

Program EVALPLOT  
(Version 2015-2)

by

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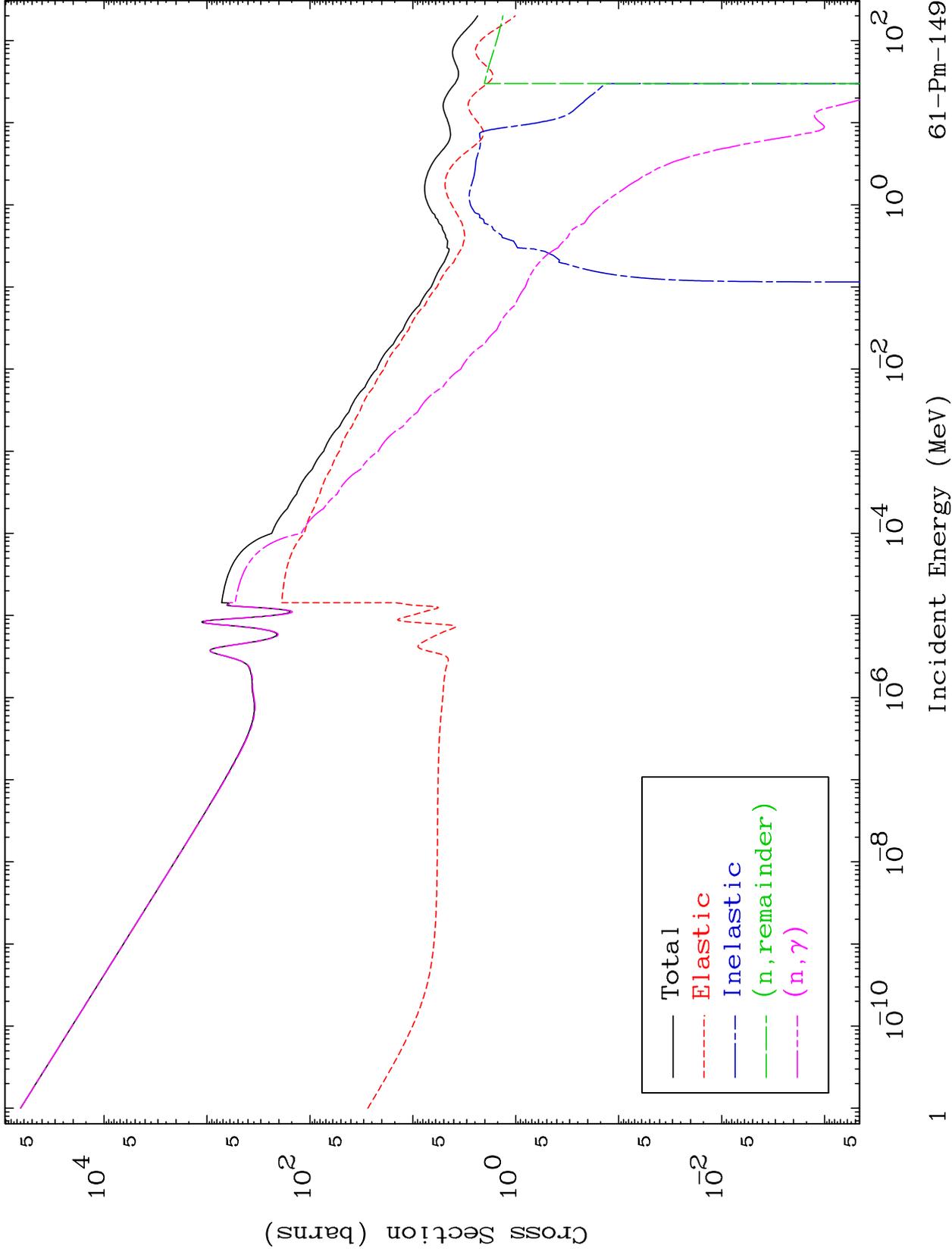
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6155

Major  
293 Kelvin Cross Sections

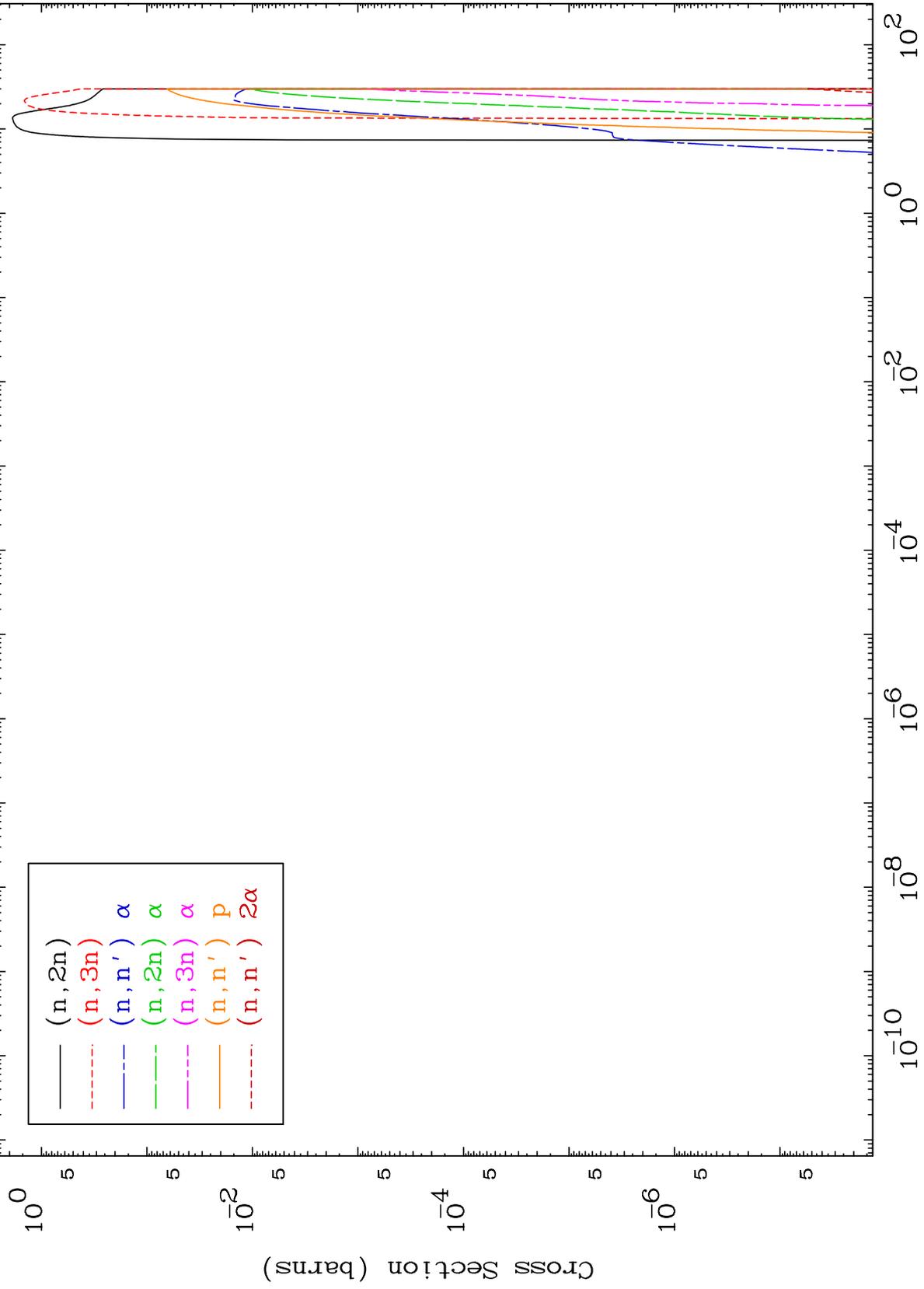
61-Pm-149



MAT 6155

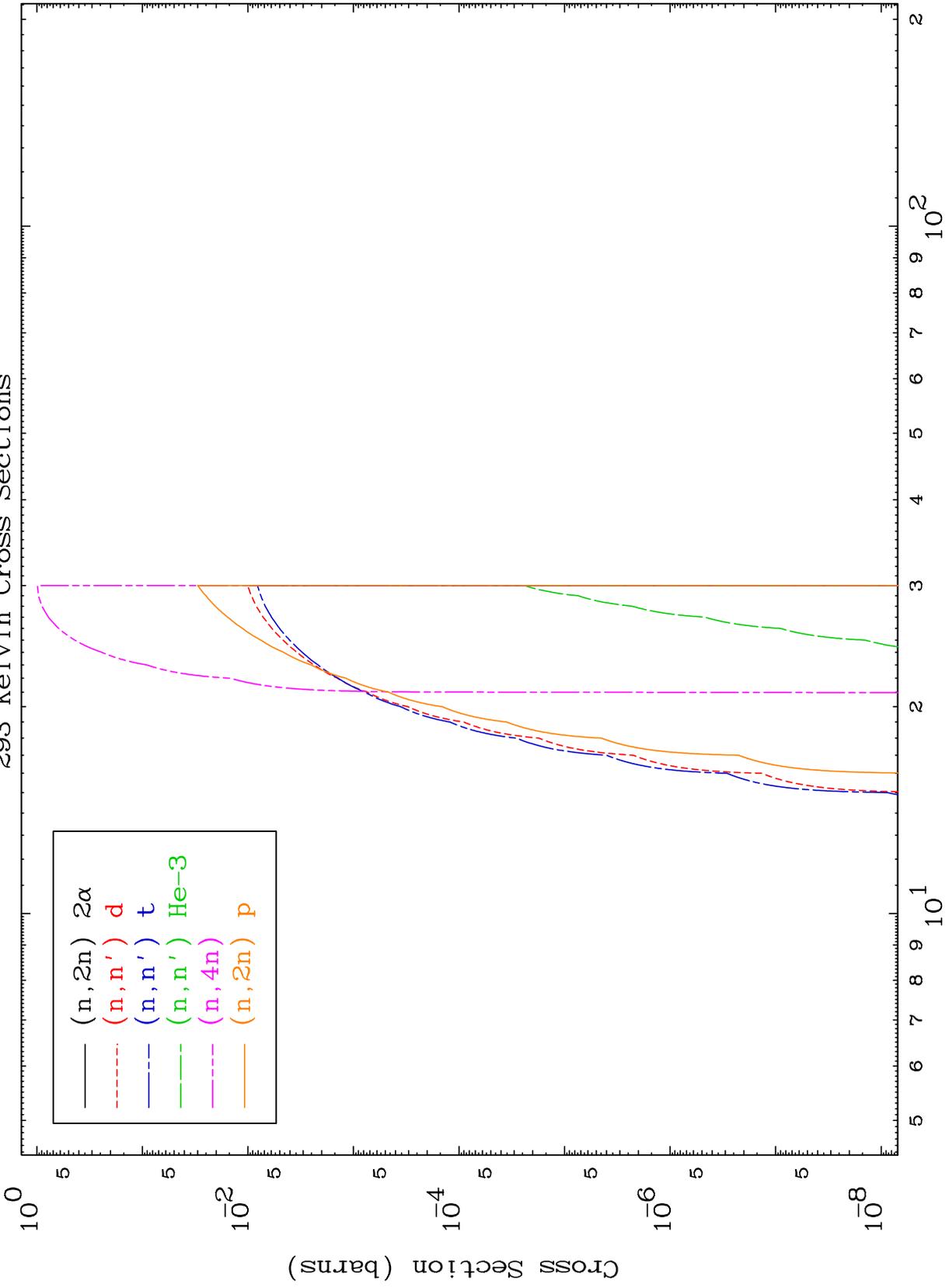
Neutron Production  
293 Kelvin Cross Sections

61-Pm-149



61-Pm-149

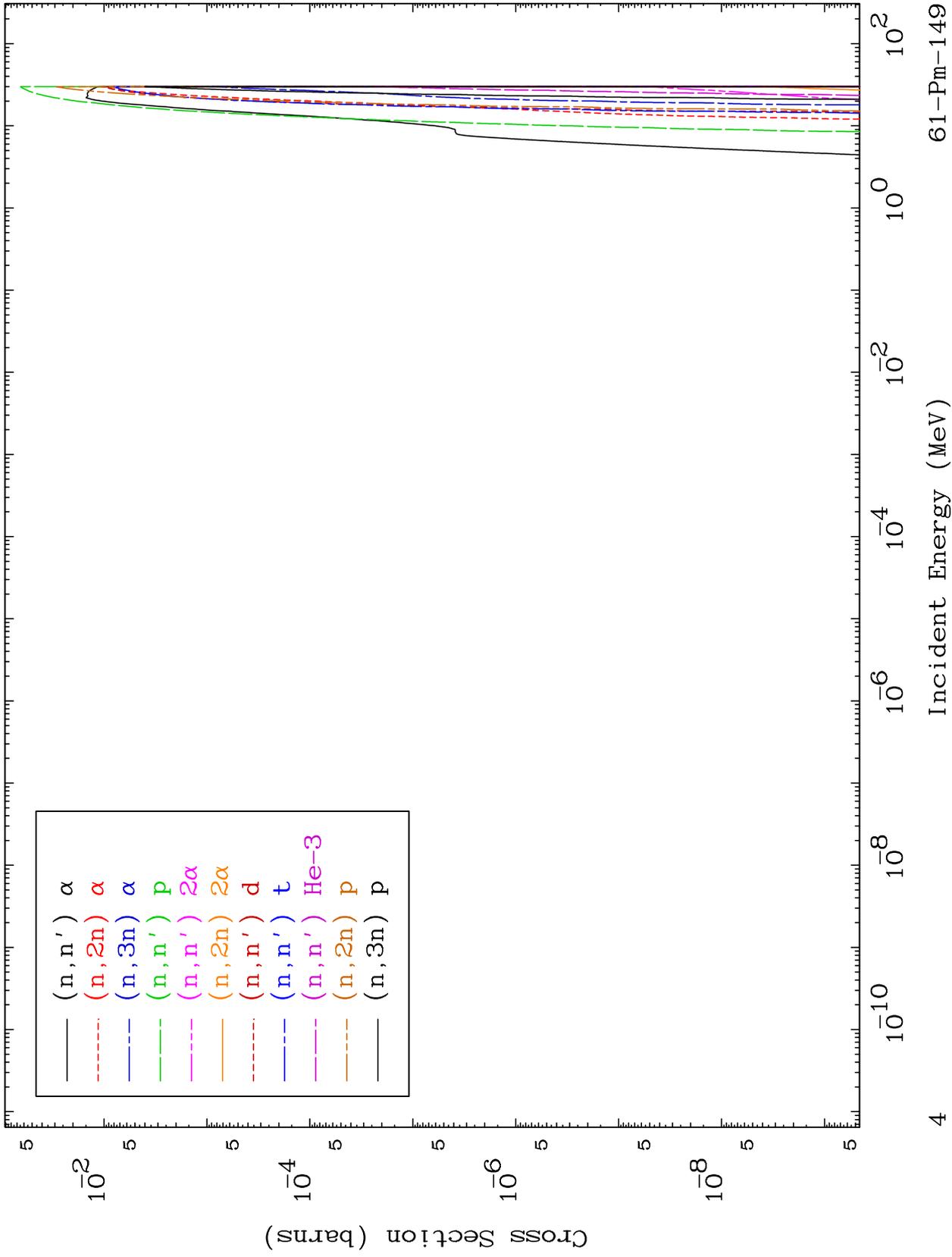
Incident Energy (MeV)



MAT 6155

Charged Particle  
293 Kelvin Cross Sections

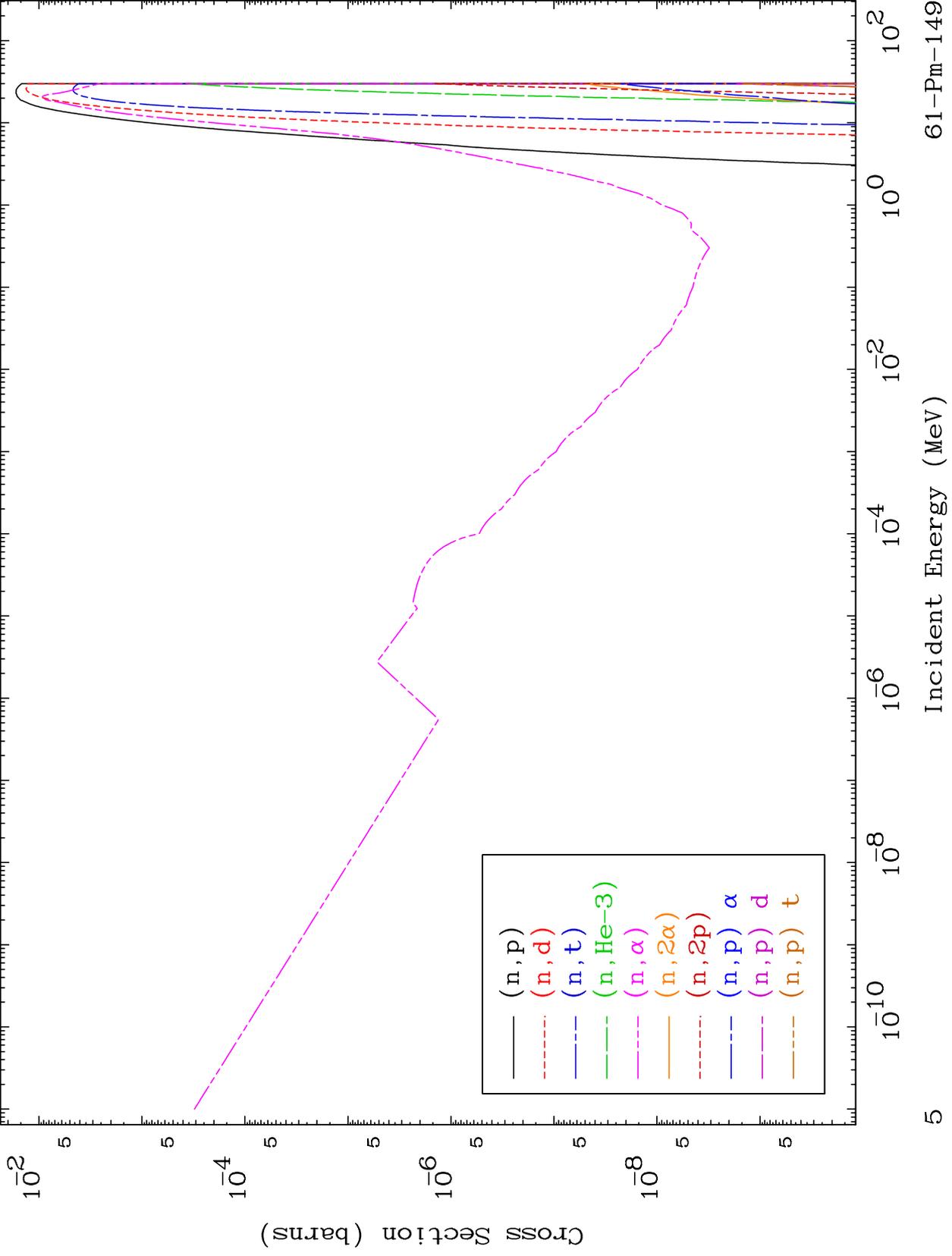
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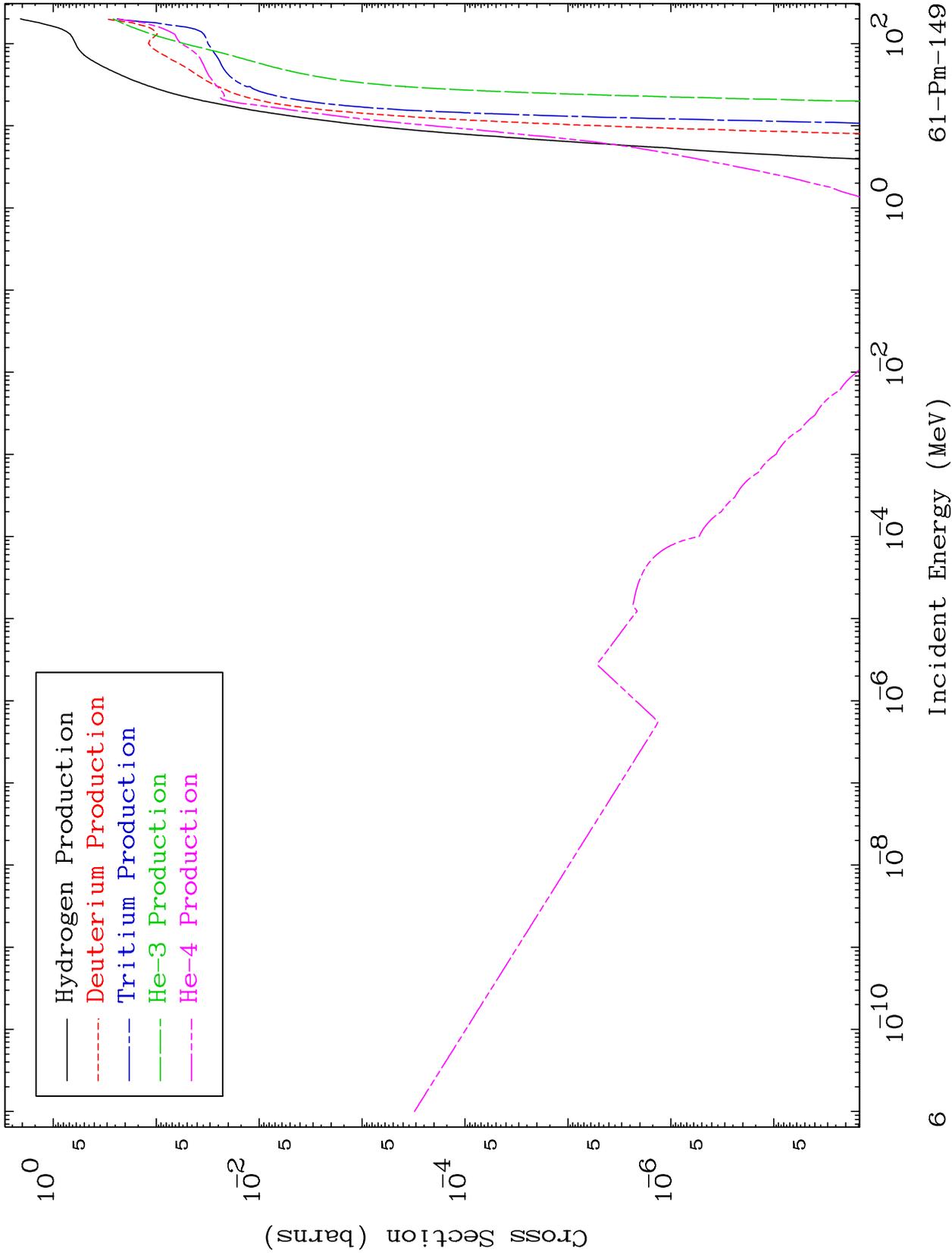


