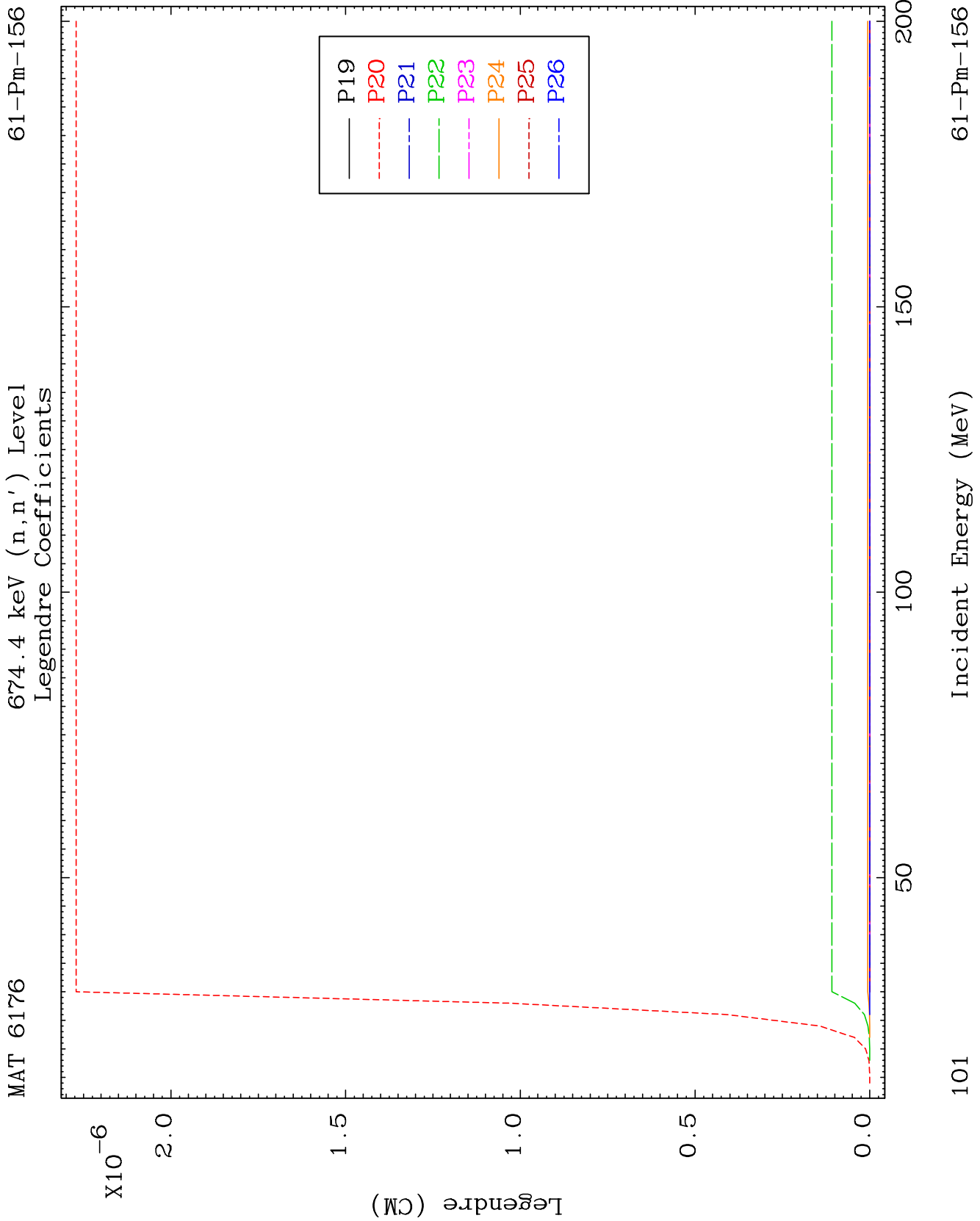
61-Pm-156



61-Pm-156

Incident Energy (MeV)