MAT 6155

Charged Particle  
293 Kelvin Cross Sections

61-Pm-149

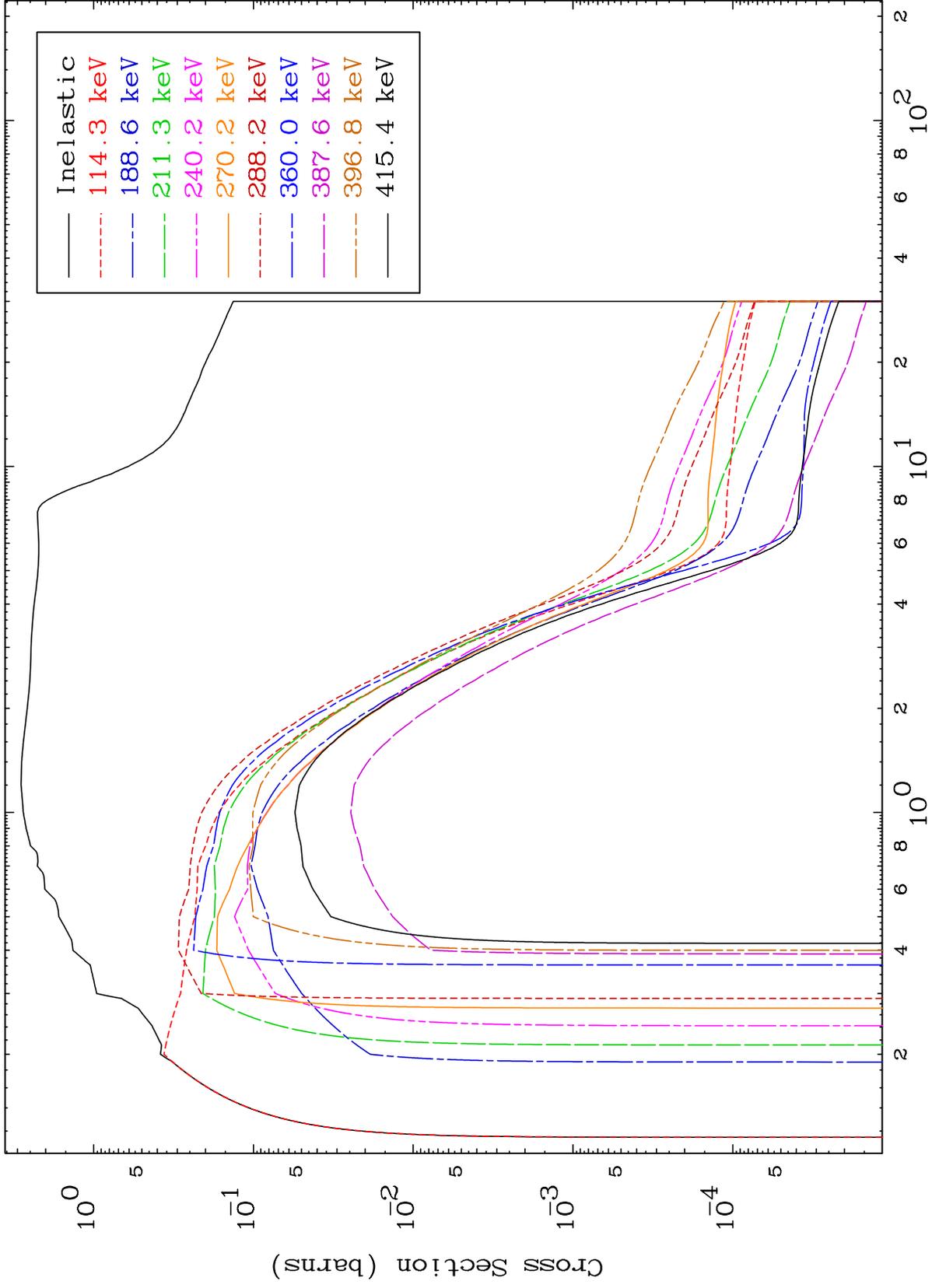




MAT 6155

(n,n') Level  
293 Kelvin Cross Sections

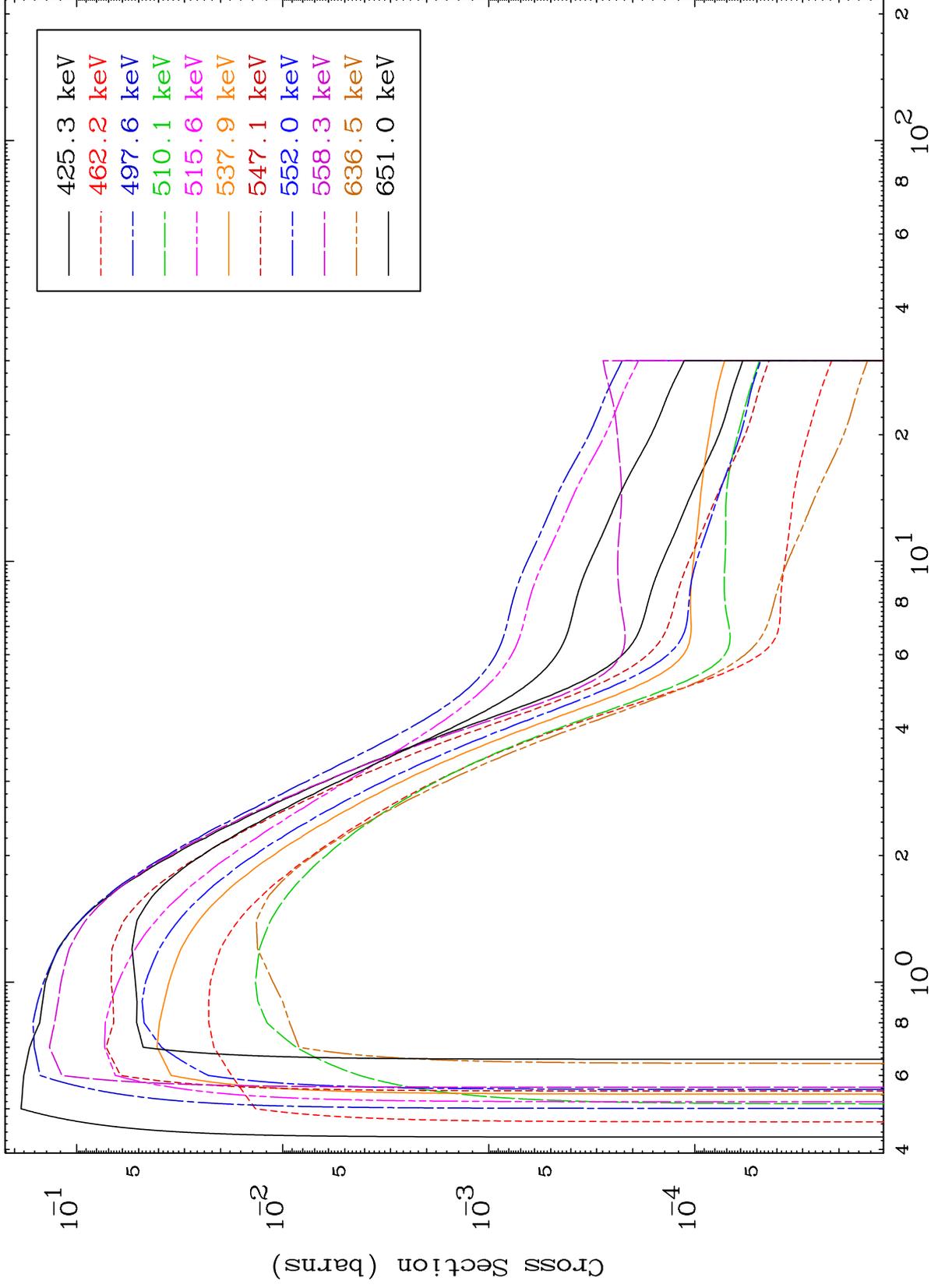
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MAT 6155

(n,n') Level  
293 Kelvin Cross Sections

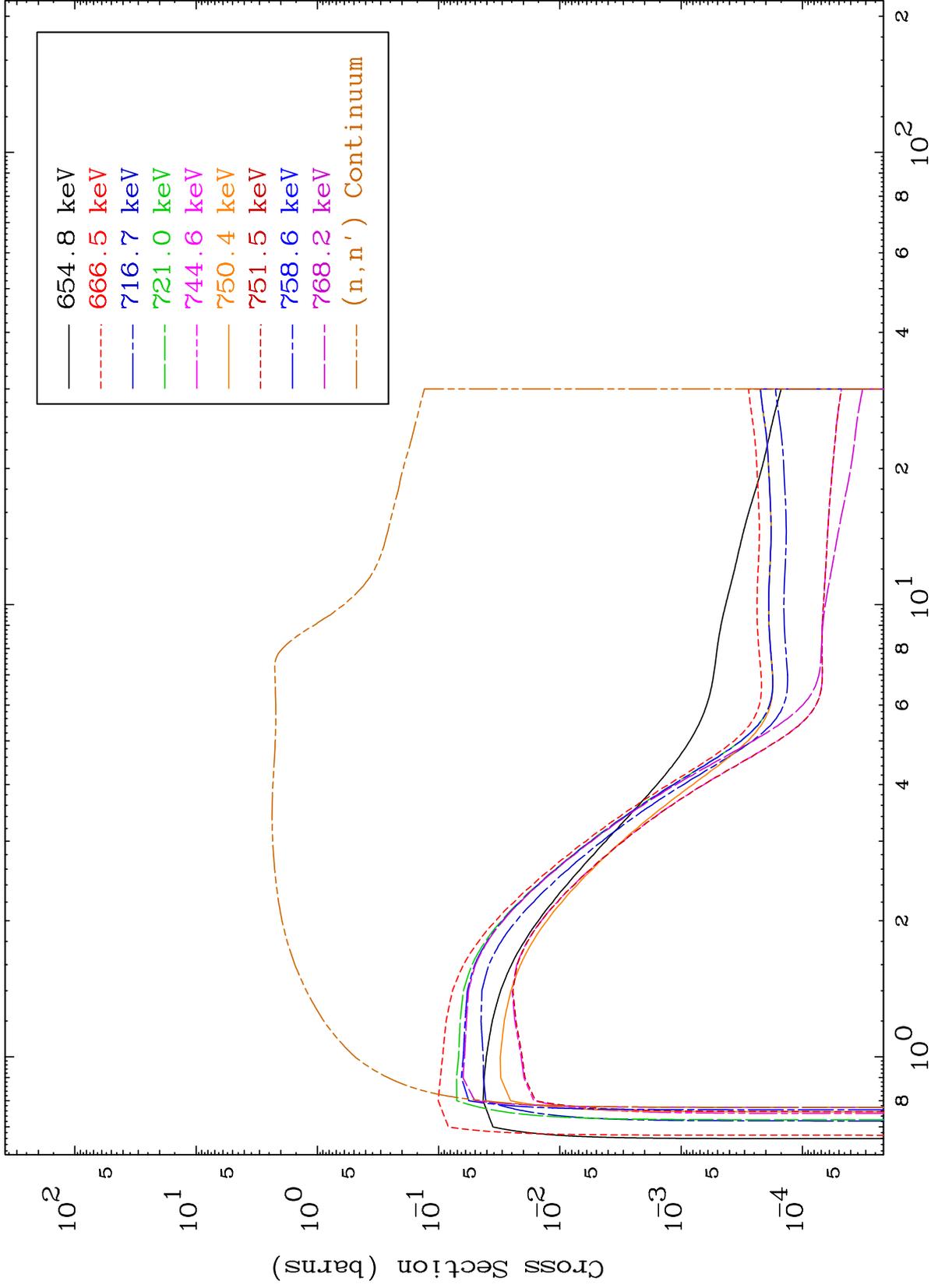
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Incident Energy (MeV)

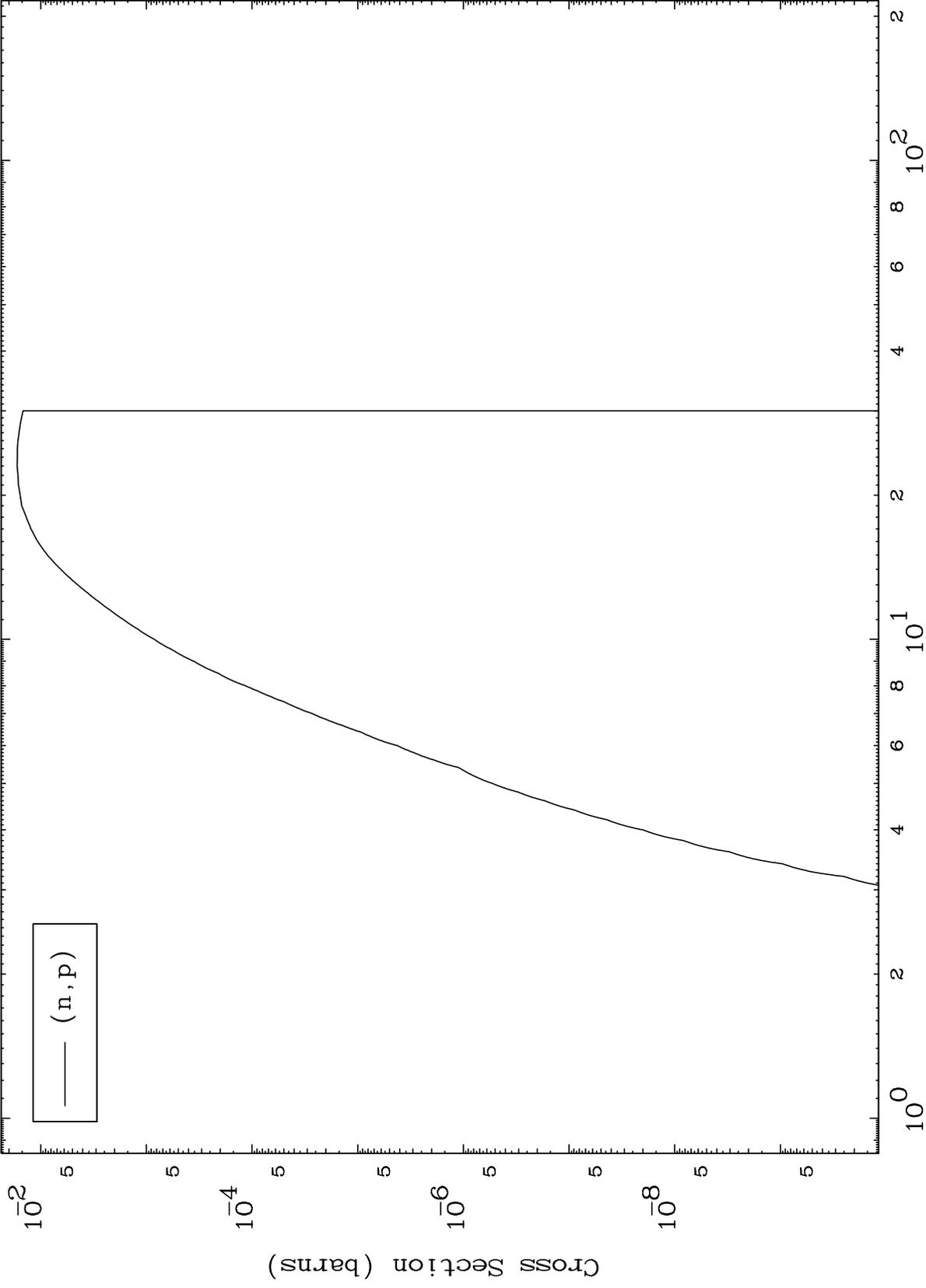
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MAT 6155

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-149



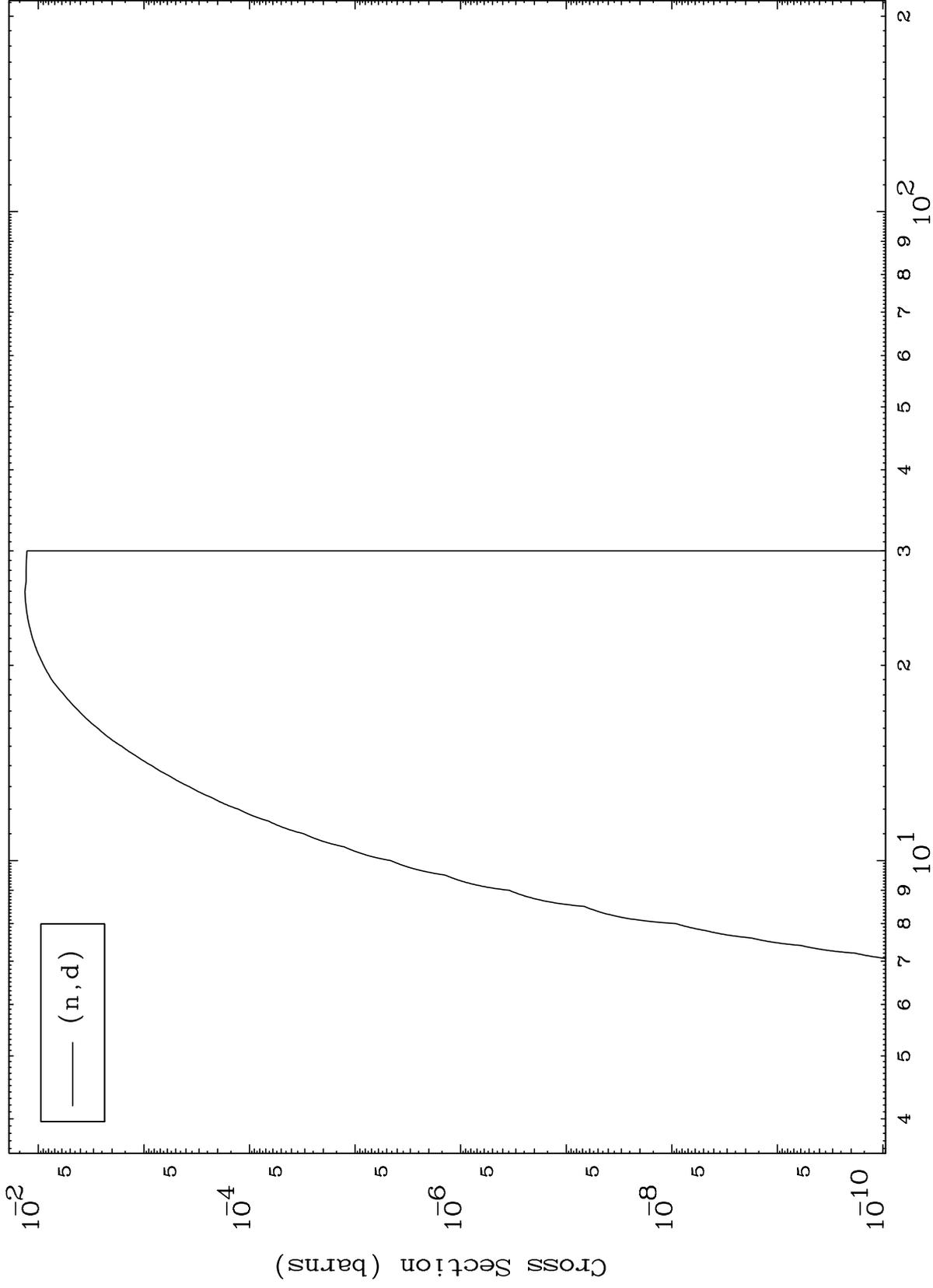
Incident Energy (MeV)

61-Pm-149

MAT 6155

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-149



11

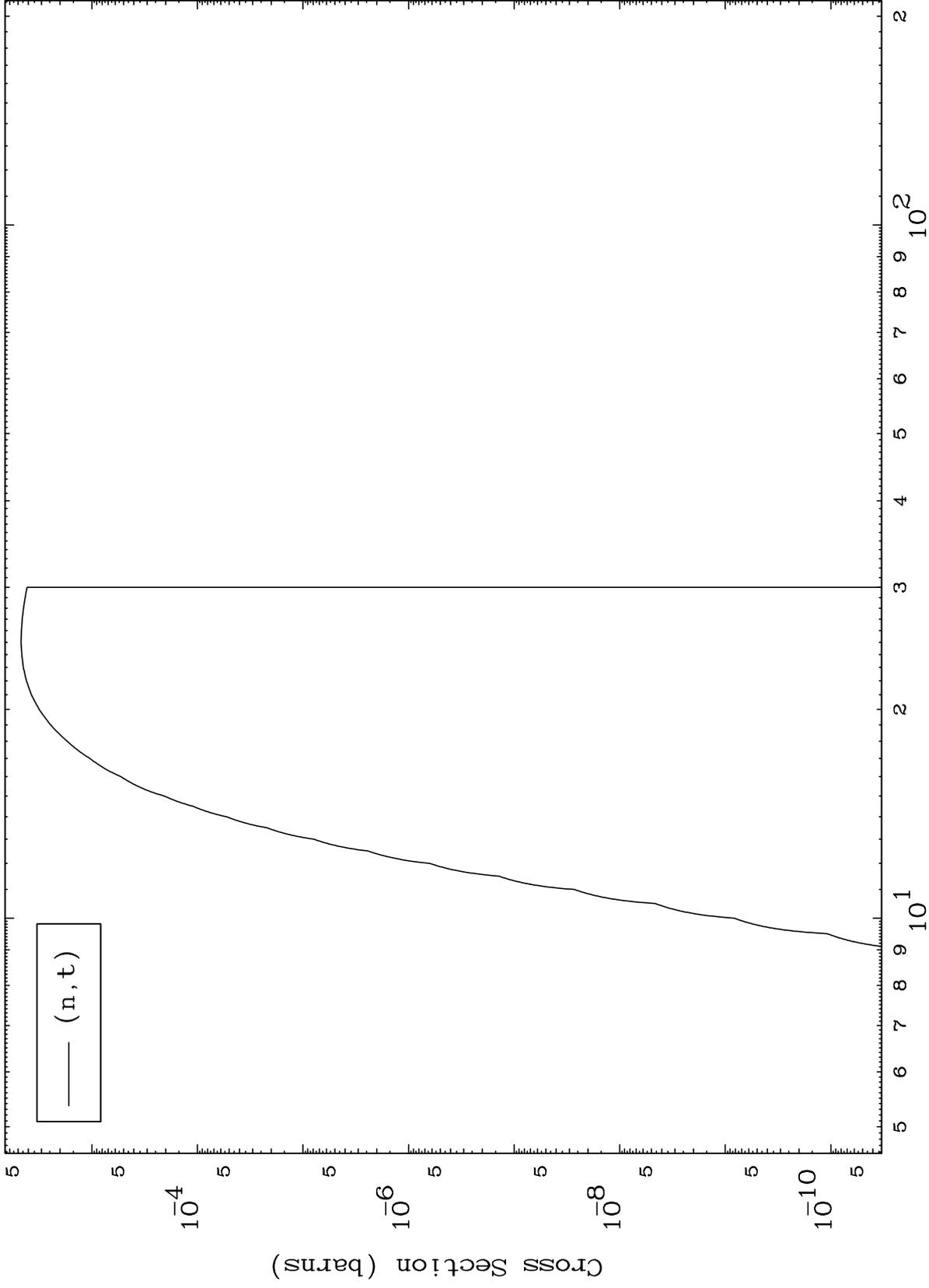
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61-Pm-149