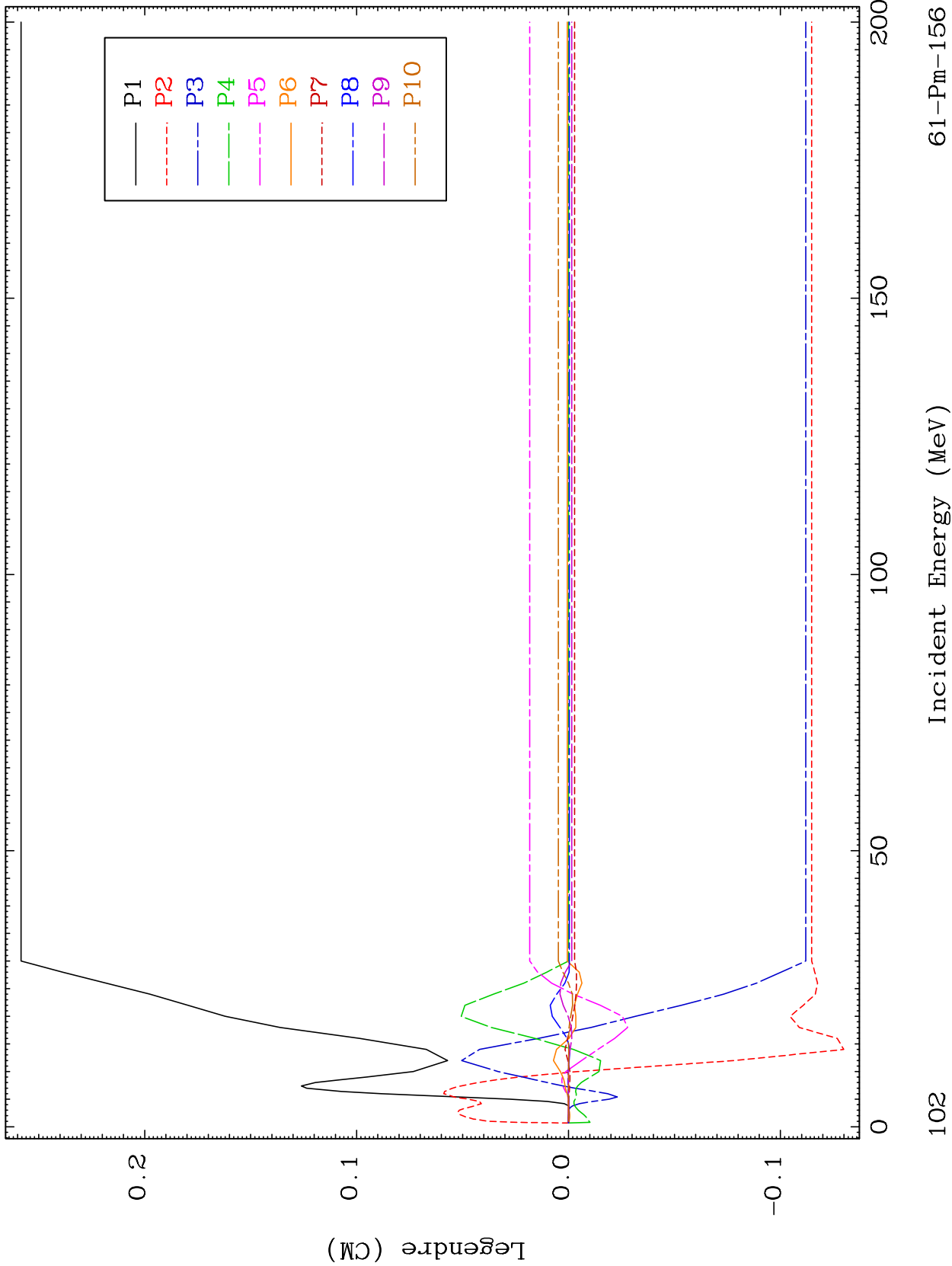
100



MAT 6176

676.3 keV (n,n') Level
Legendre Coefficients

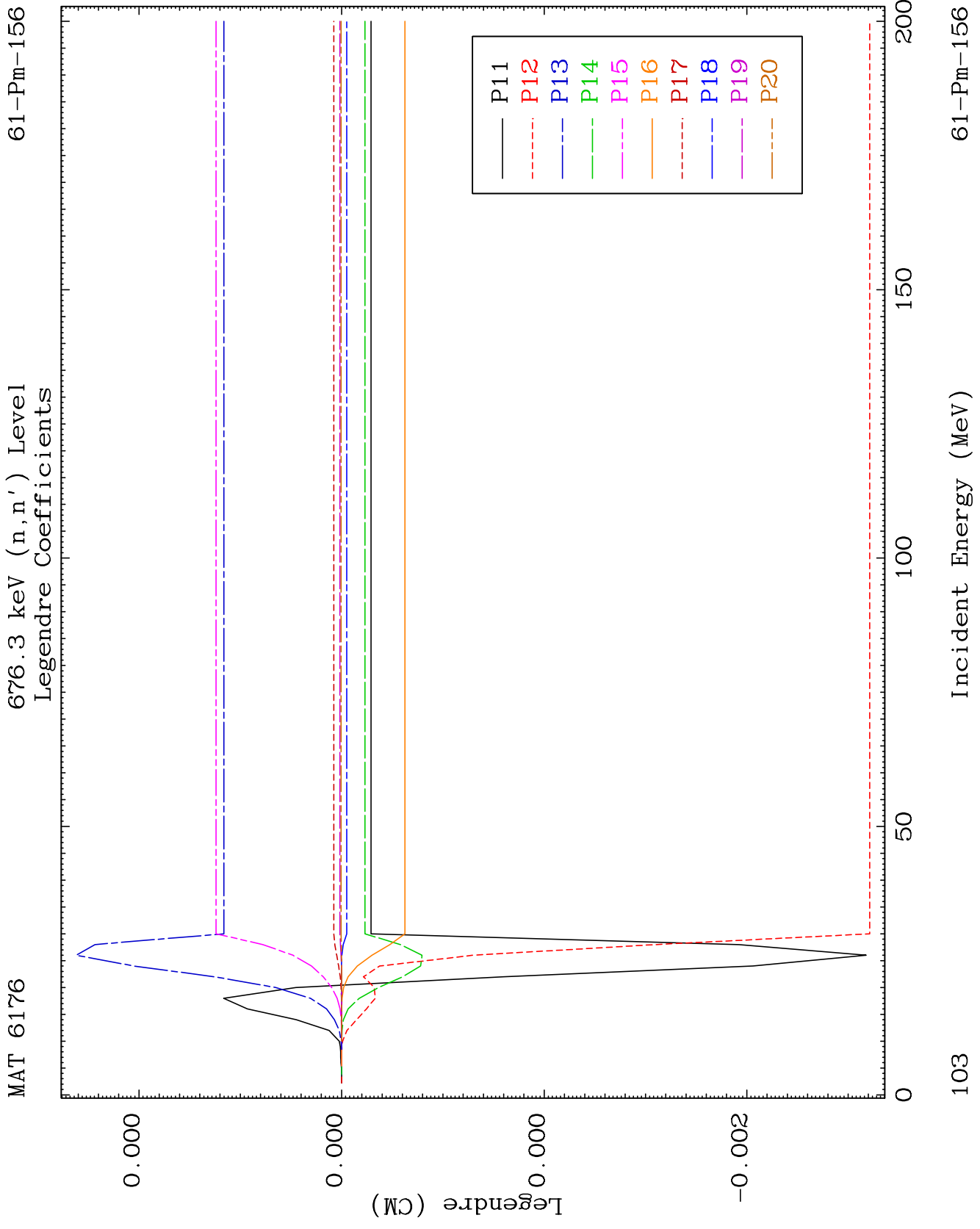
61-Pm-156



61-Pm-156

Incident Energy (MeV)