MAT 6155

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-149



12

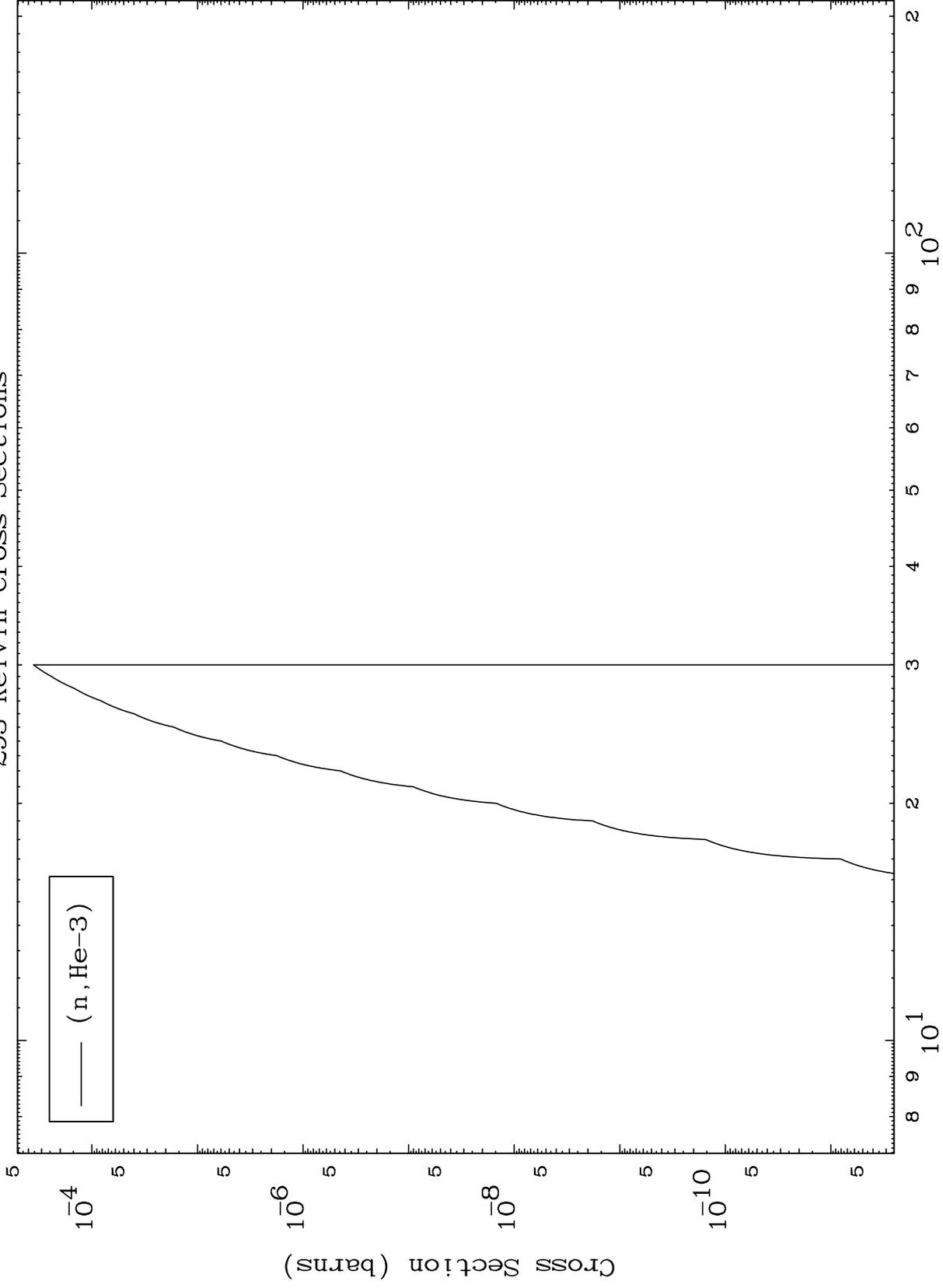
Incident Energy (MeV)

61-Pm-149

MAT 6155

(n,He3) Levels  
293 Kelvin Cross Sections

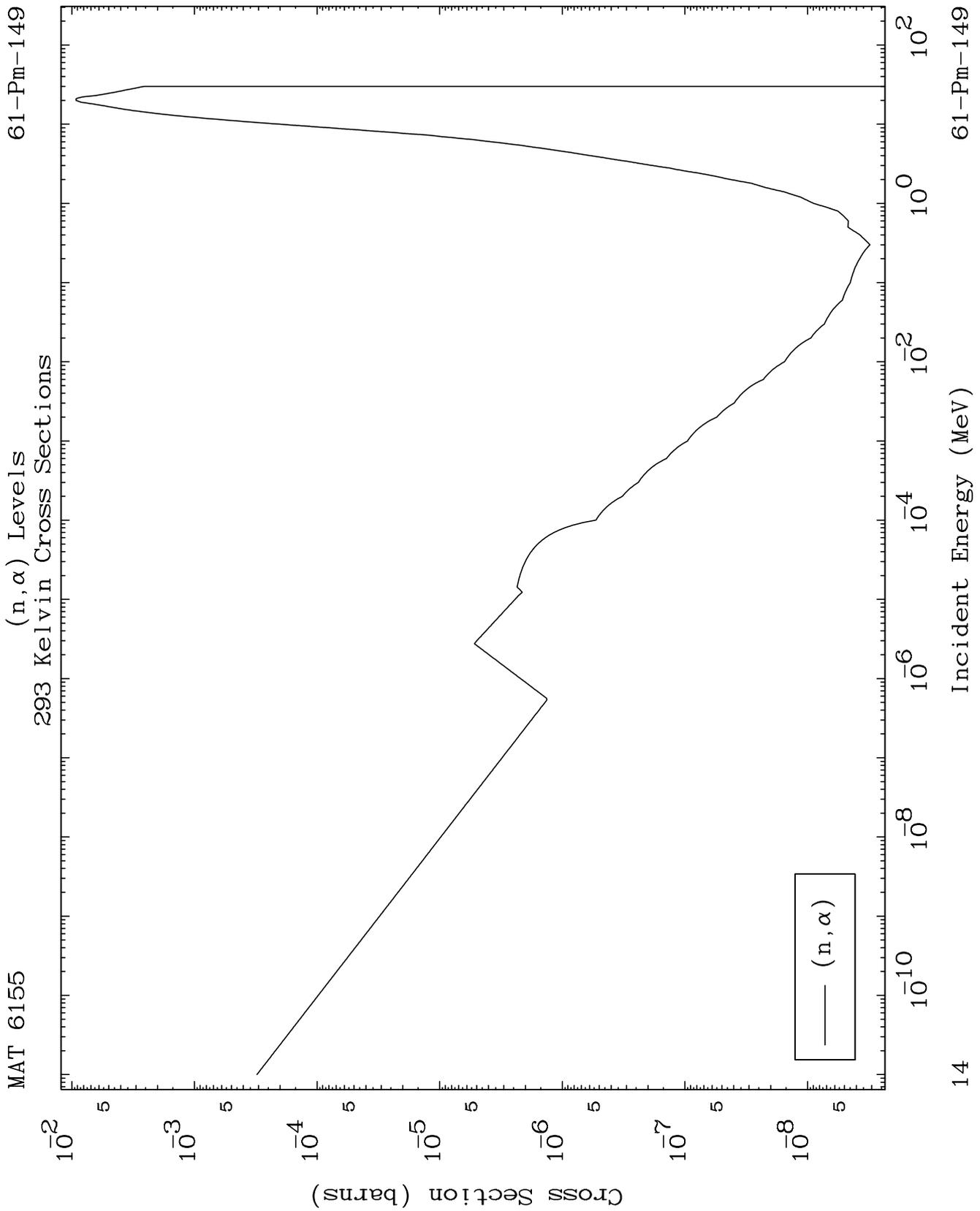
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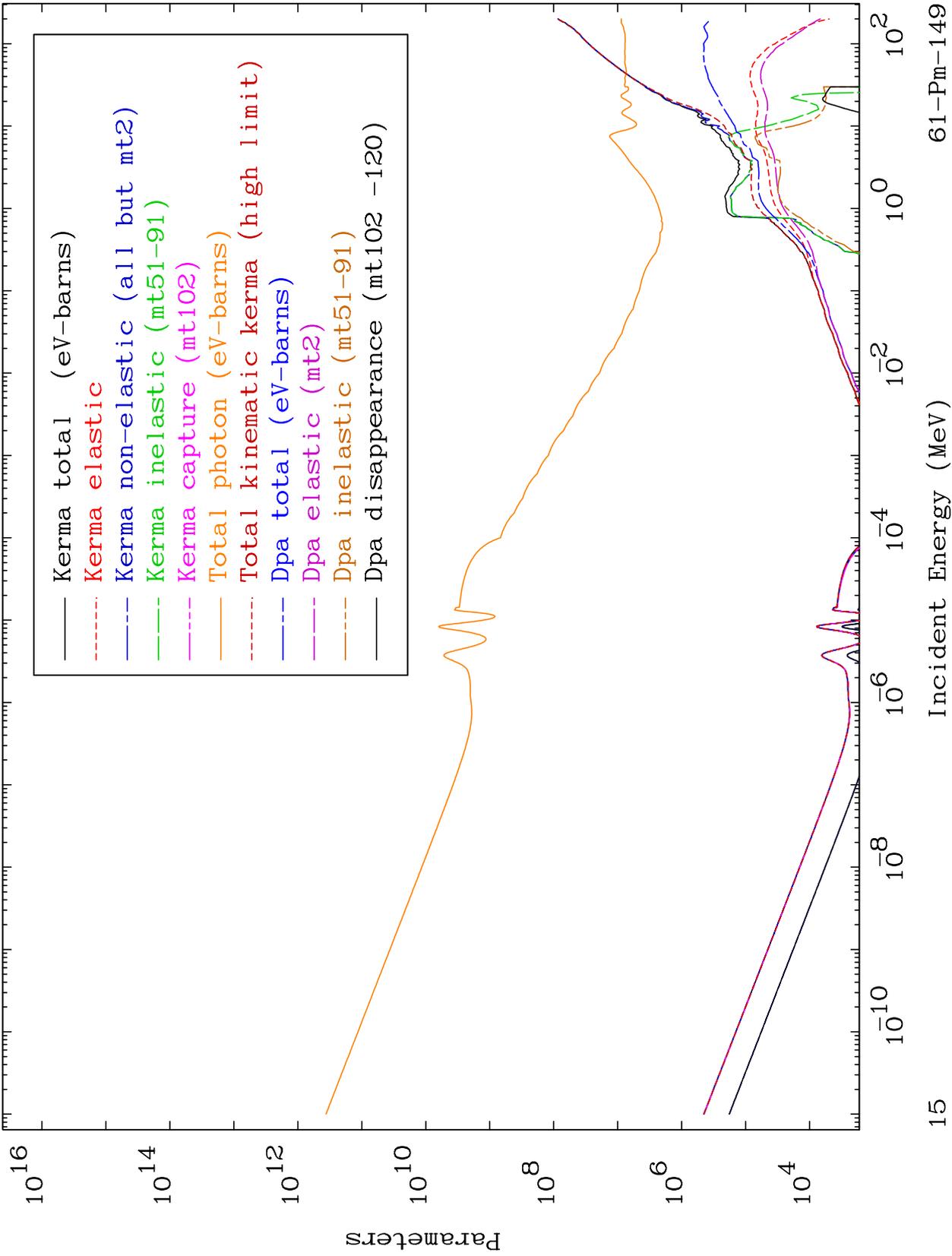


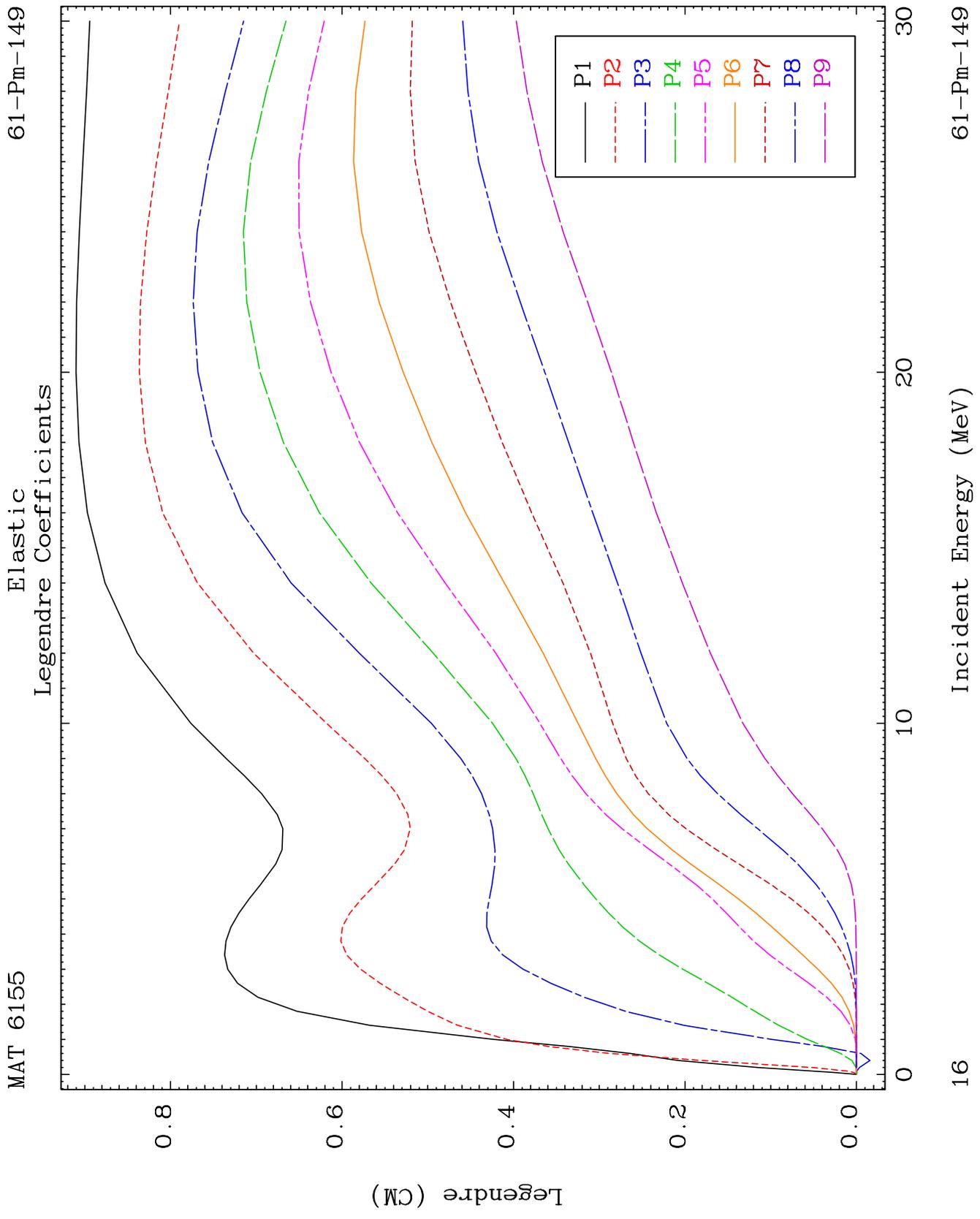
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Incident Energy (MeV)

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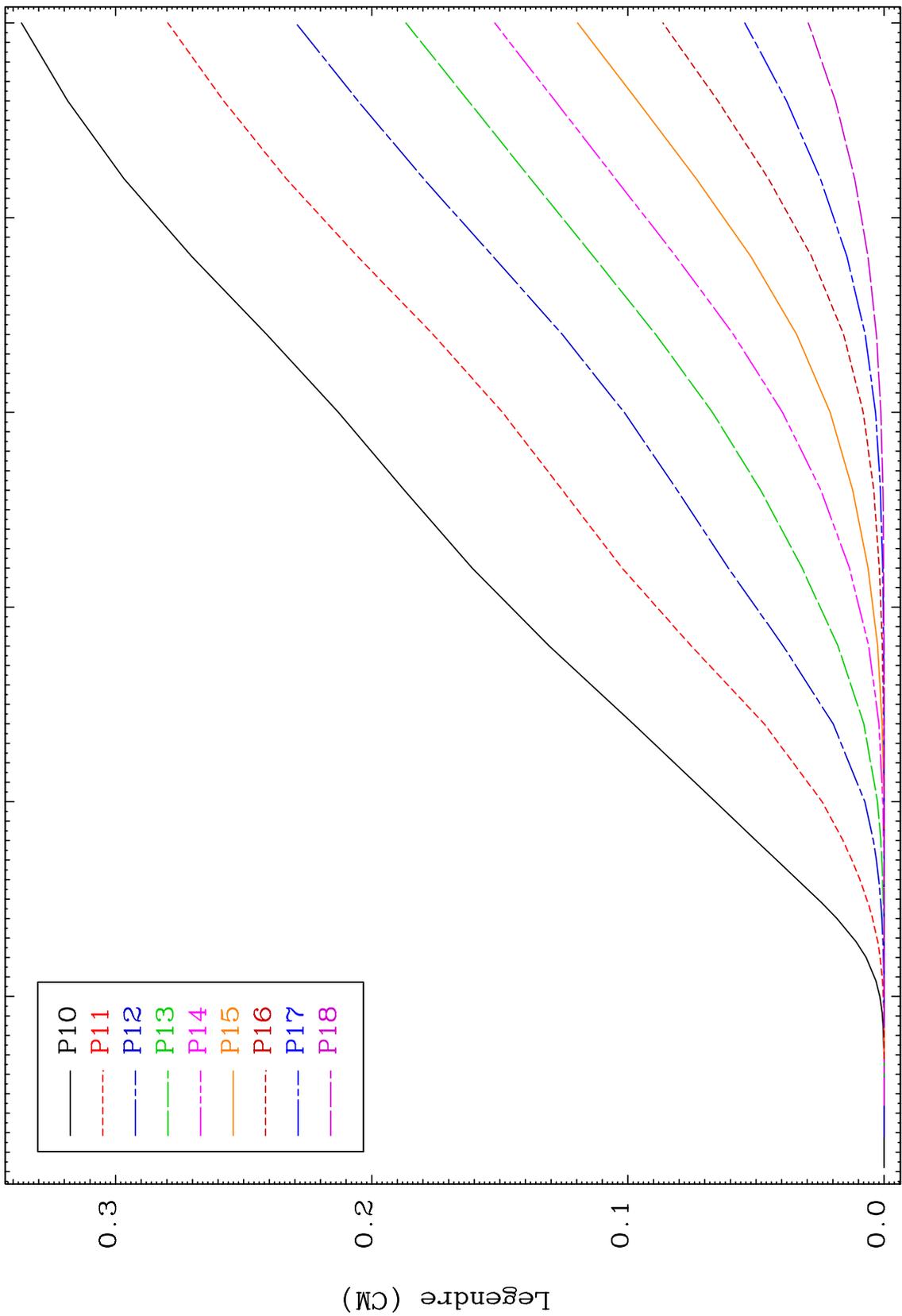




MAT 6155

Elastic Legendre Coefficients

61-Pm-149



17

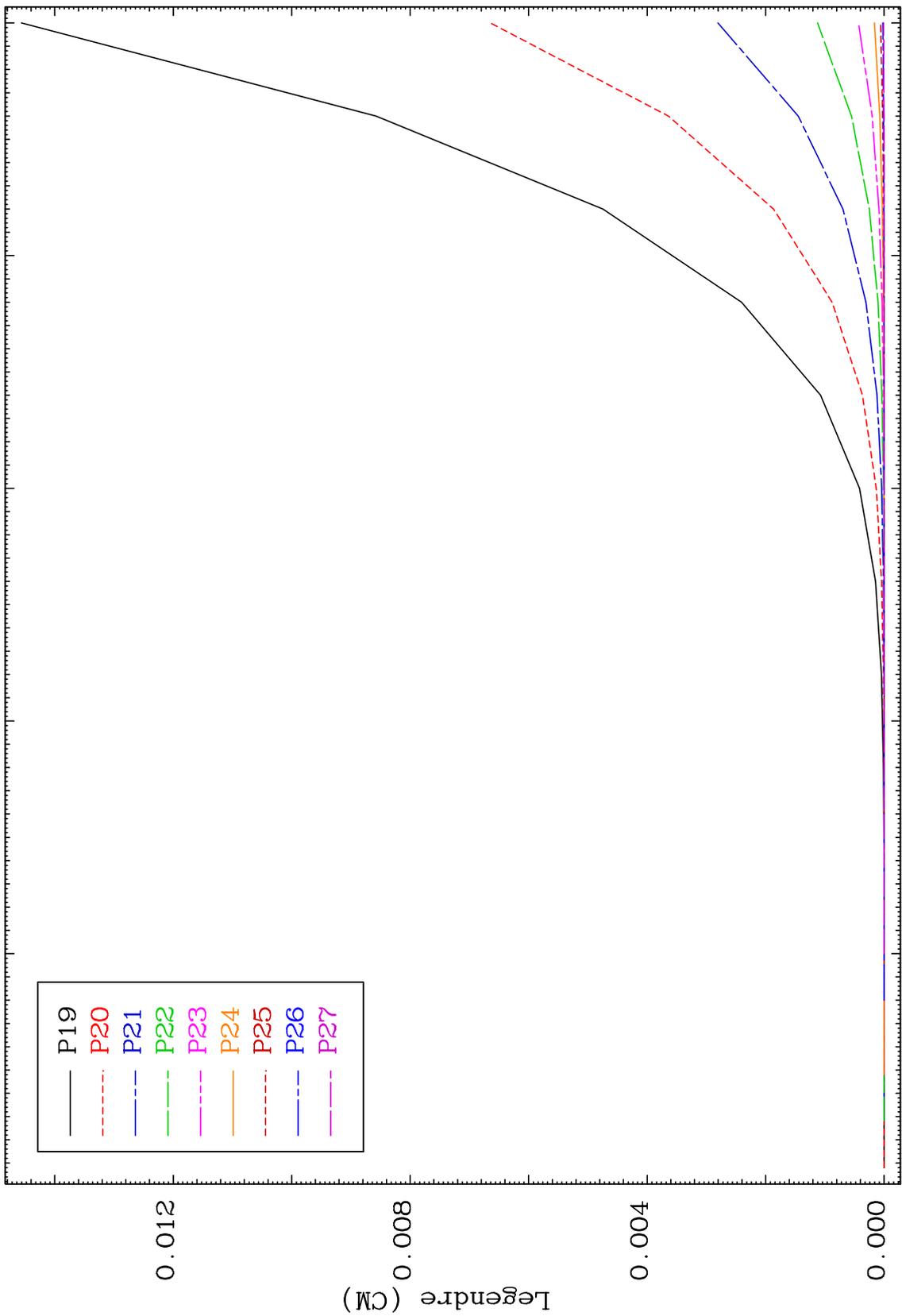
Incident Energy (MeV)

61-Pm-149

MAT 6155

Elastic Legendre Coefficients

61-Pm-149



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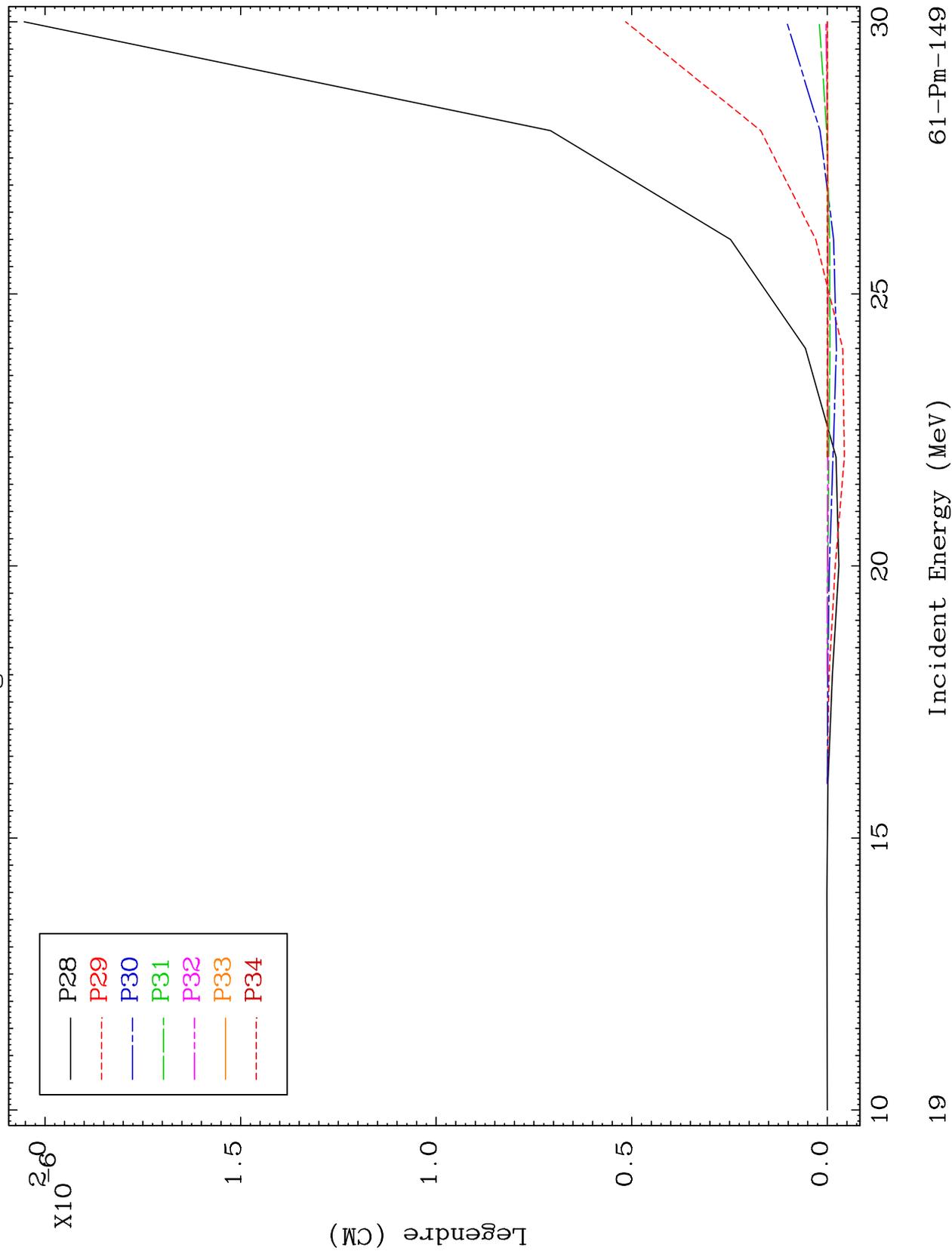
Incident Energy (MeV)

61-Pm-149

MAT 6155

Elastic  
Legendre Coefficients

61-Pm-149

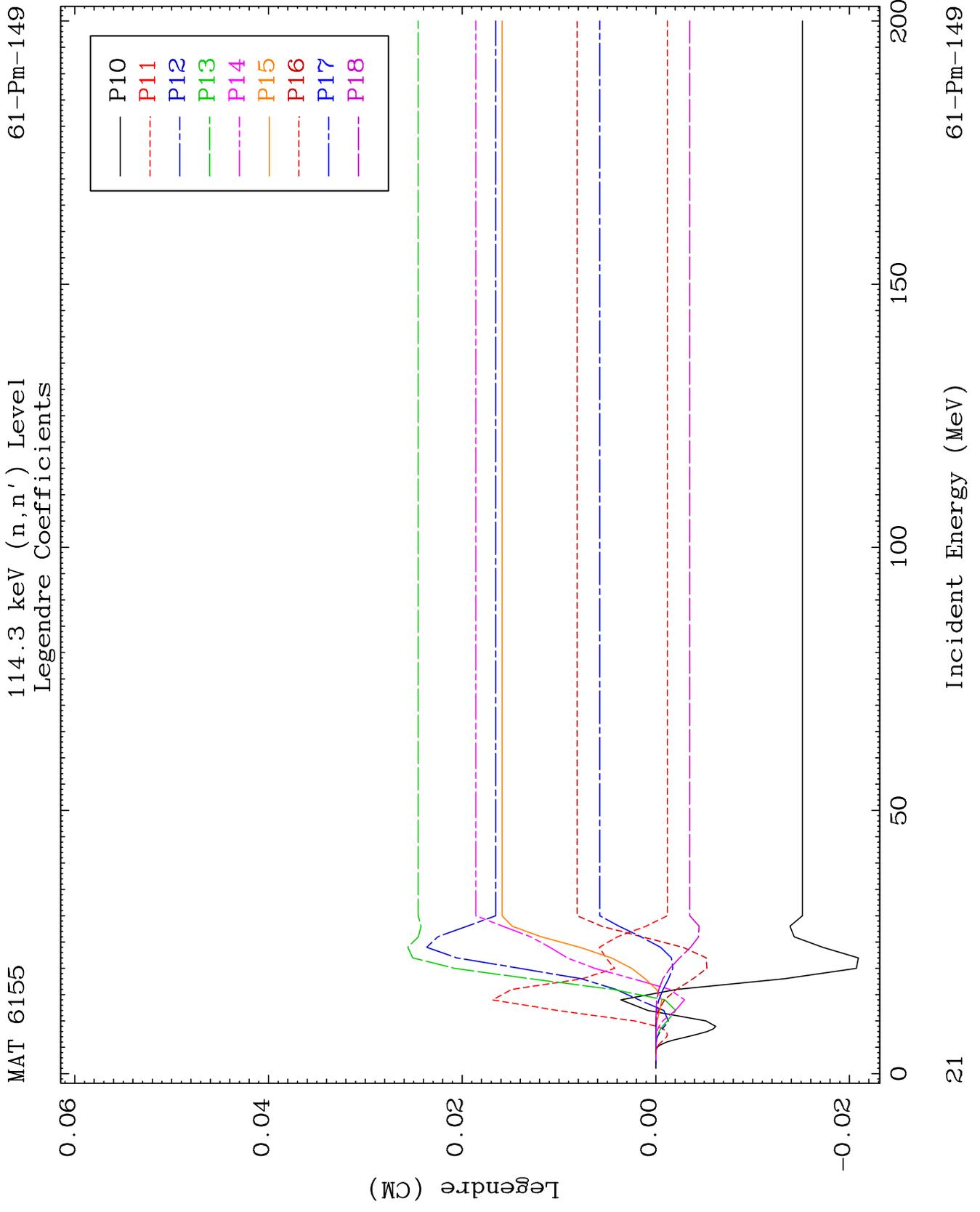


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Incident Energy (MeV)

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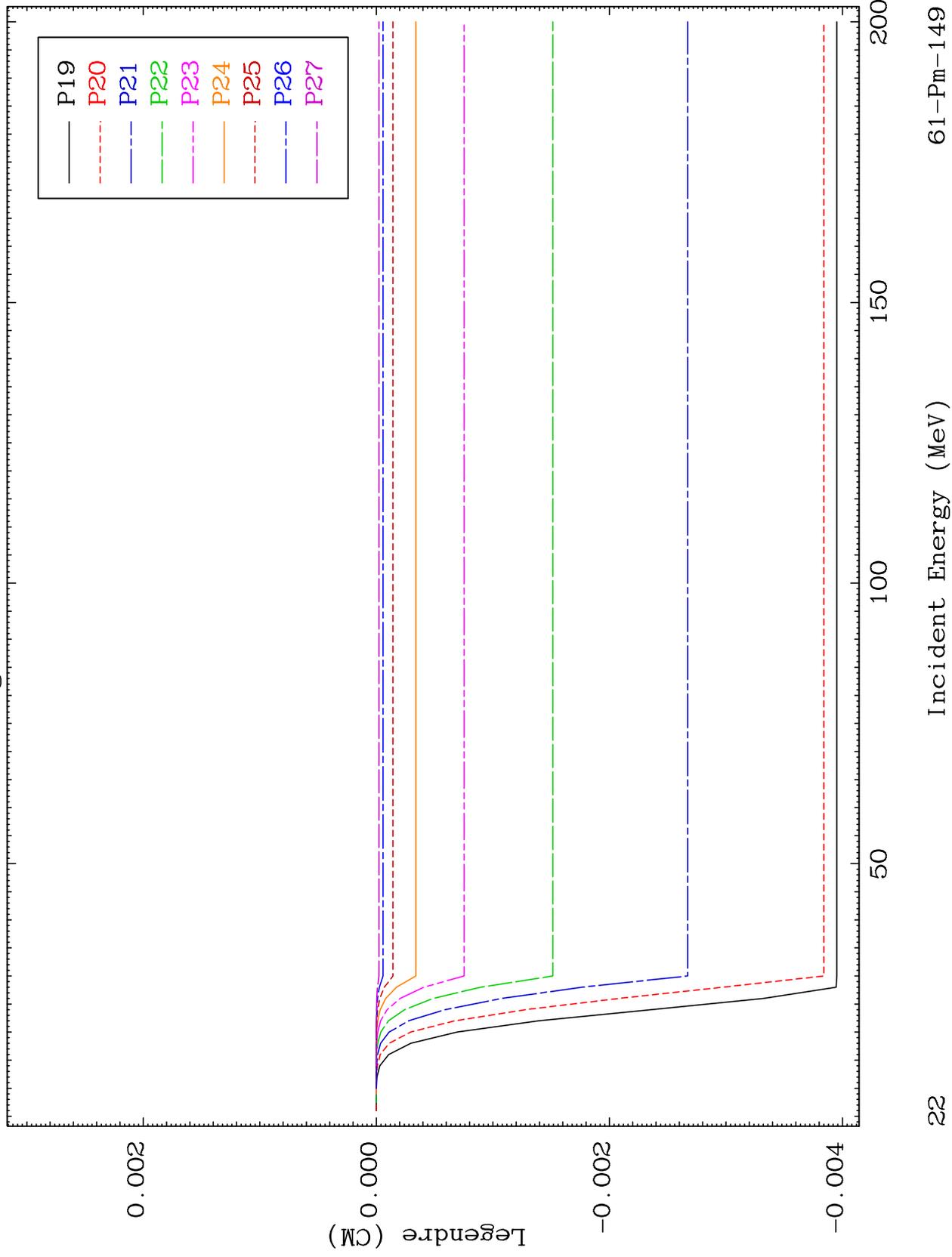




MAT 6155

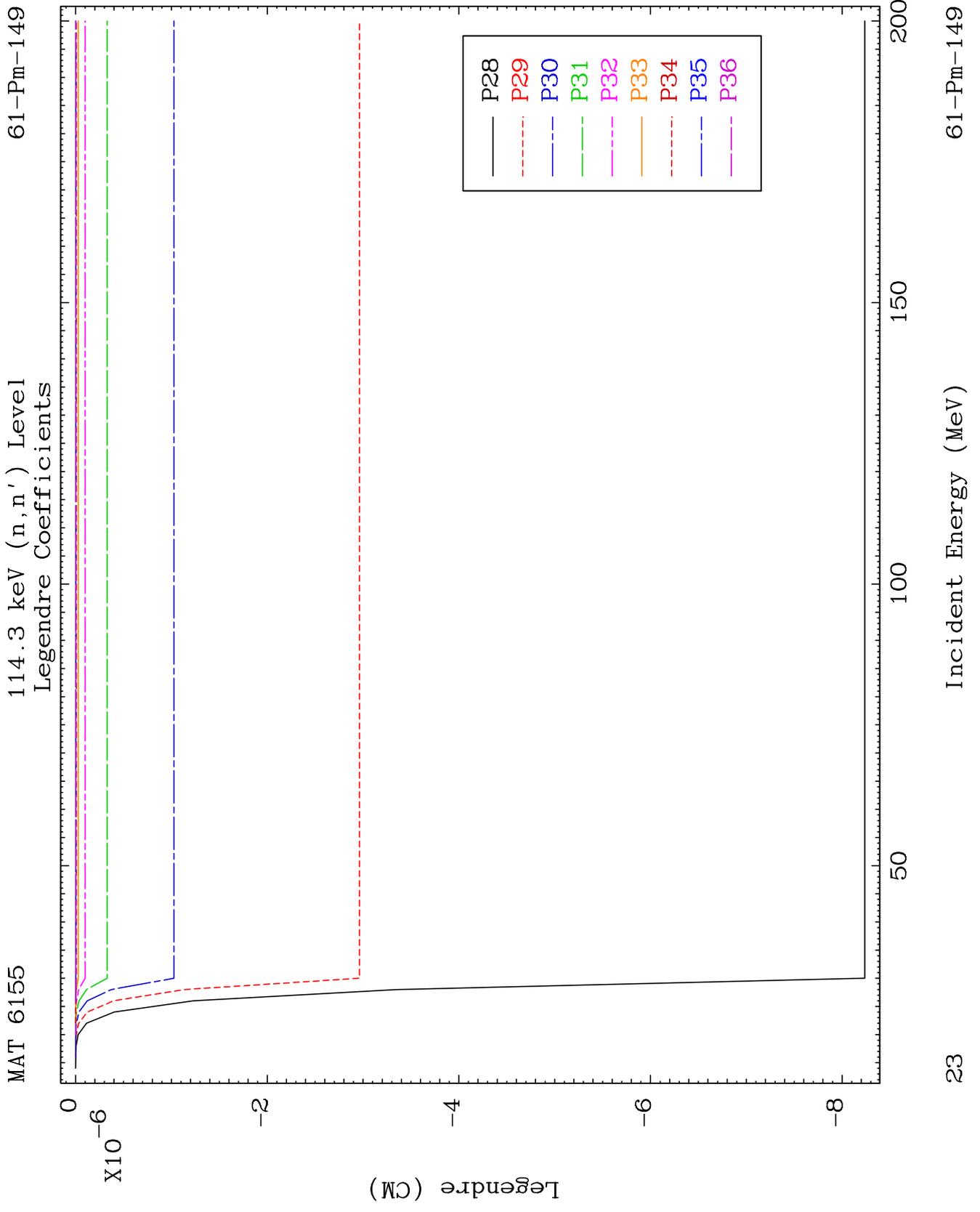
114.3 keV (n,n') Level  
Legendre Coefficients

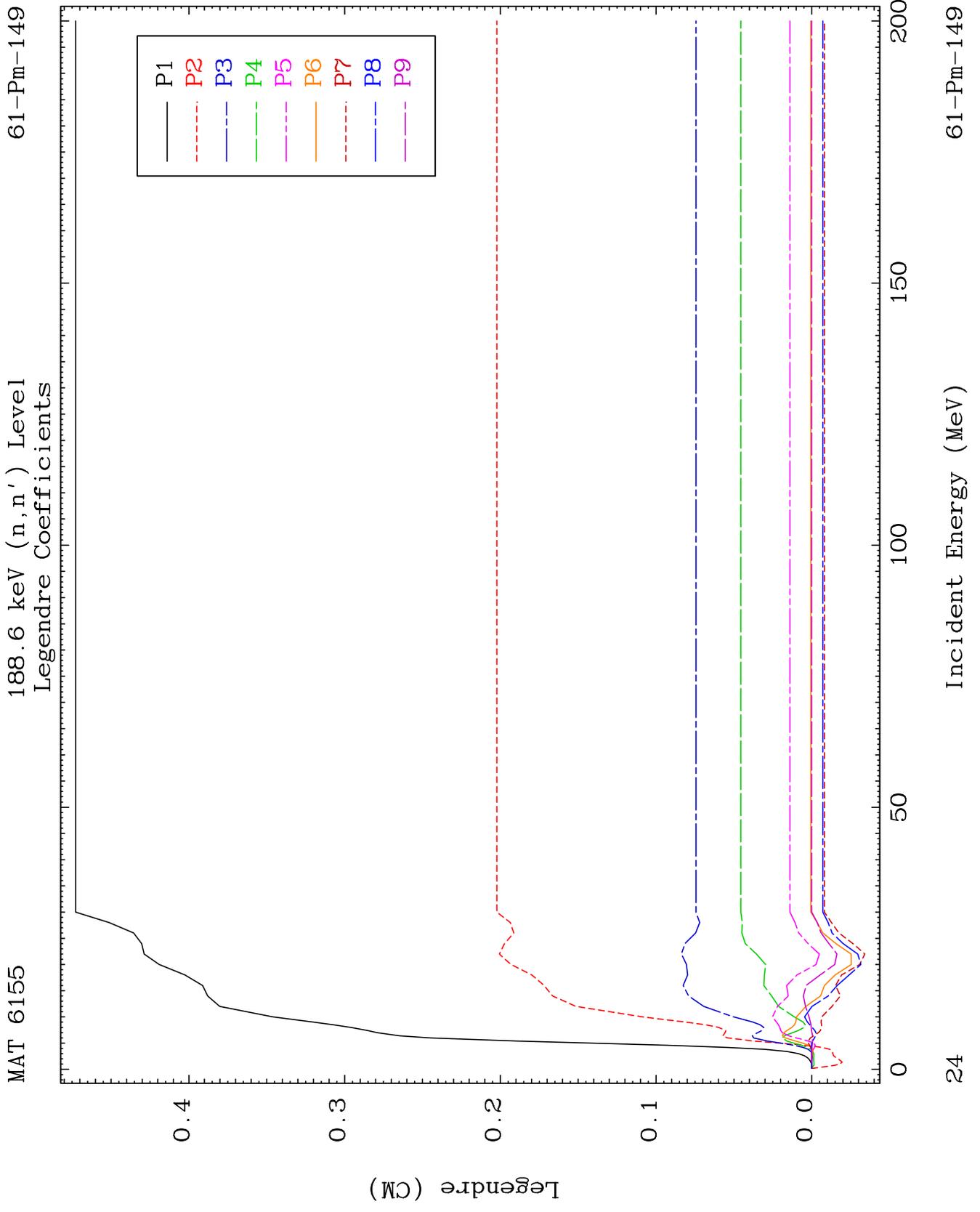
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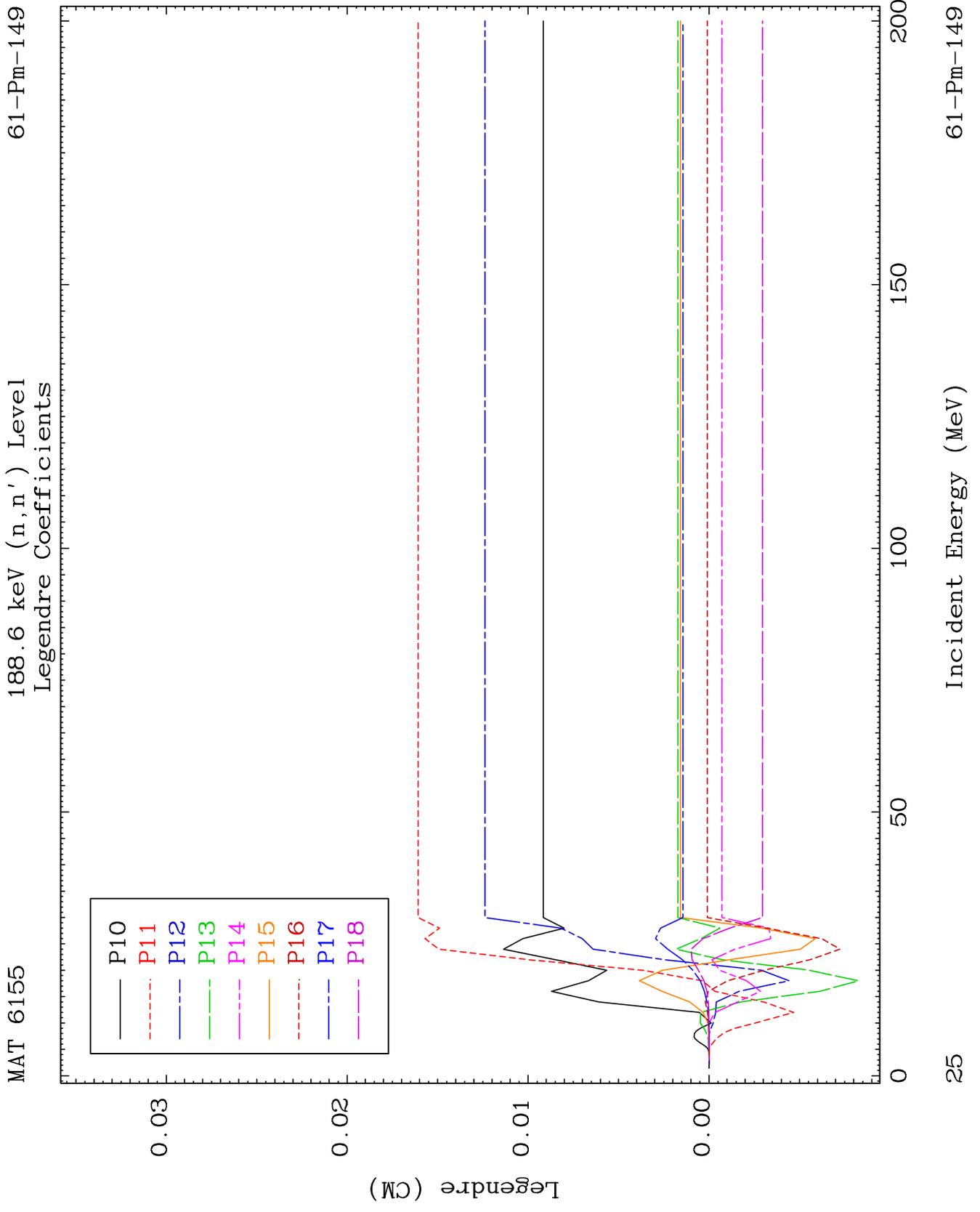