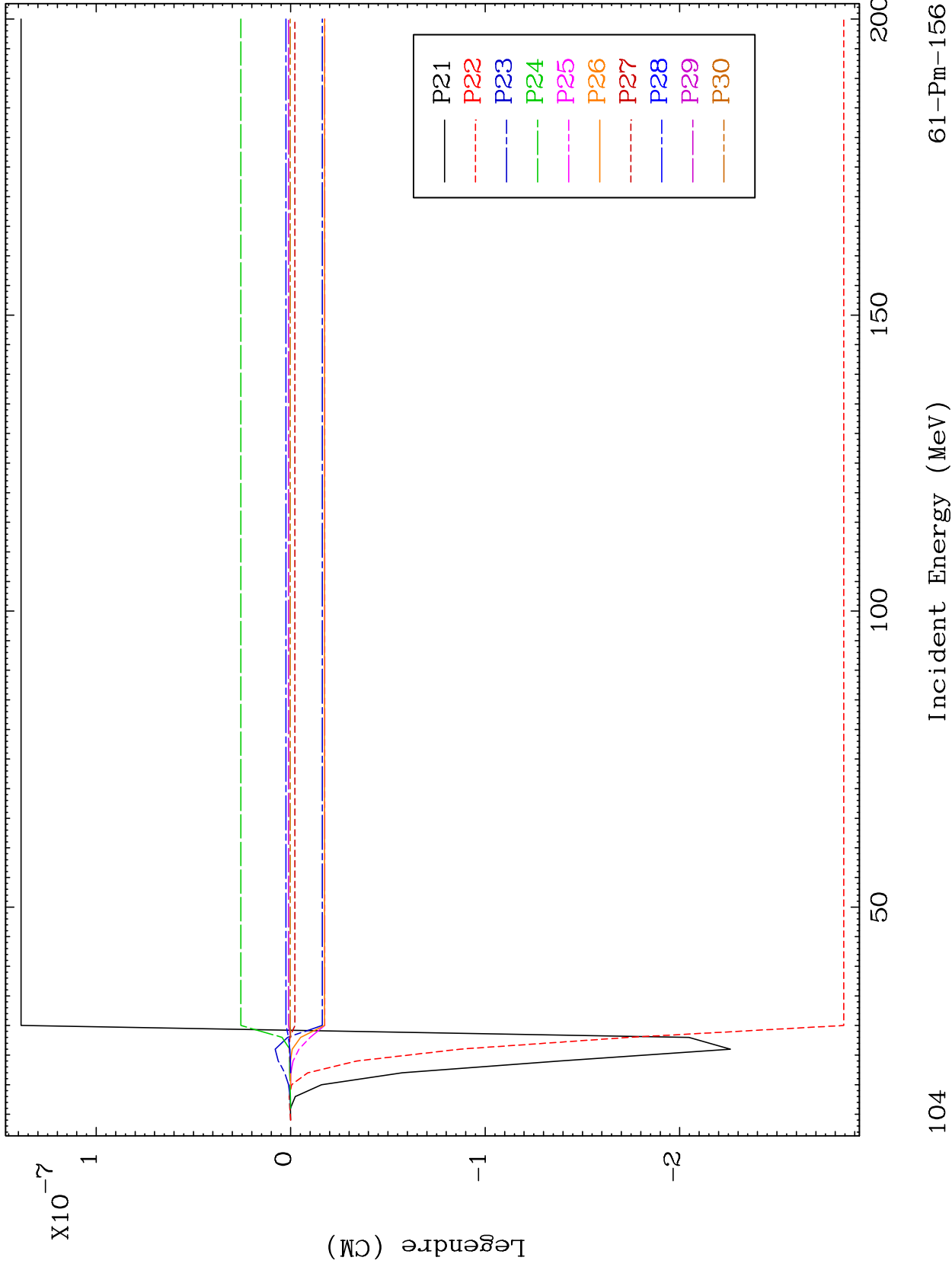
102



MAT 6176

676.3 keV (n,n') Level
Legendre Coefficients

61-Pm-156



104

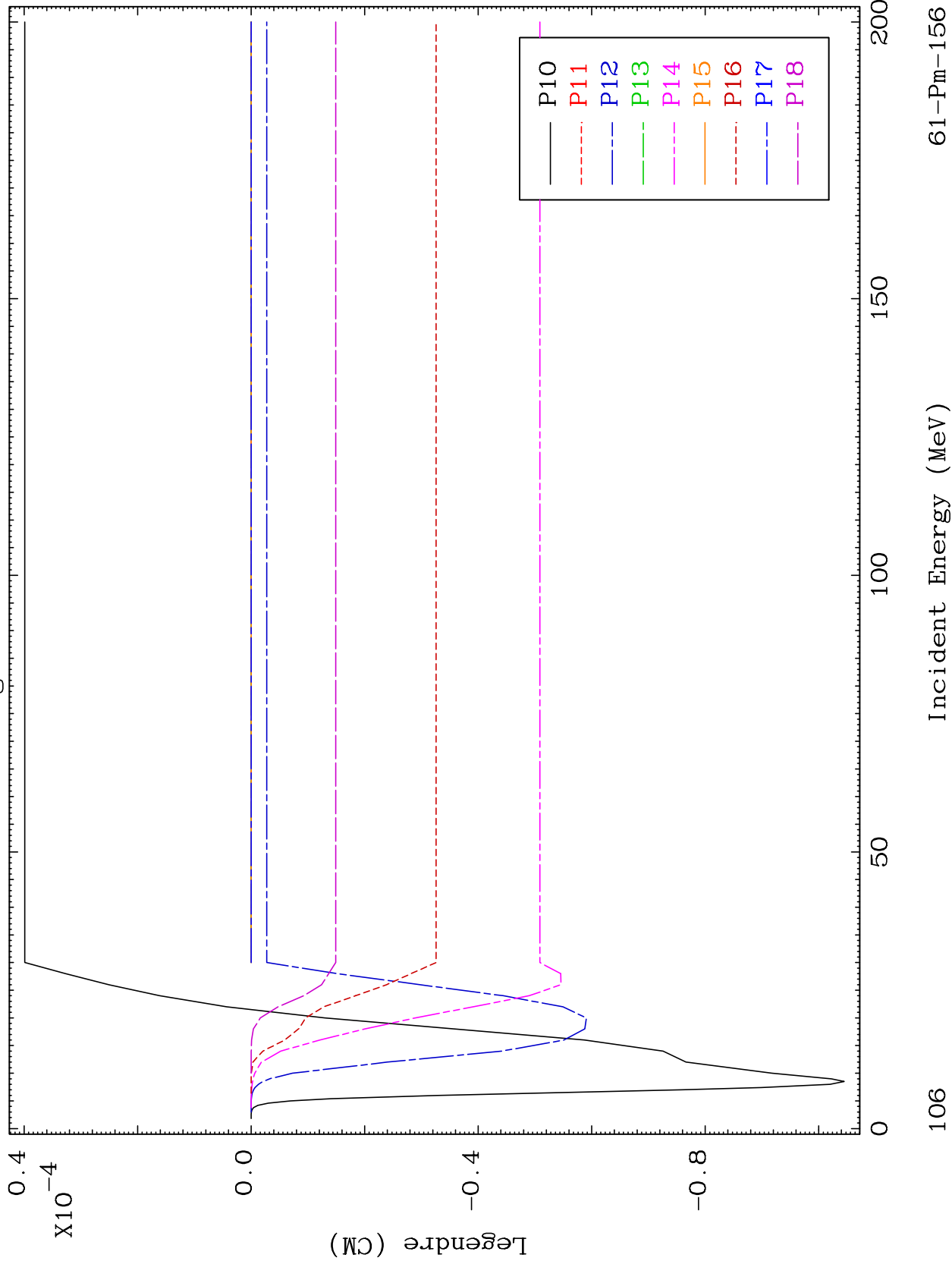
Incident Energy (MeV)