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61-Pm-149



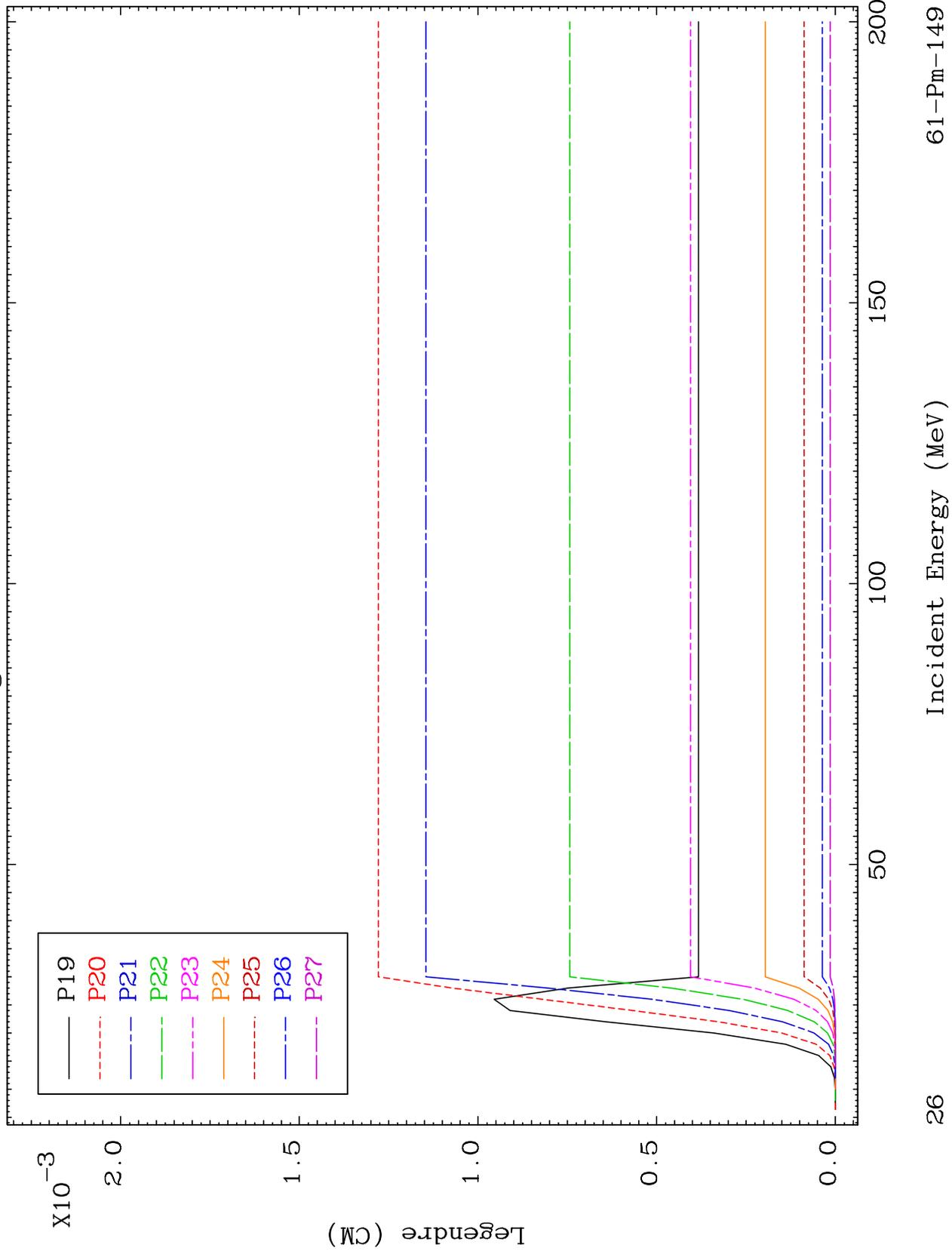


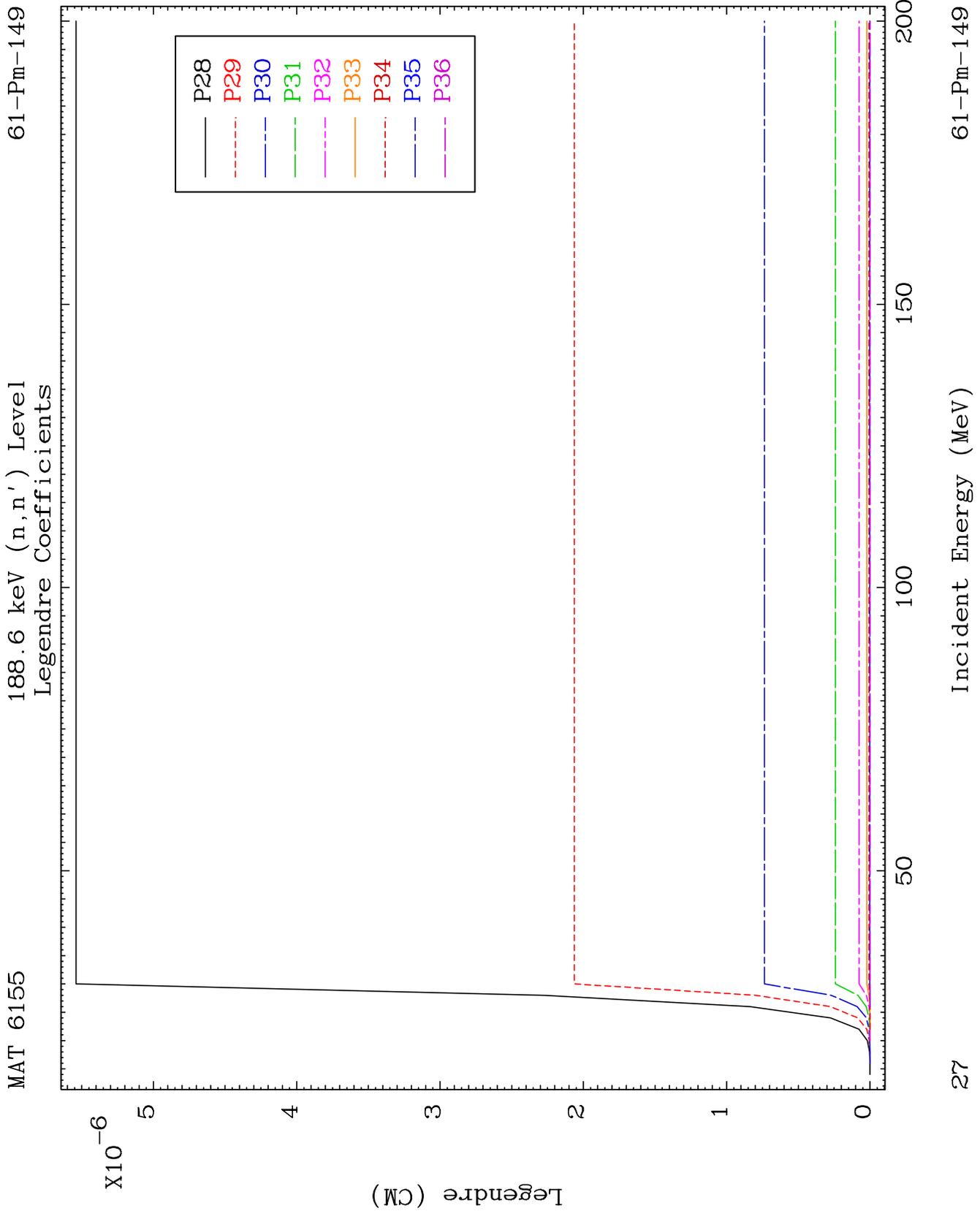


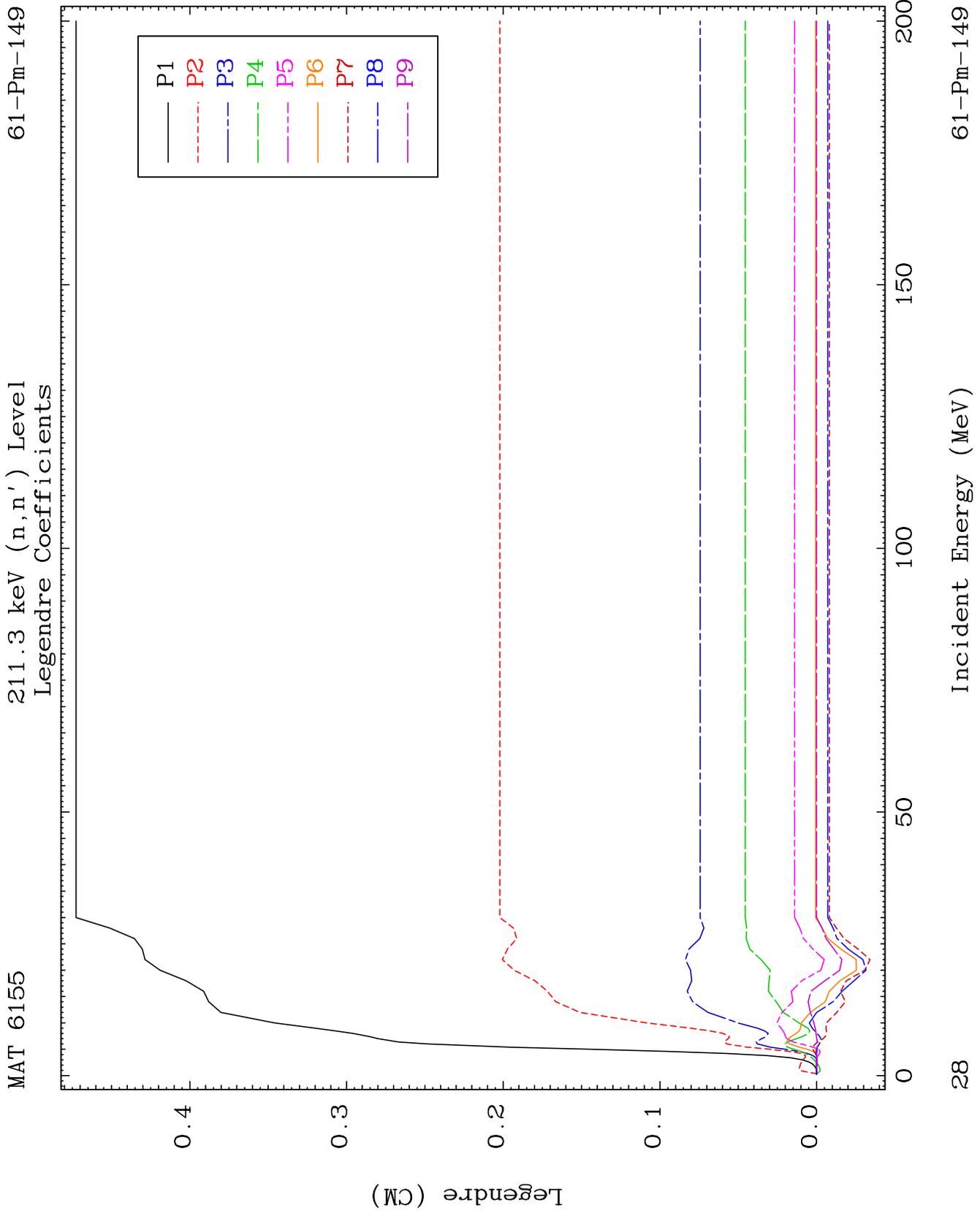
MAT 6155

188.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



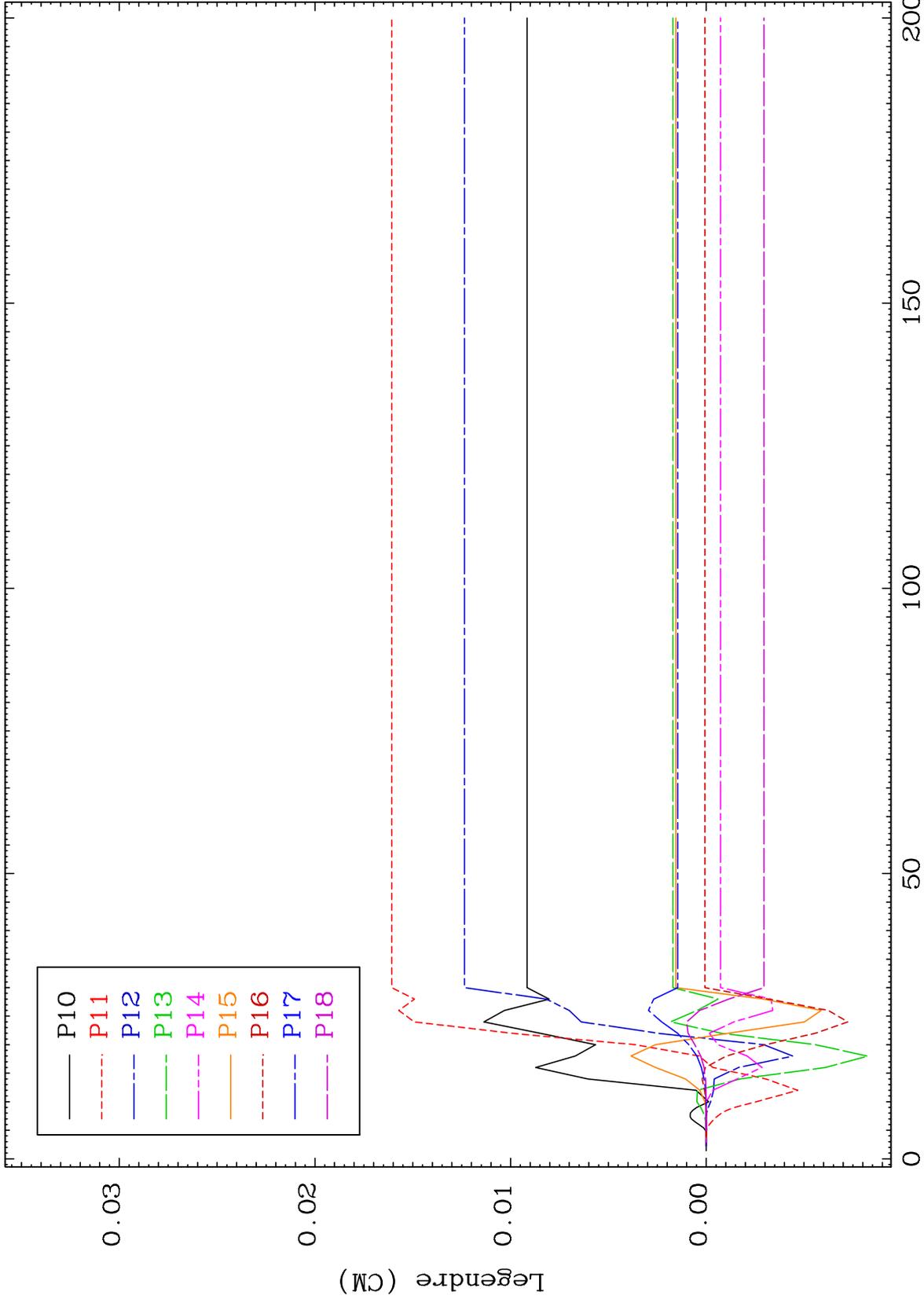




MAT 6155

211.3 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



29

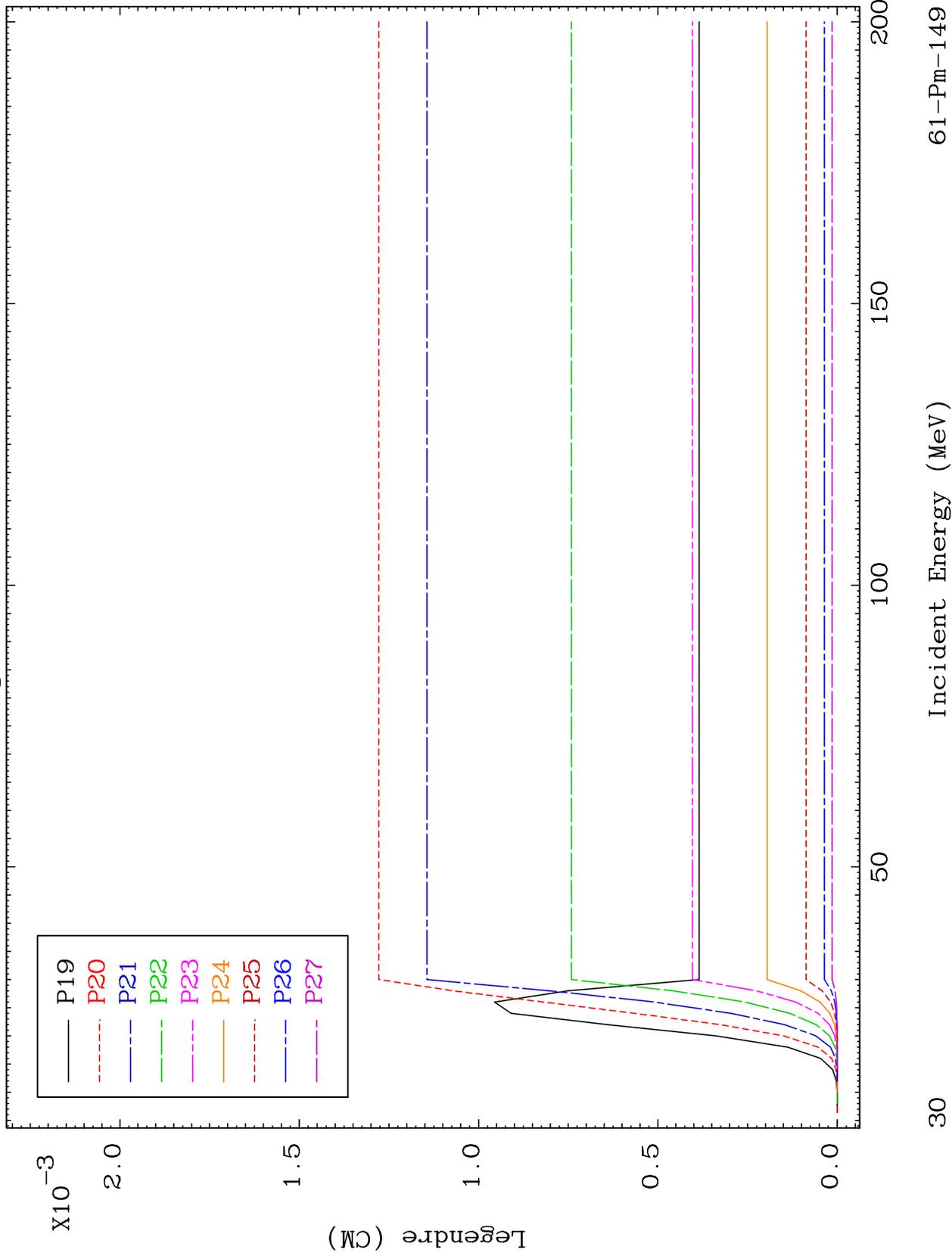
Incident Energy (MeV)

61-Pm-149

MAT 6155

211.3 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



30

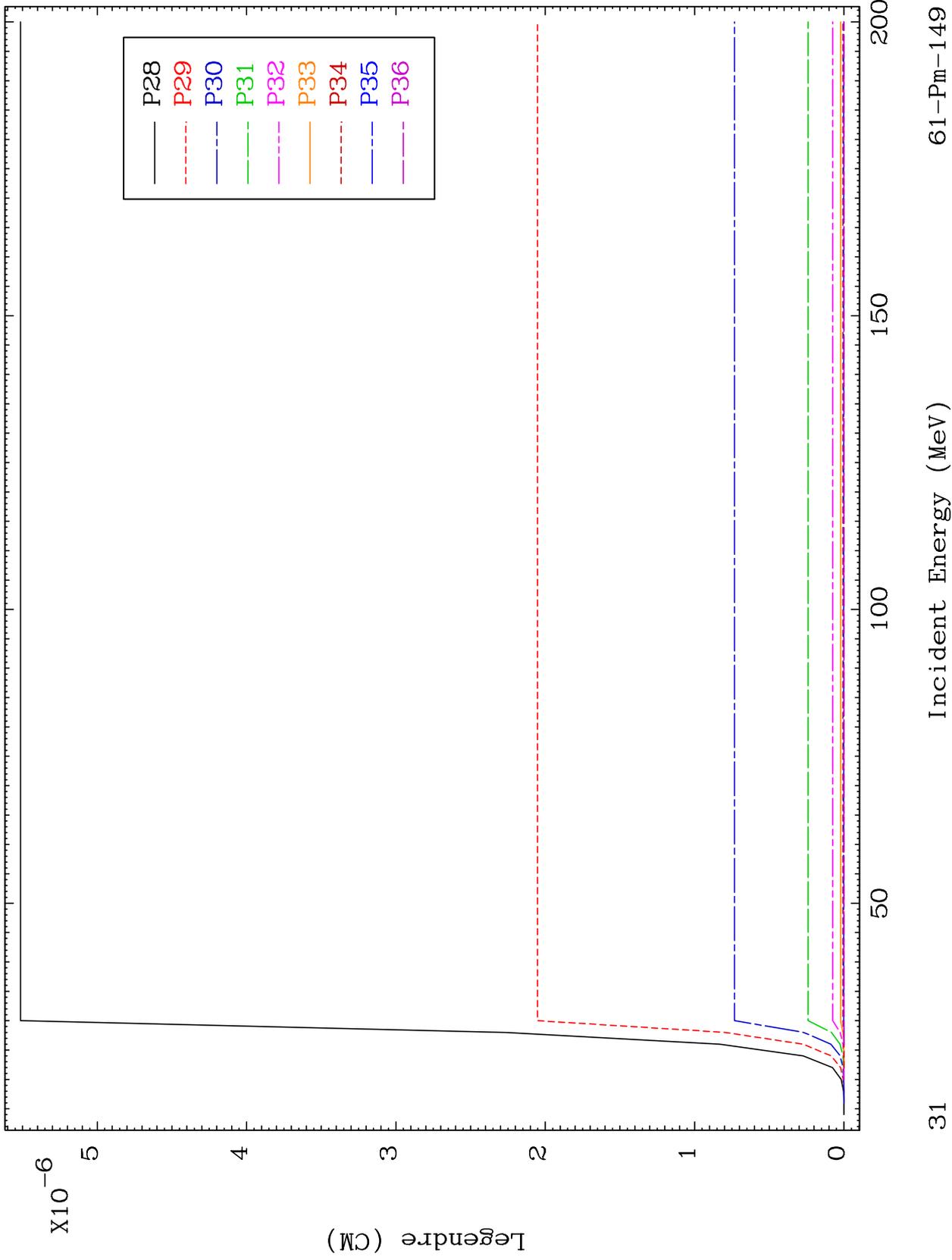
Incident Energy (MeV)

61-Pm-149

MAT 6155

211.3 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



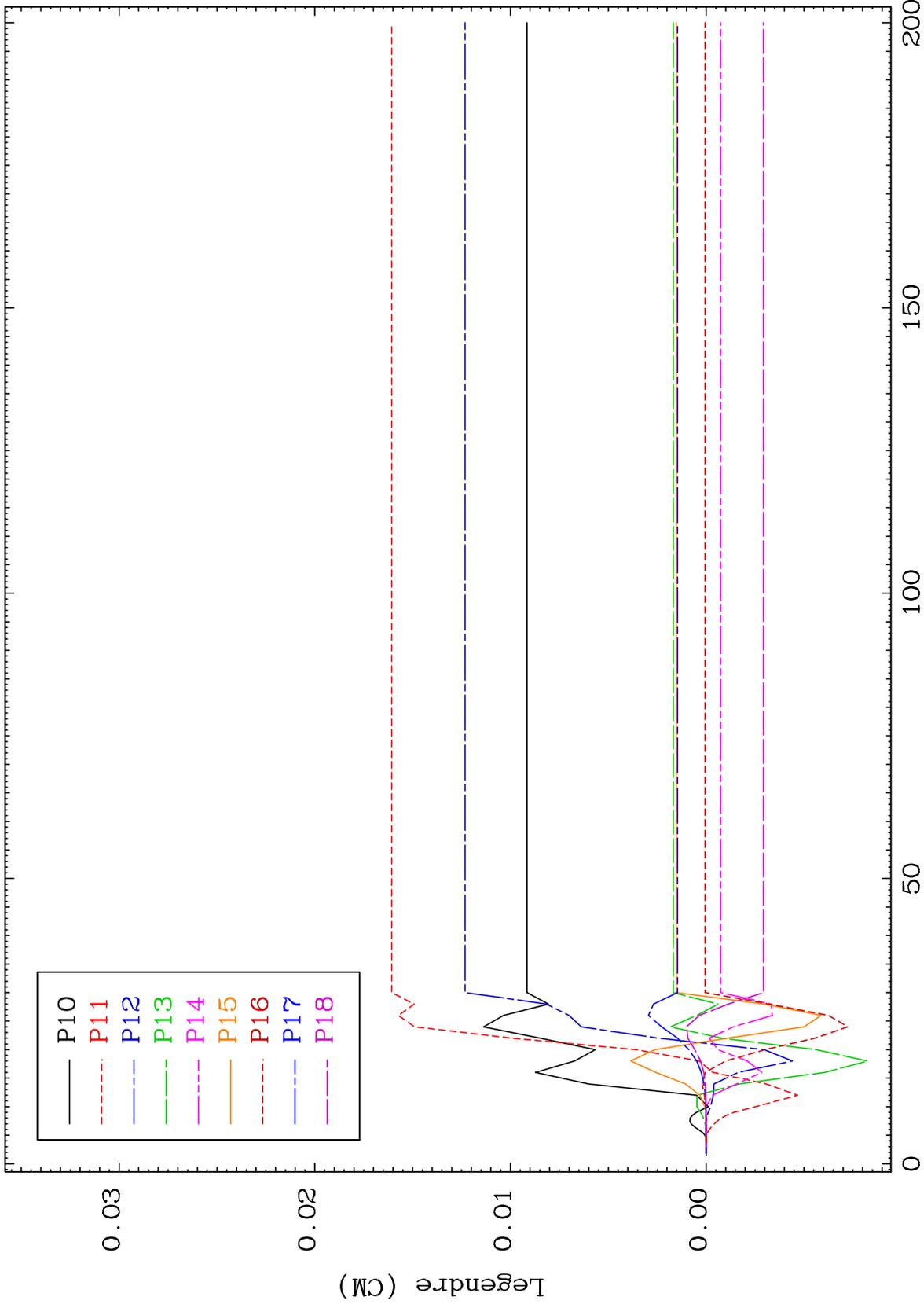
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MAT 6155

240.2 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



33

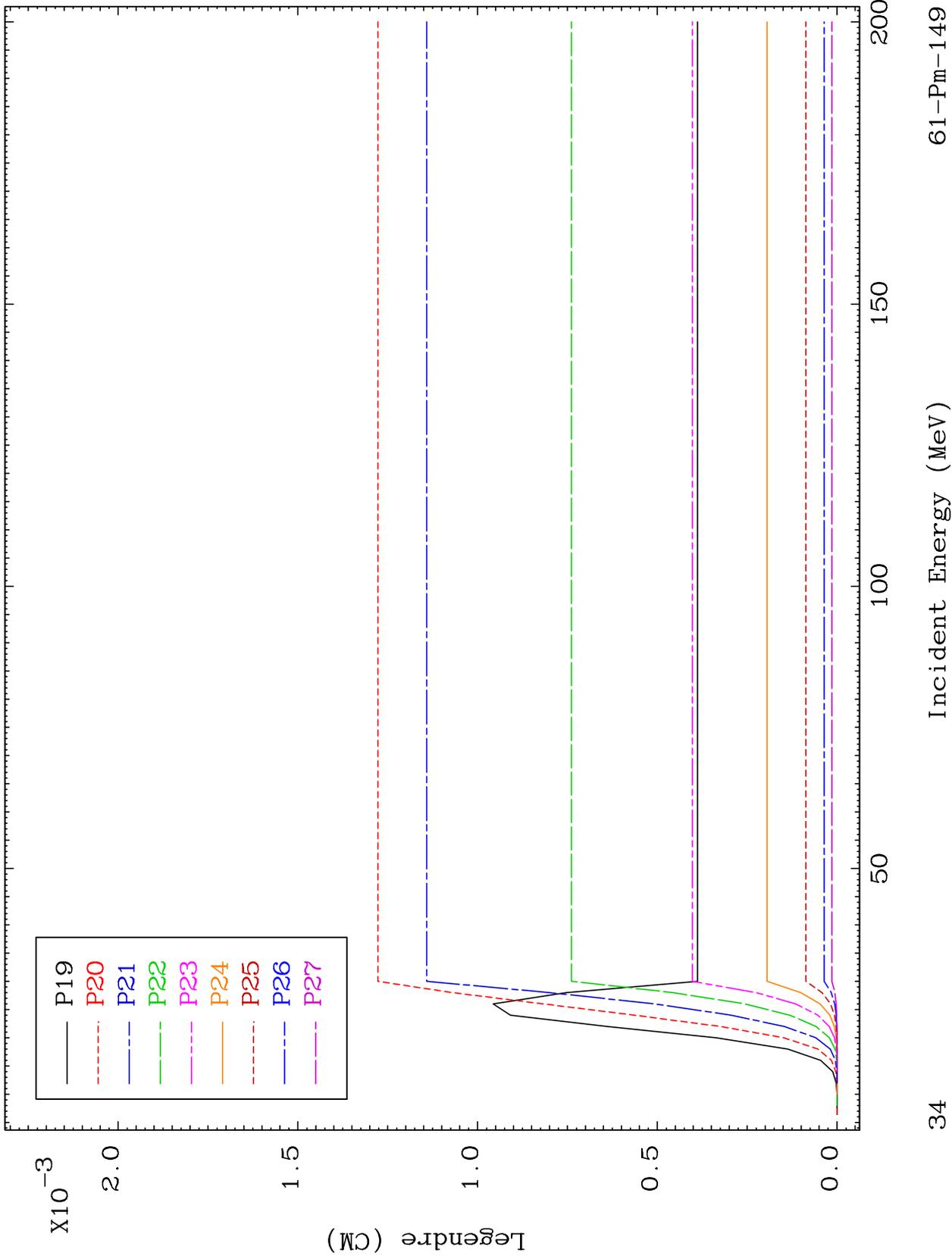
Incident Energy (MeV)

61-Pm-149

MAT 6155

240.2 keV (n,n') Level  
Legendre Coefficients

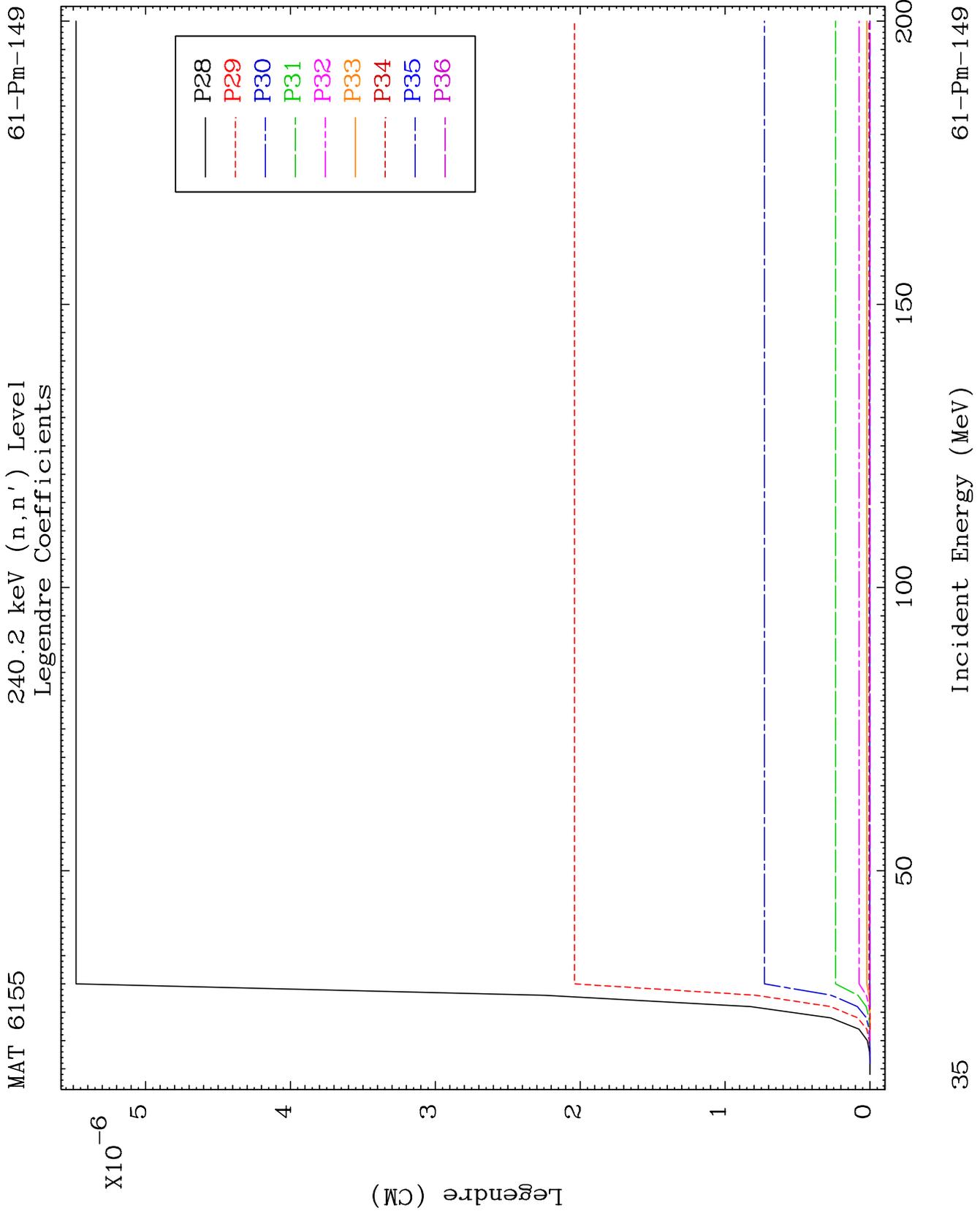
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34

Incident Energy (MeV)

61-Pm-149



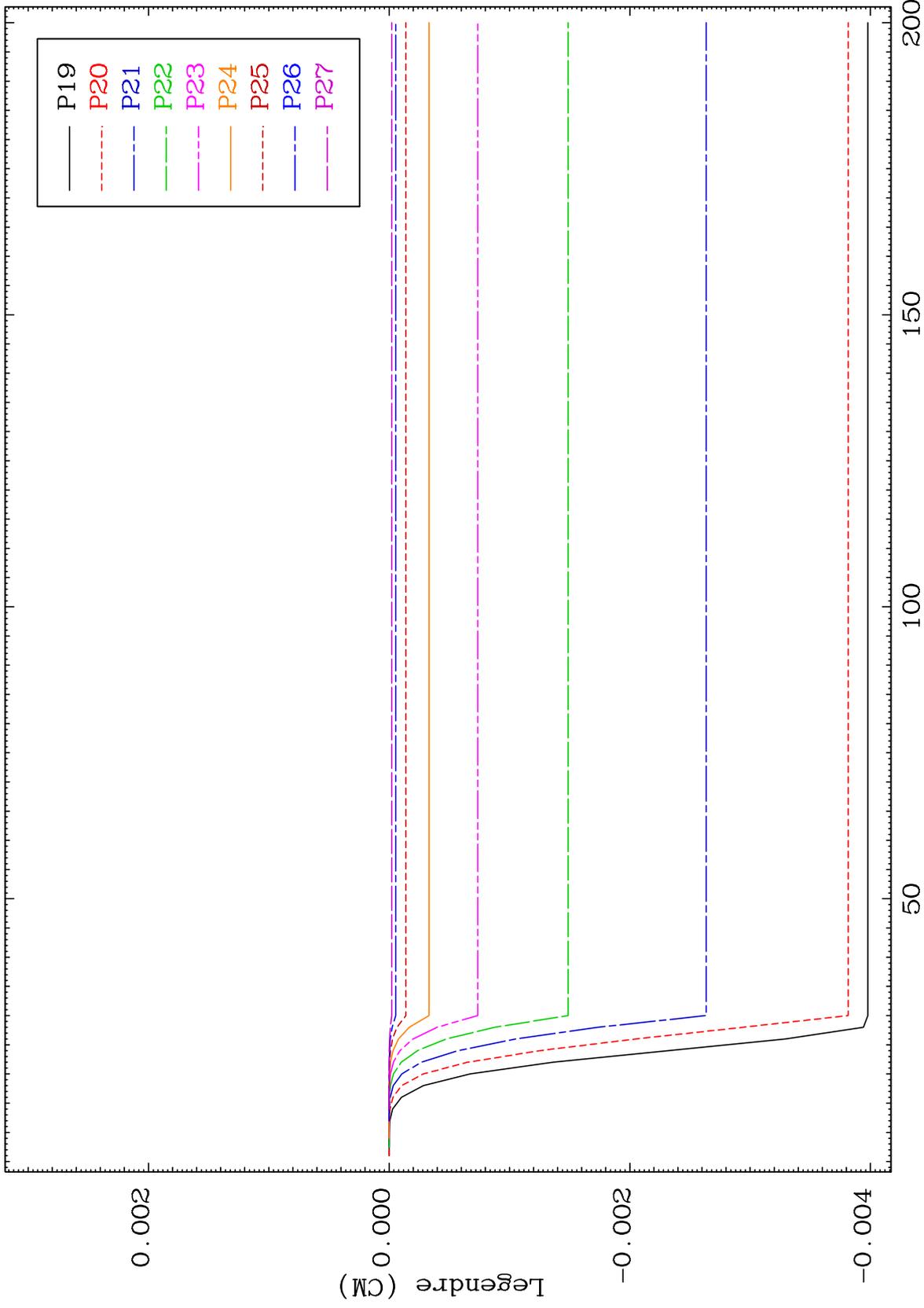




MAT 6155

270.2 keV (n,n') Level  
Legendre Coefficients

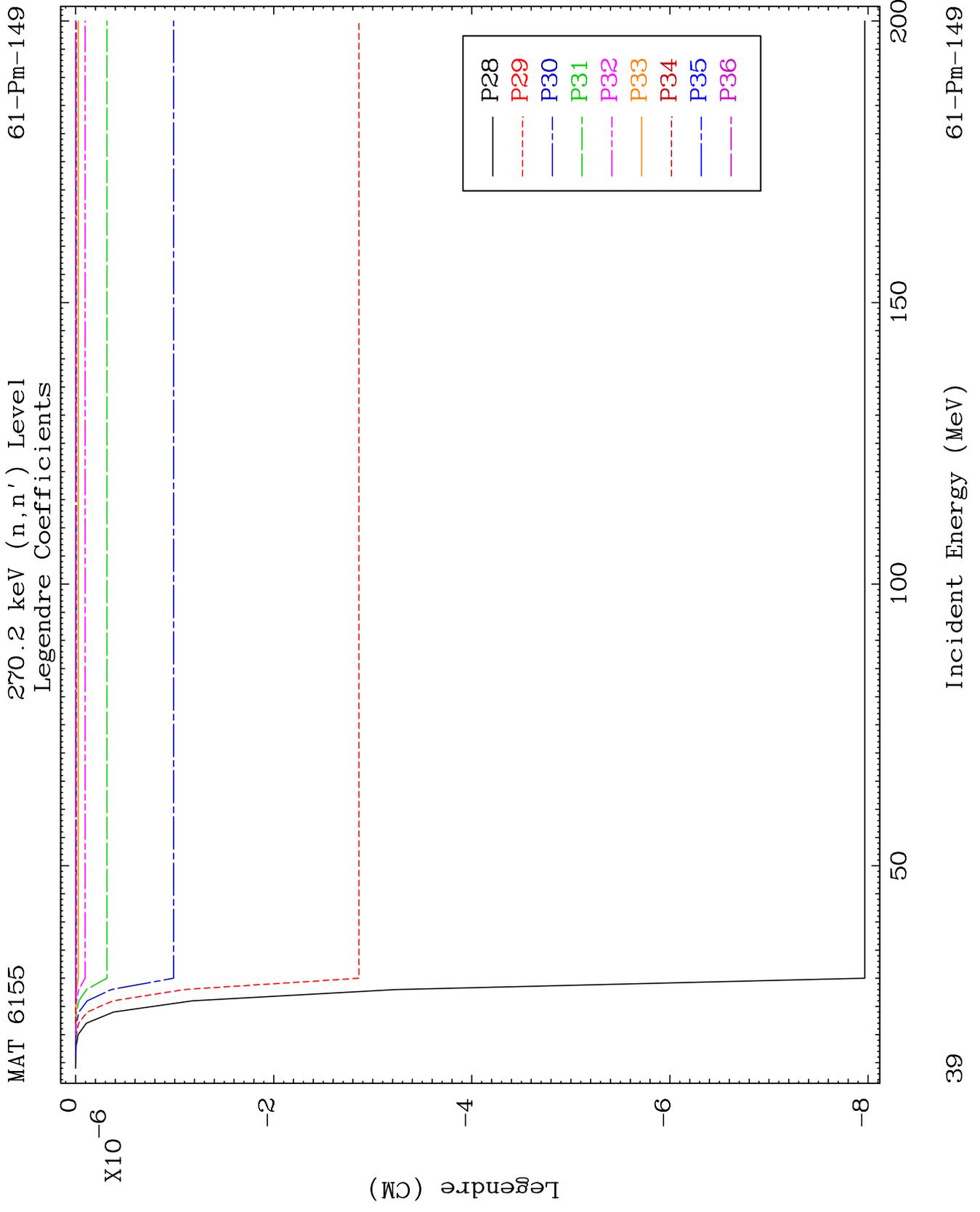
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38

Incident Energy (MeV)

61-Pm-149

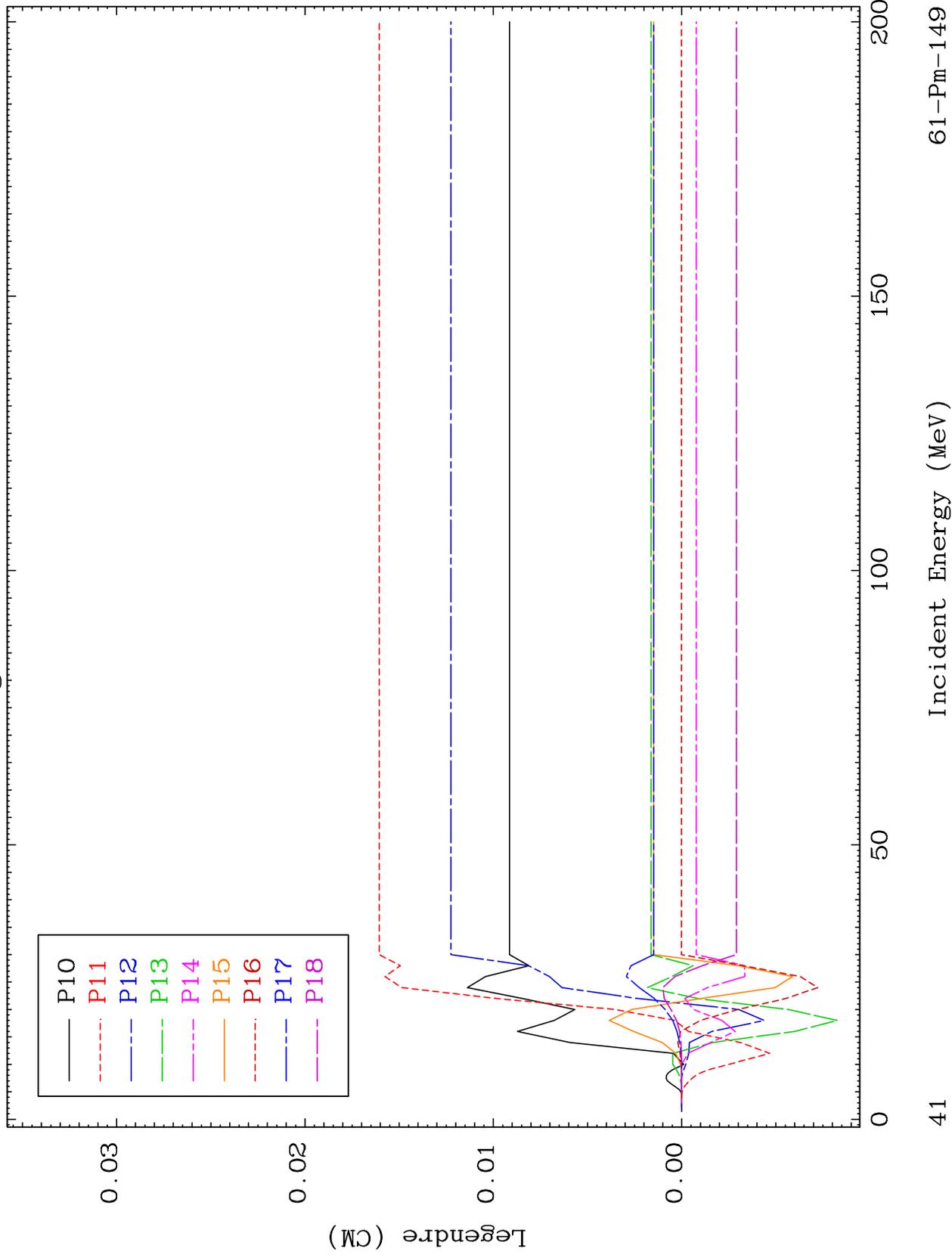




MAT 6155

288.2 keV (n,n') Level  
Legendre Coefficients

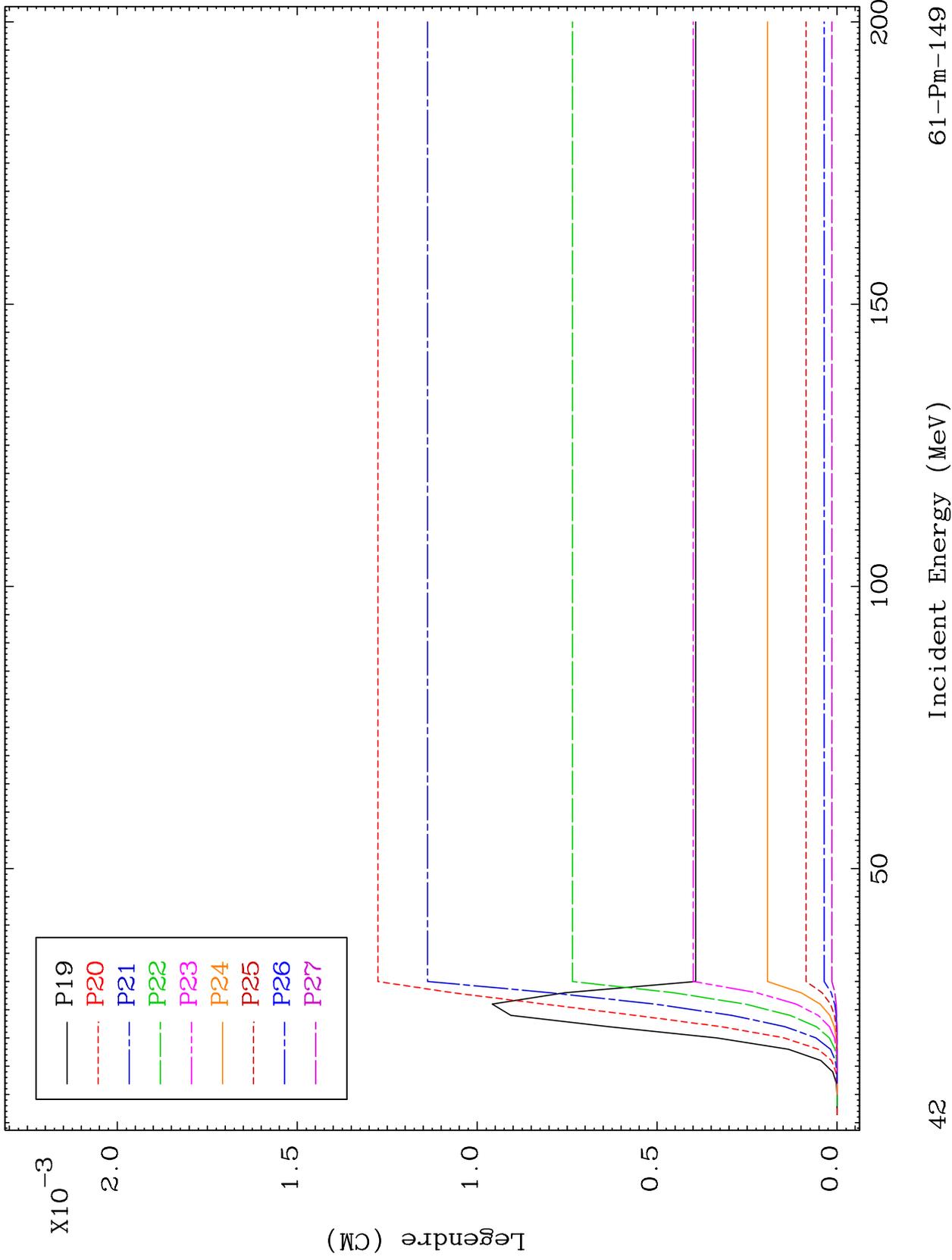
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MAT 6155