61-Pm-156

MAT 6176

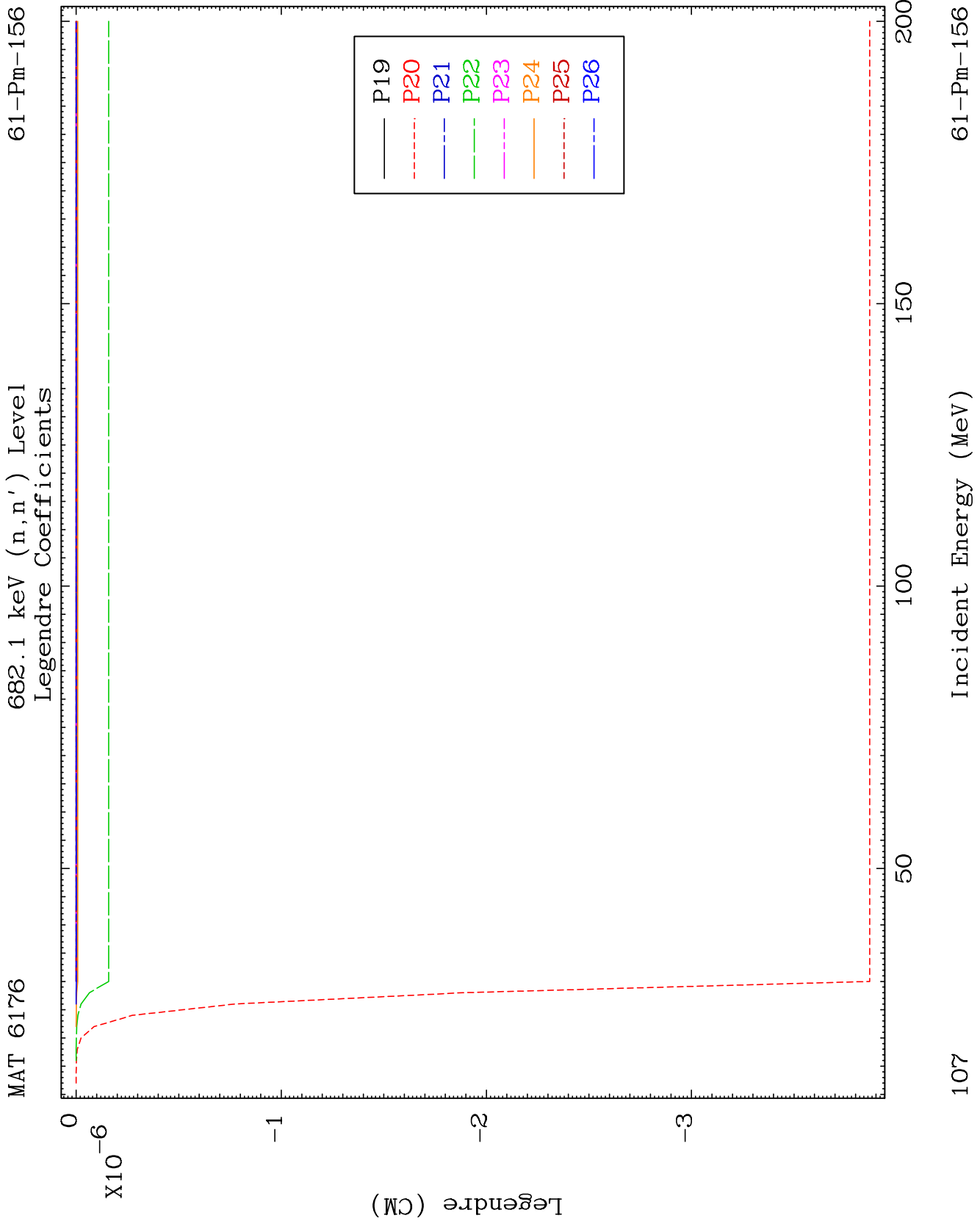
682.1 keV (n,n') Level
Legendre Coefficients