288.2 keV (n,n') Level  
Legendre Coefficients

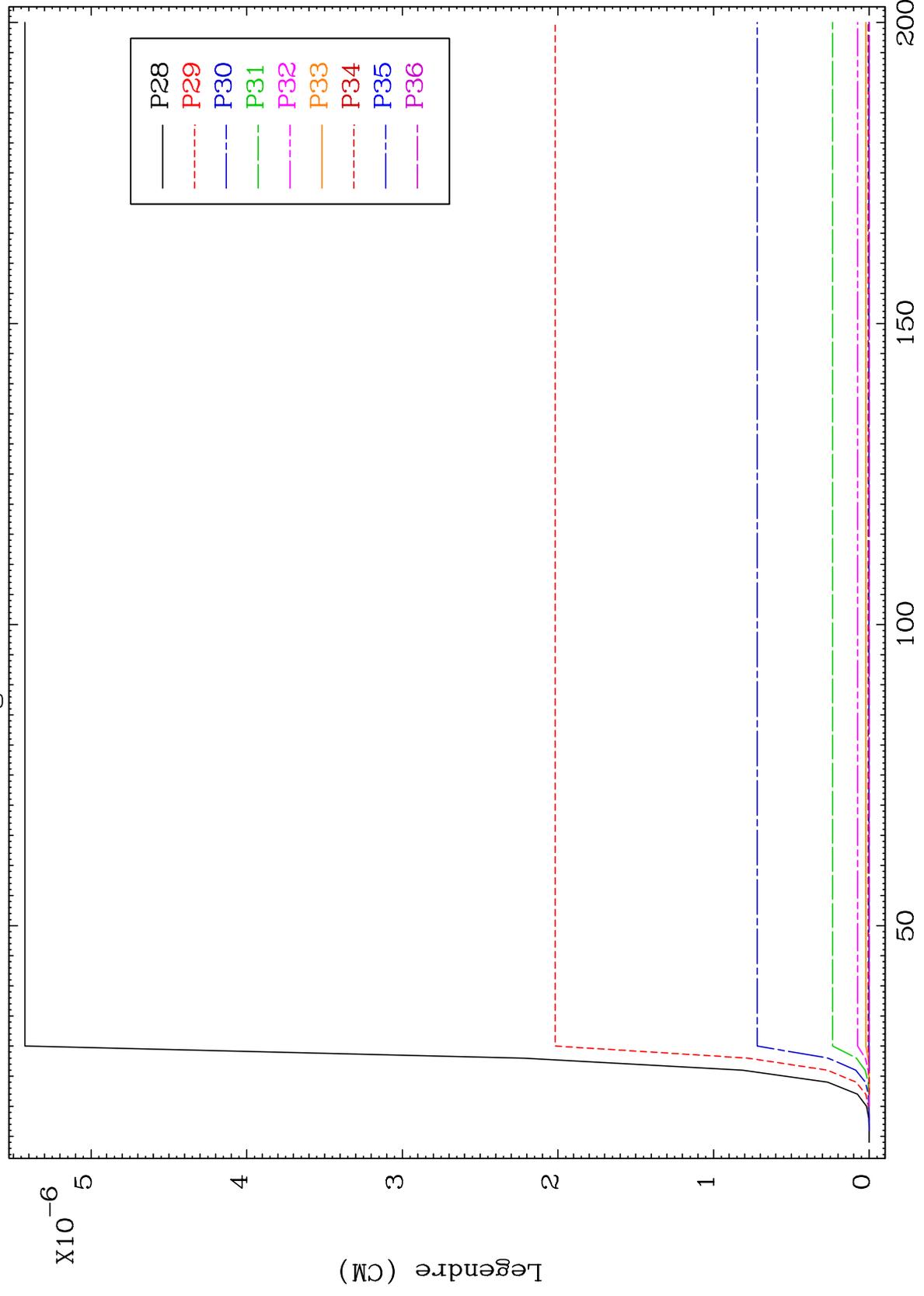
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MAT 6155

288.2 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



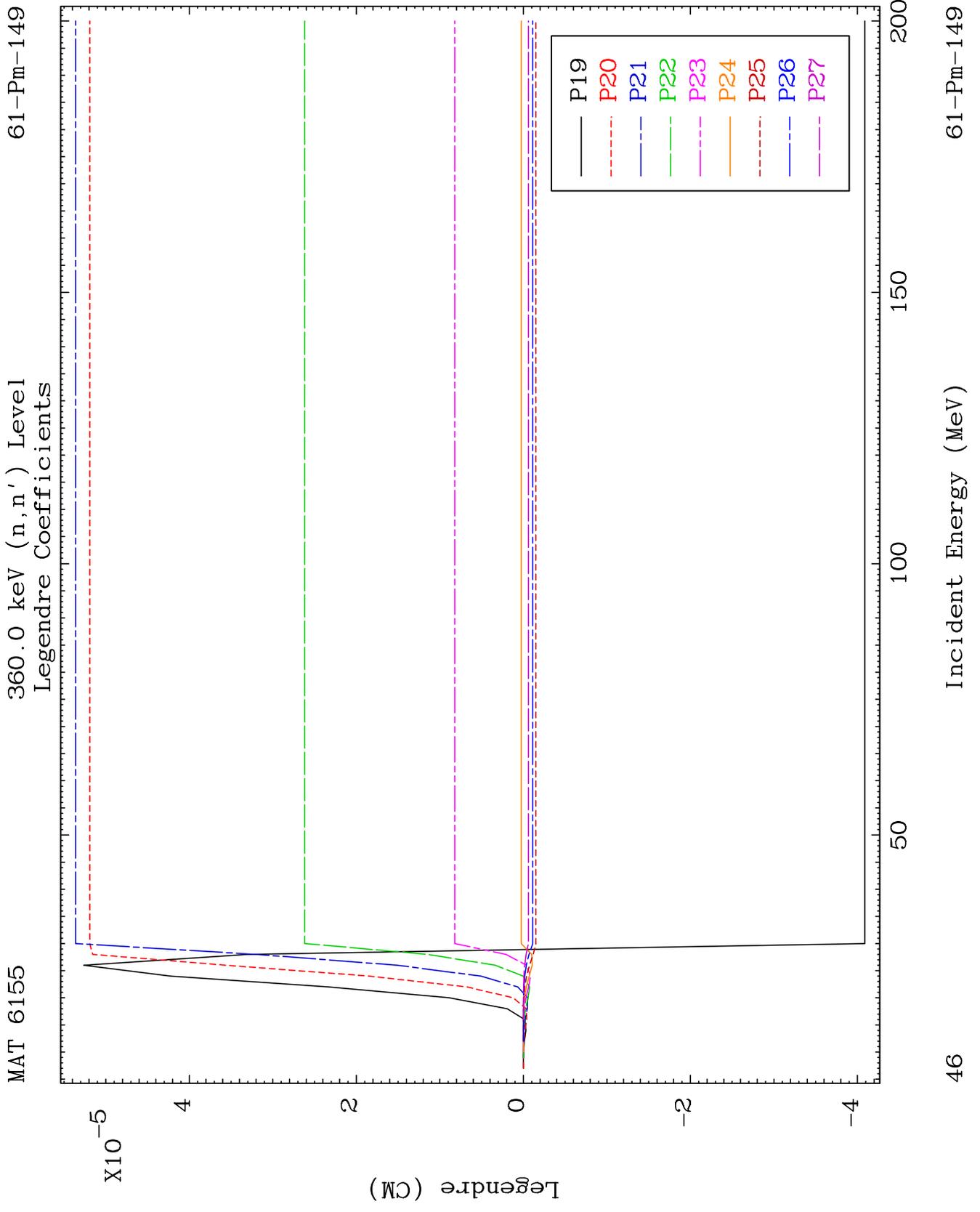
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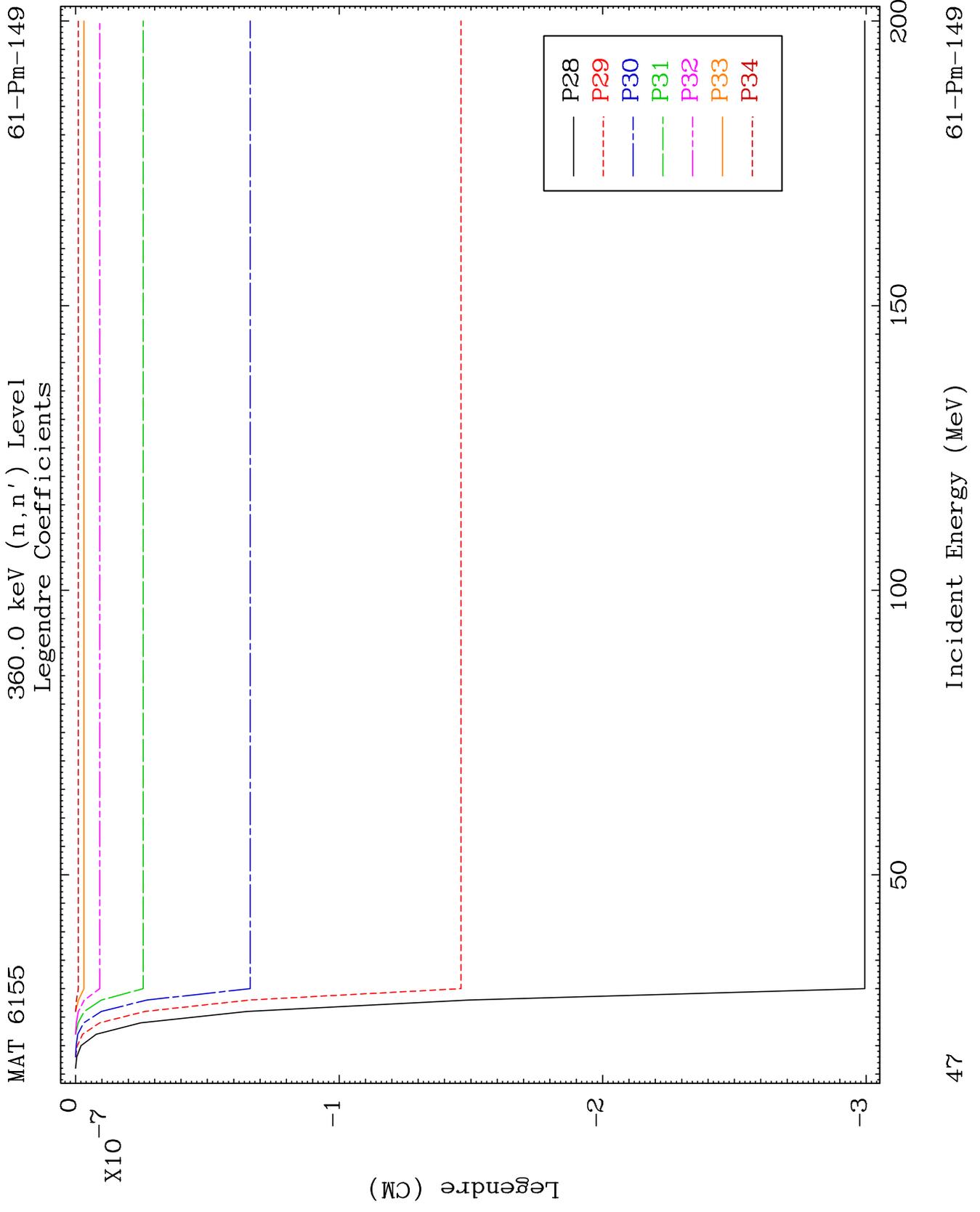
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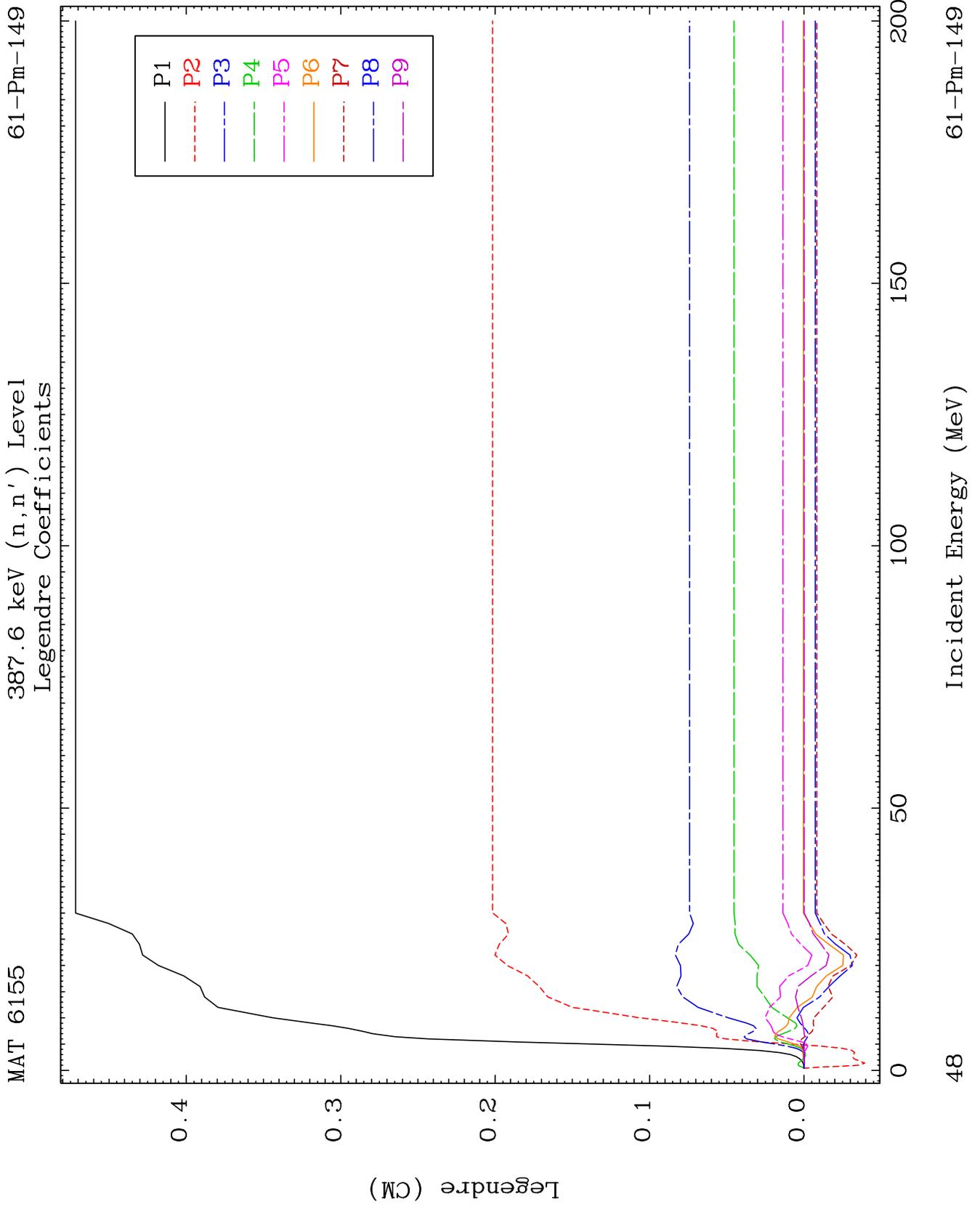
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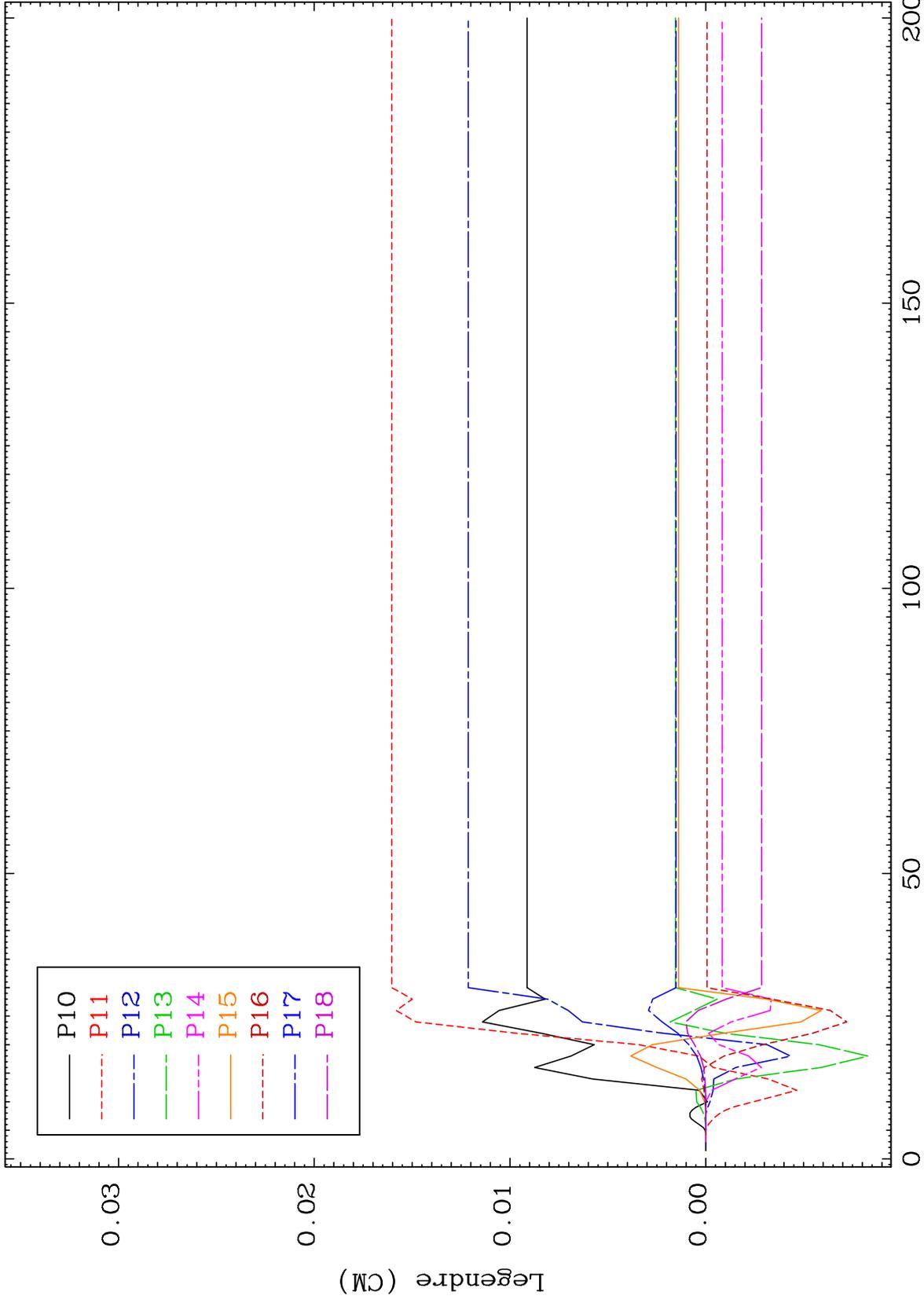




MAT 6155

387.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



49

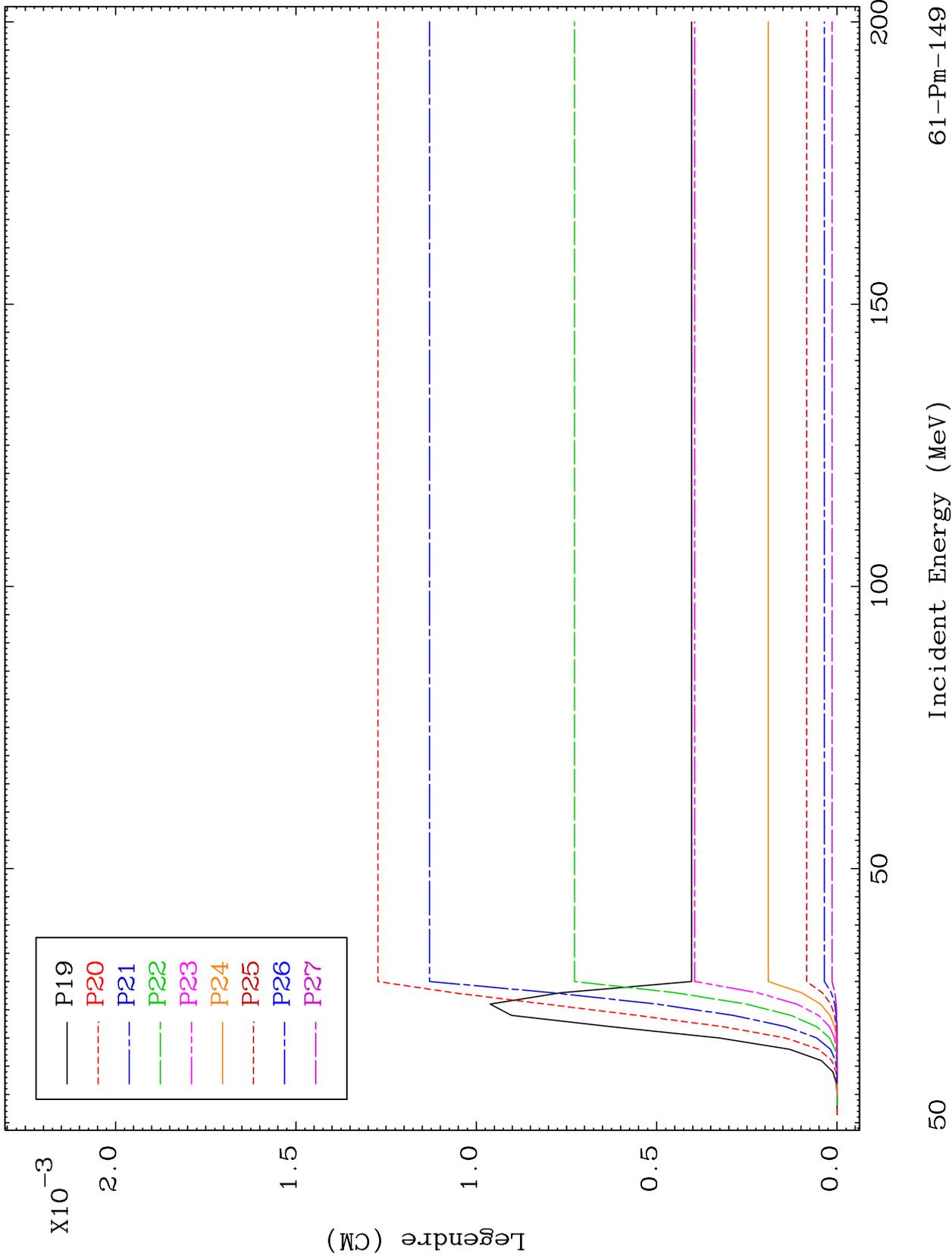
Incident Energy (MeV)