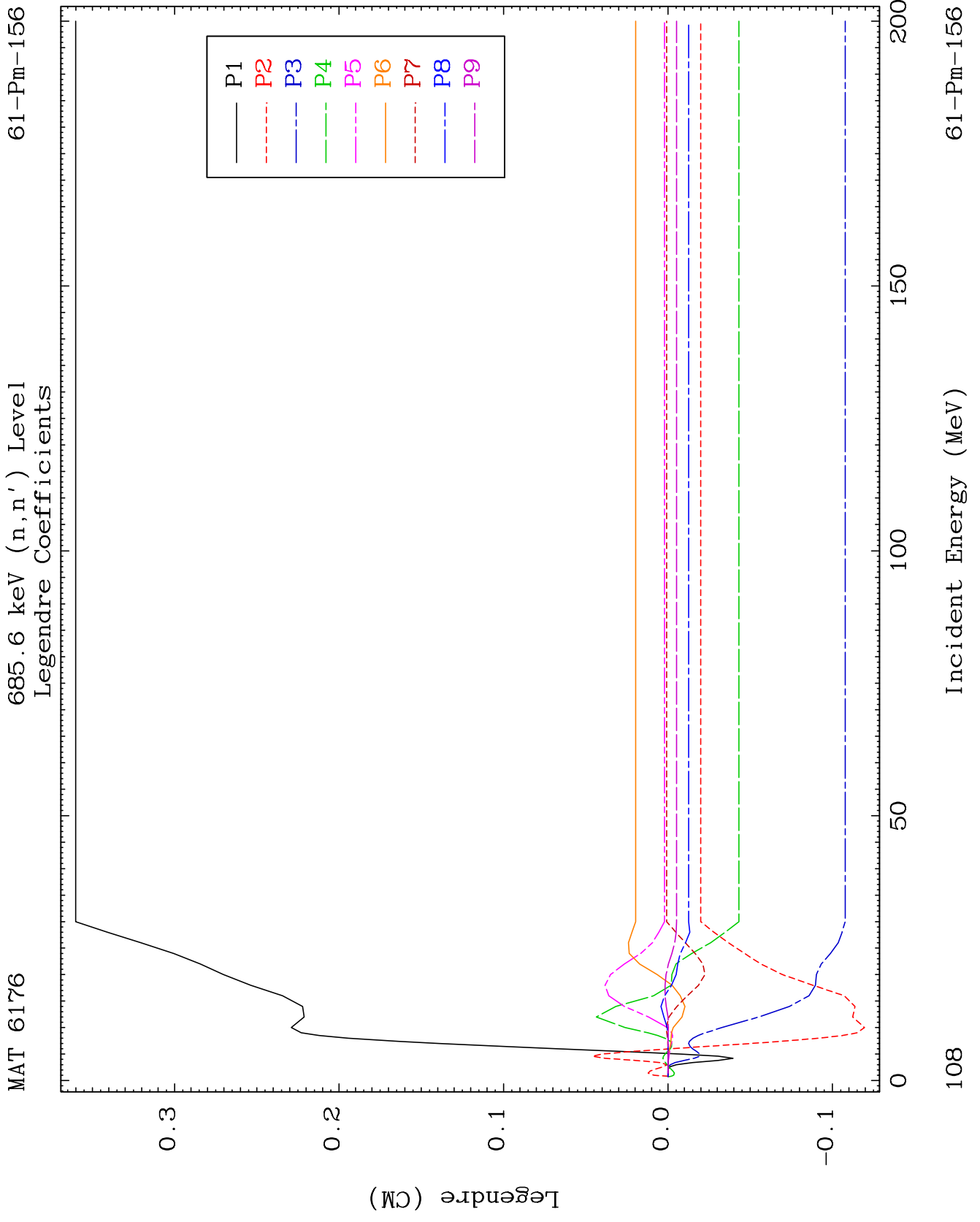
61-Pm-156

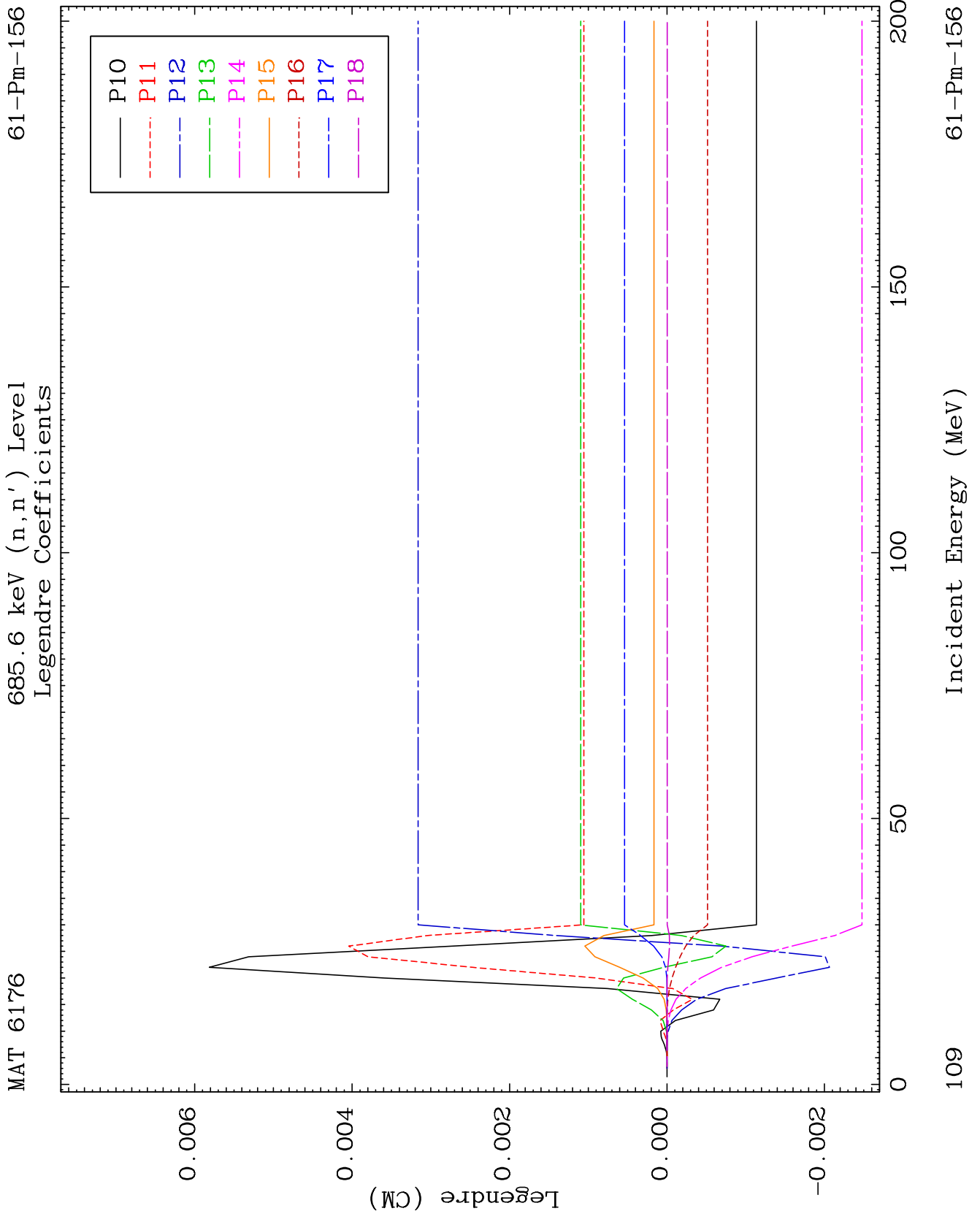


106

61-Pm-156



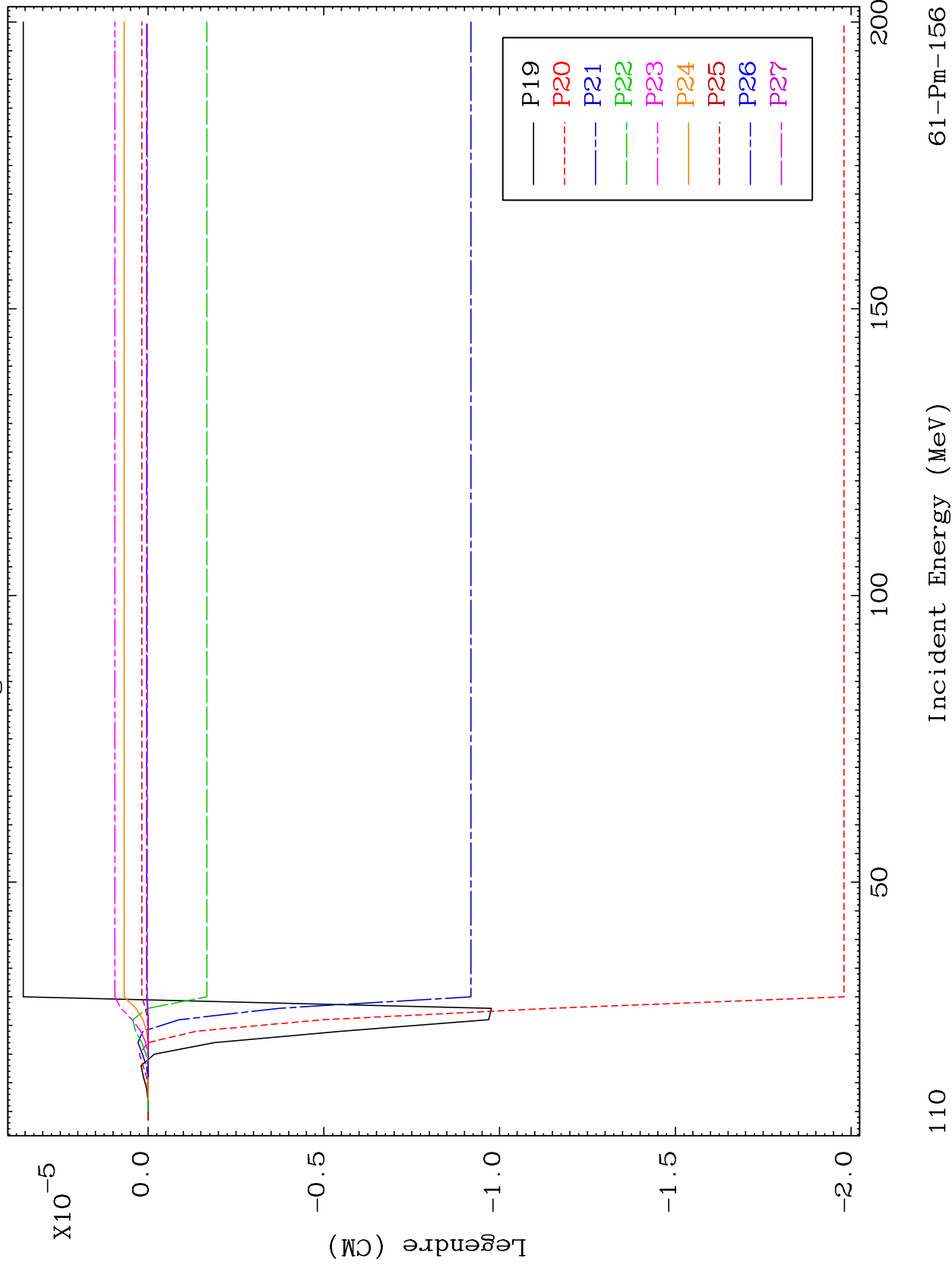




MAT 6176

685.6 keV (n,n') Level
Legendre Coefficients

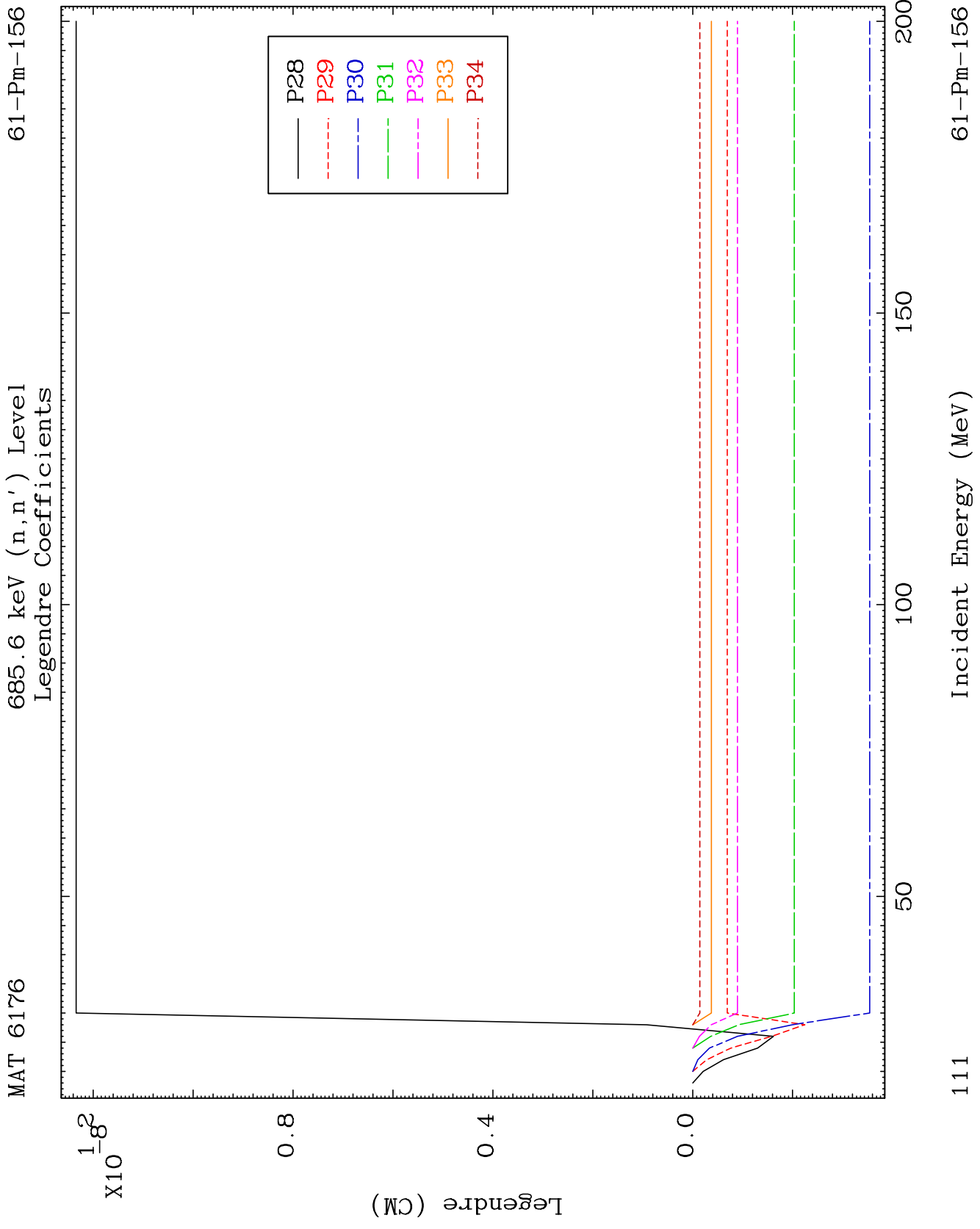
61-Pm-156



110

Incident Energy (MeV)

61-Pm-156

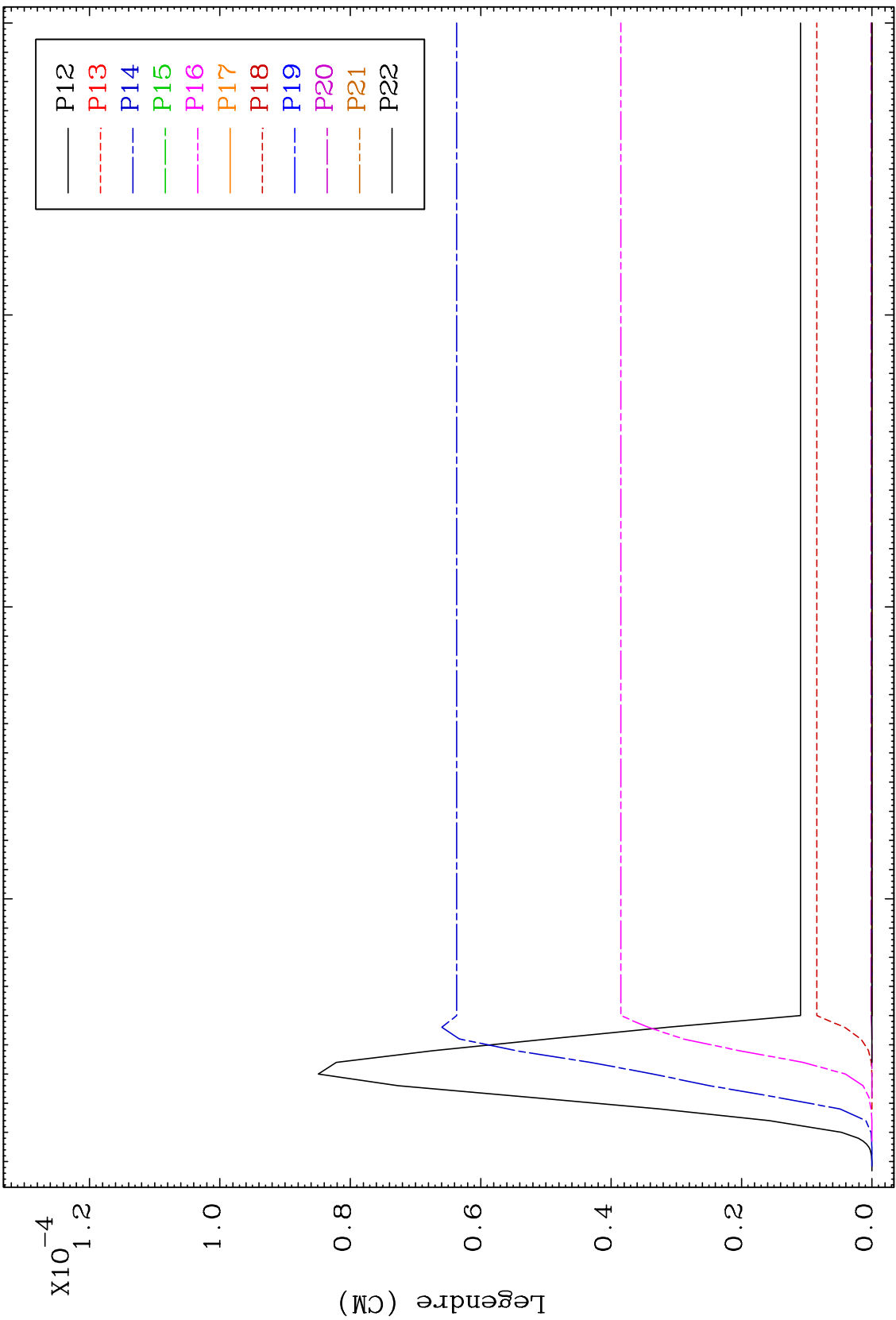


MAT 6176

688.1 keV (n,n') Level
Legendre Coefficients

61-Pm-156

$\times 10^{-4}$
1.2
1.0
0.8
0.6
0.4
0.2
0.0



113

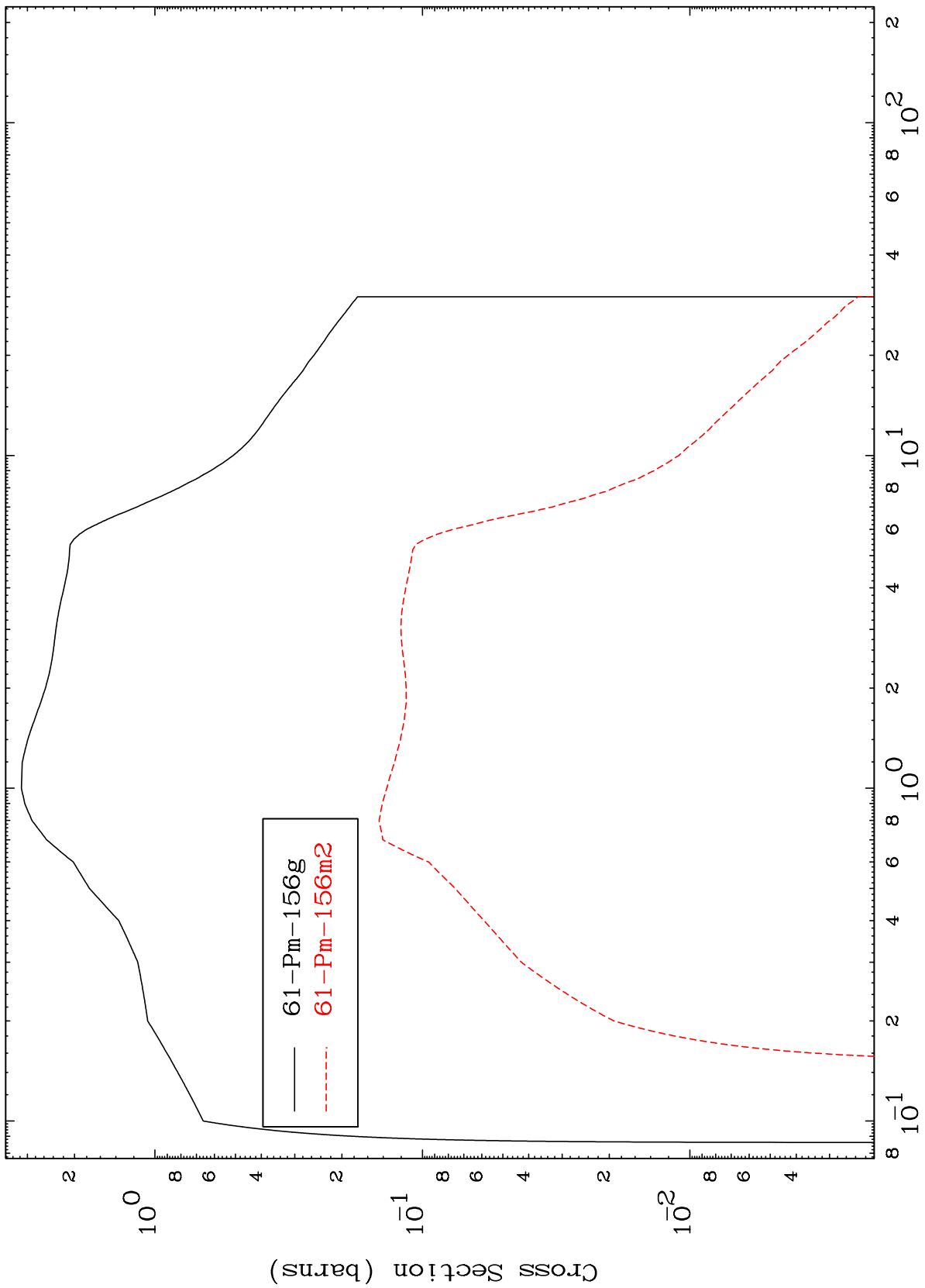
Incident Energy (MeV)

61-Pm-156

MAT 6176

61-Pm-156

Inelastic
Radionuclide Production Cross Section



Incident Energy (MeV)

61-Pm-156

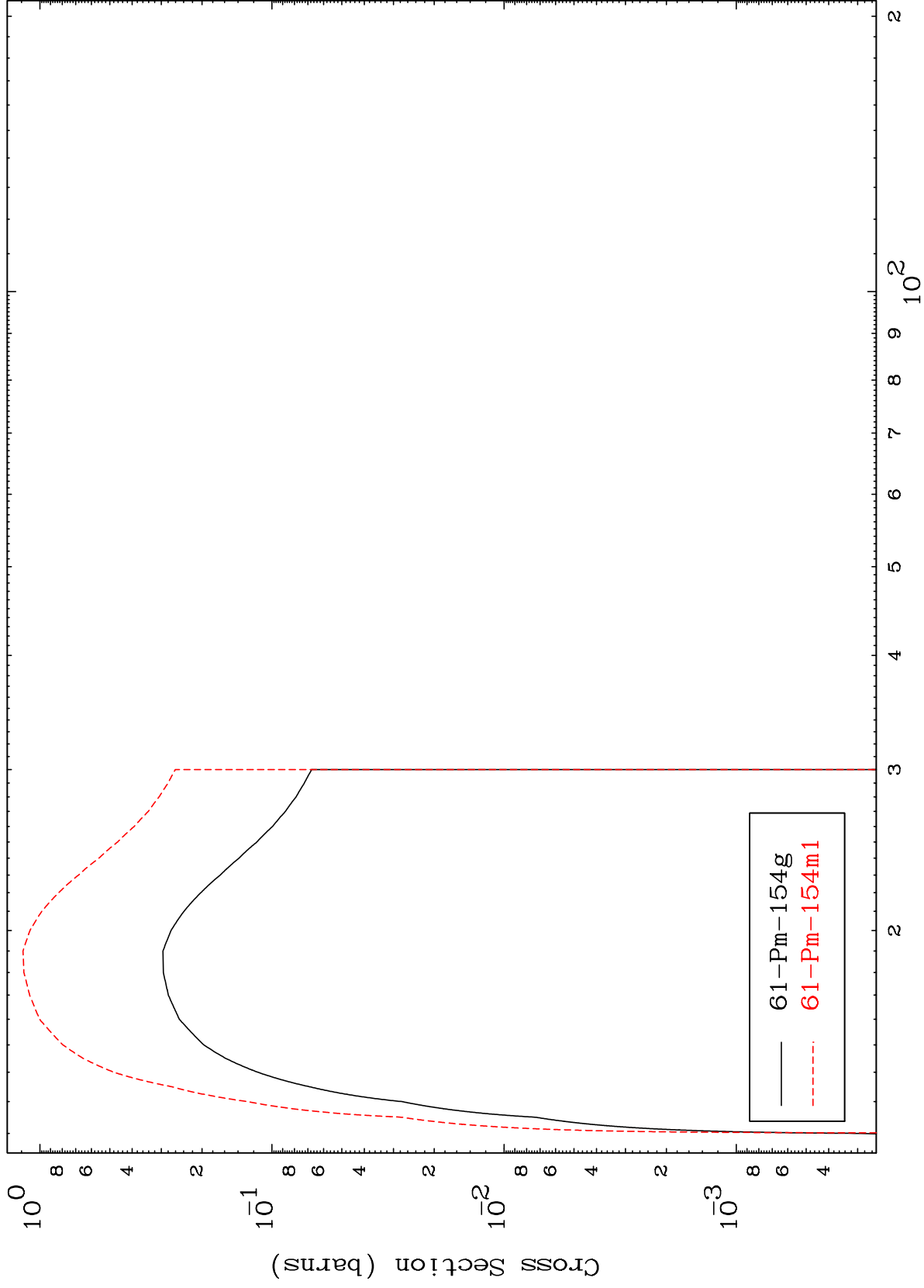
114

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(n,3n)

61-Pm-156

Radionuclide Production Cross Section



115

Incident Energy (MeV)

61-Pm-156