61-Pm-149

MAT 6155

387.6 keV (n,n') Level  
Legendre Coefficients

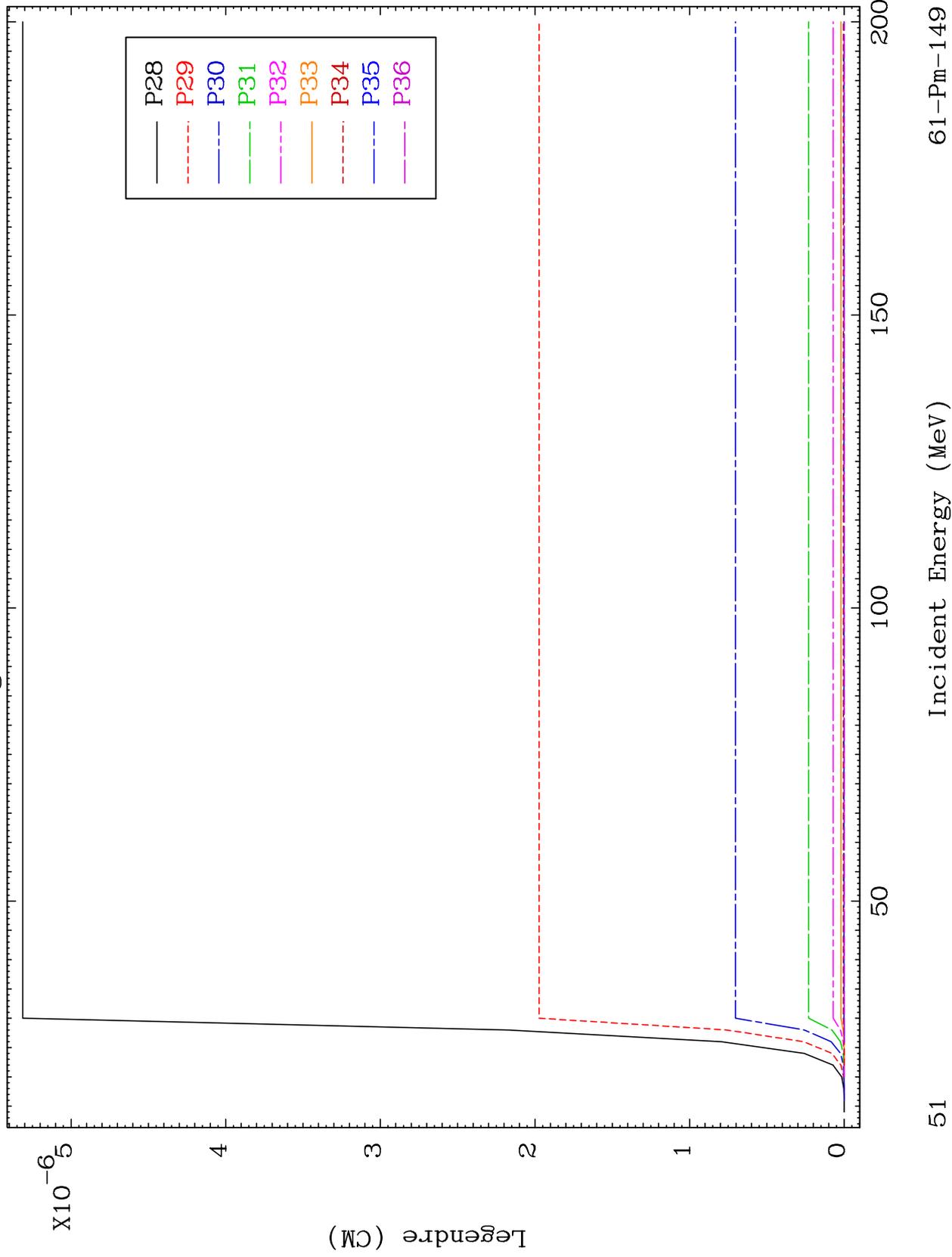
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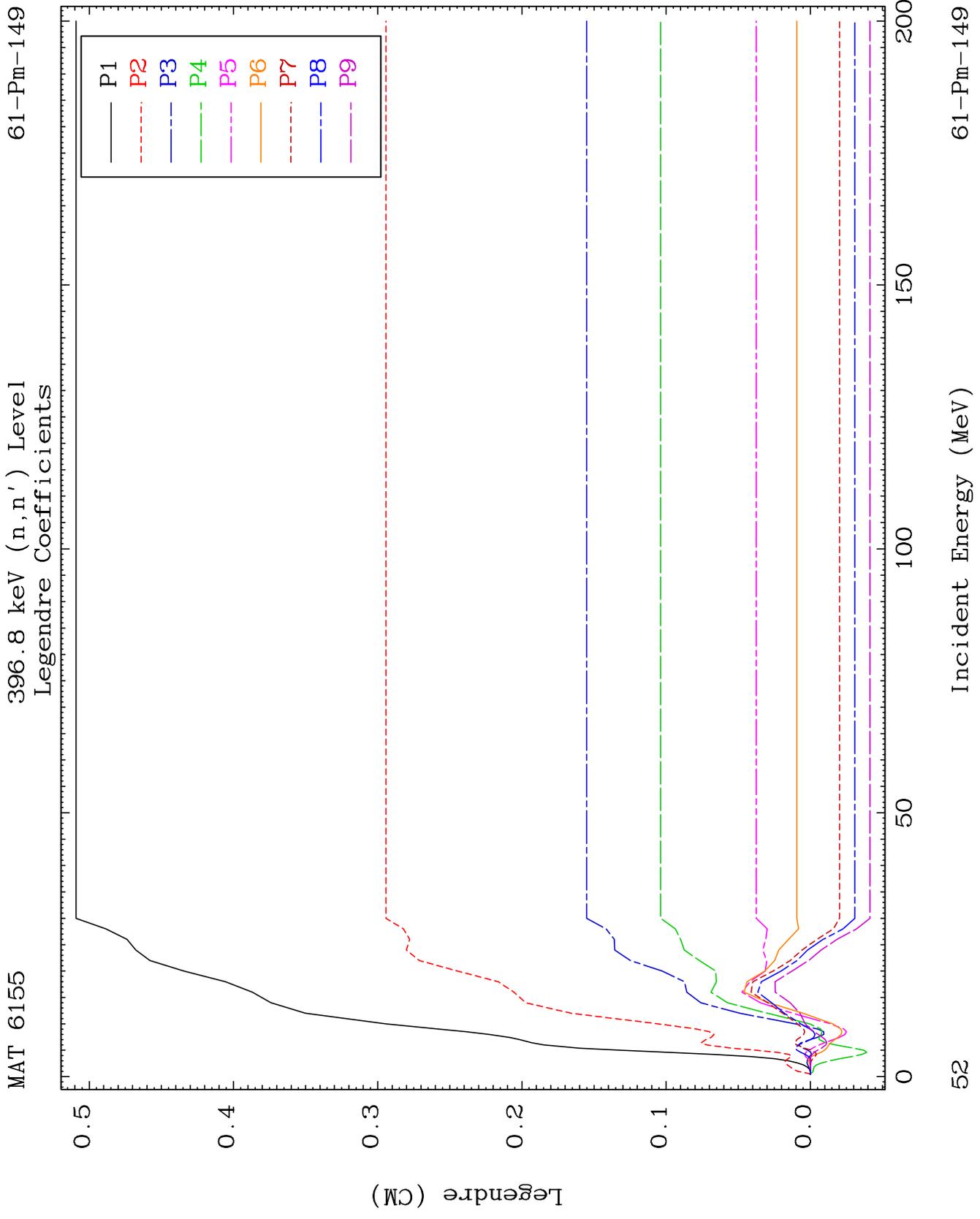


MAT 6155

387.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



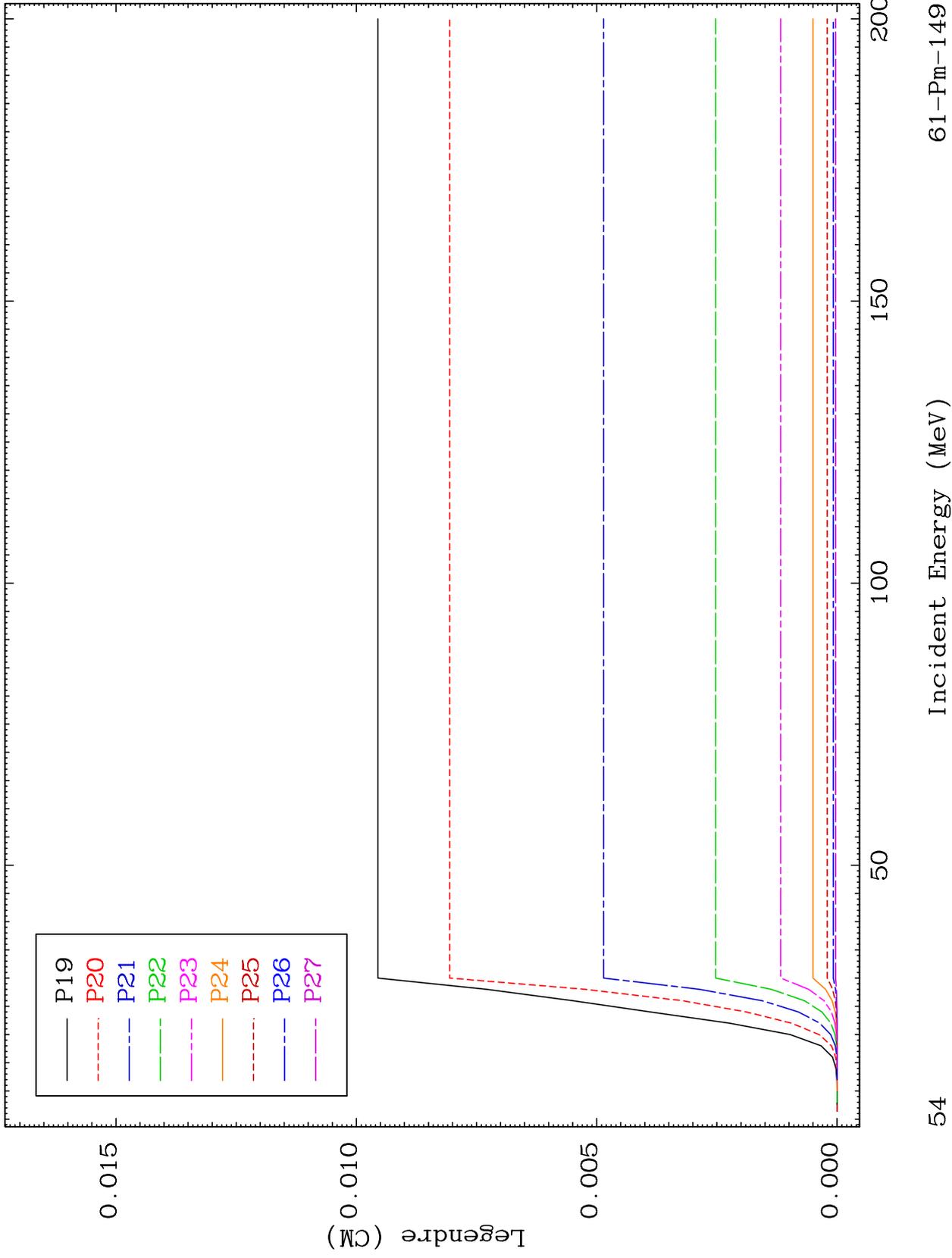




MAT 6155

396.8 keV (n,n') Level  
Legendre Coefficients

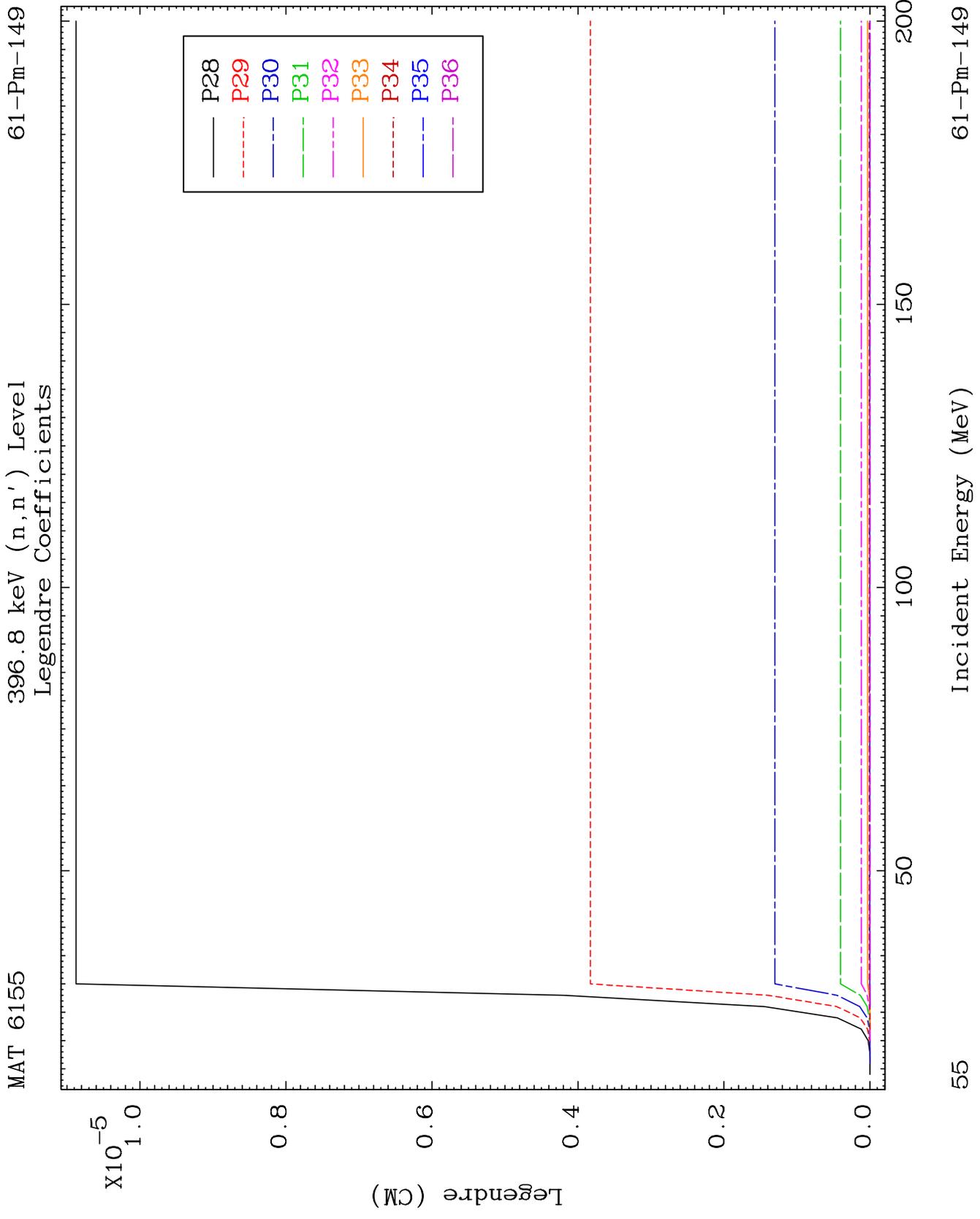
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61-Pm-149

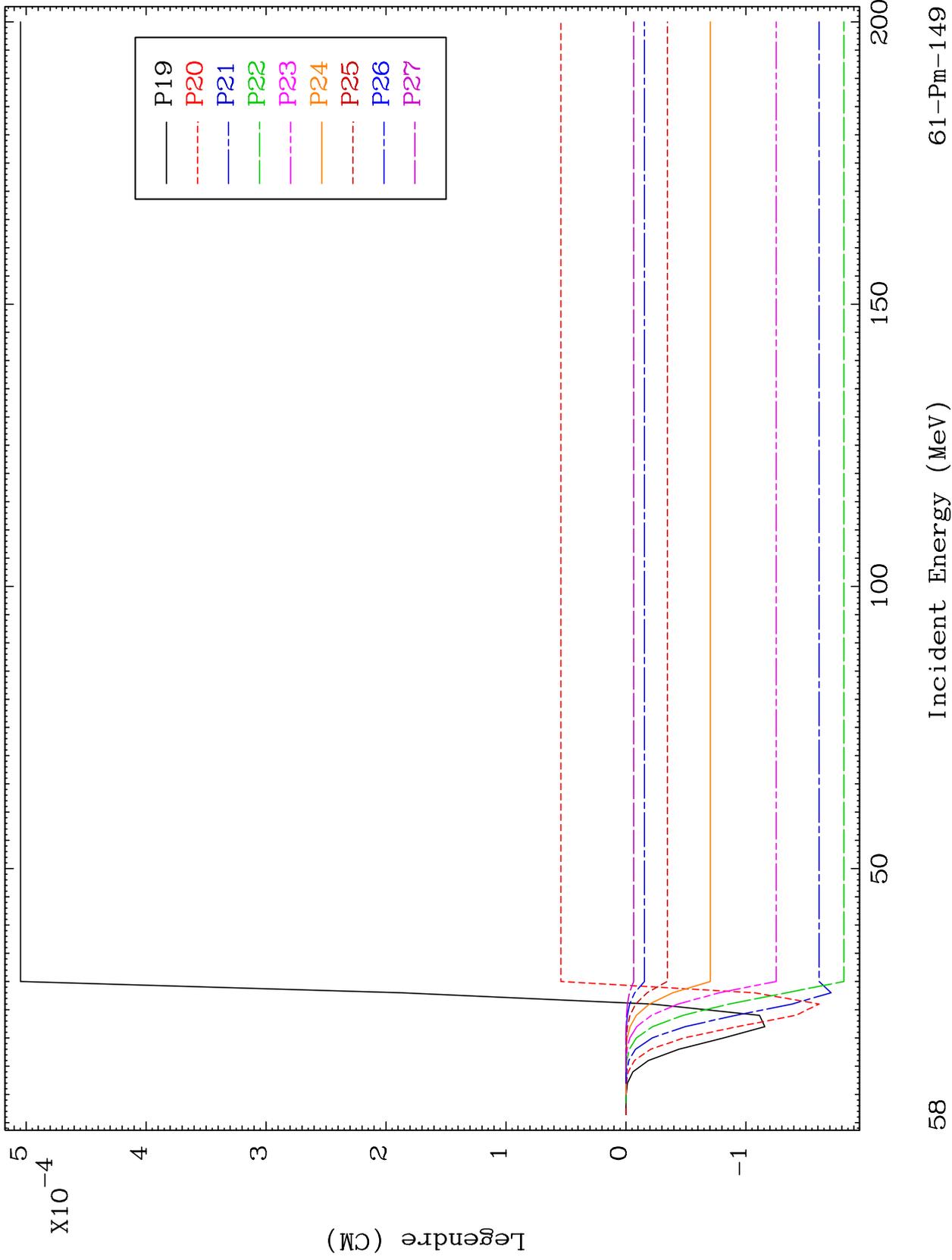
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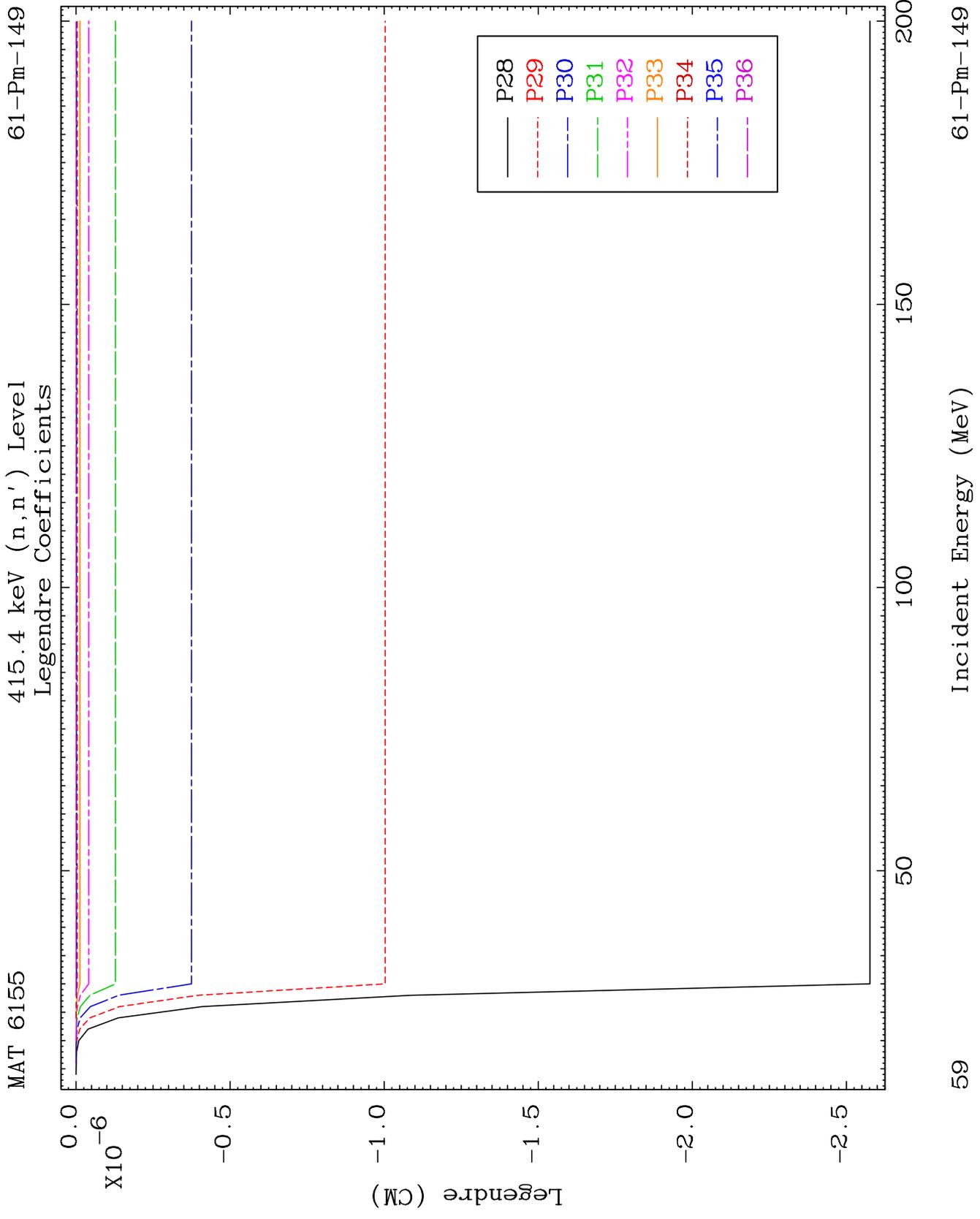
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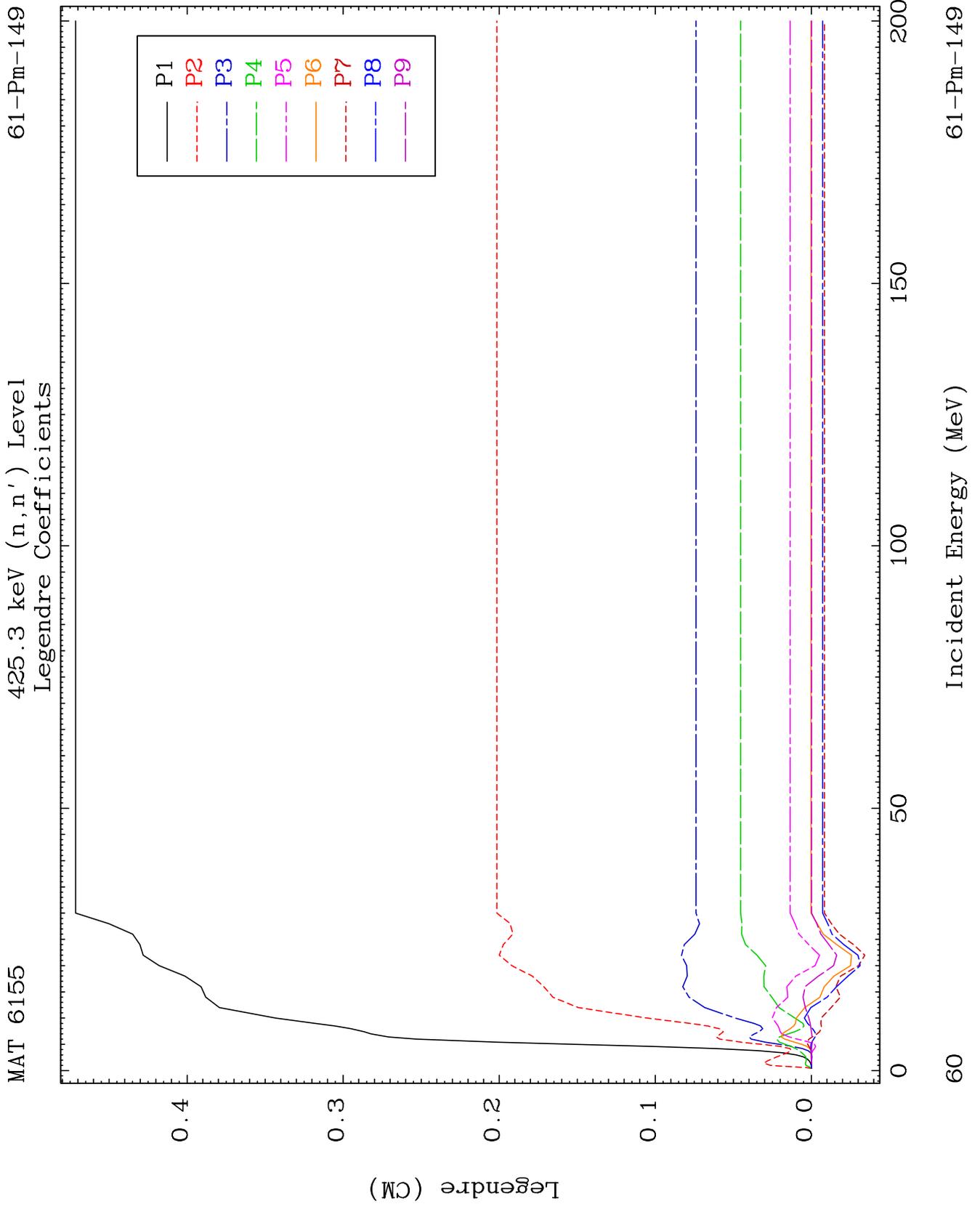








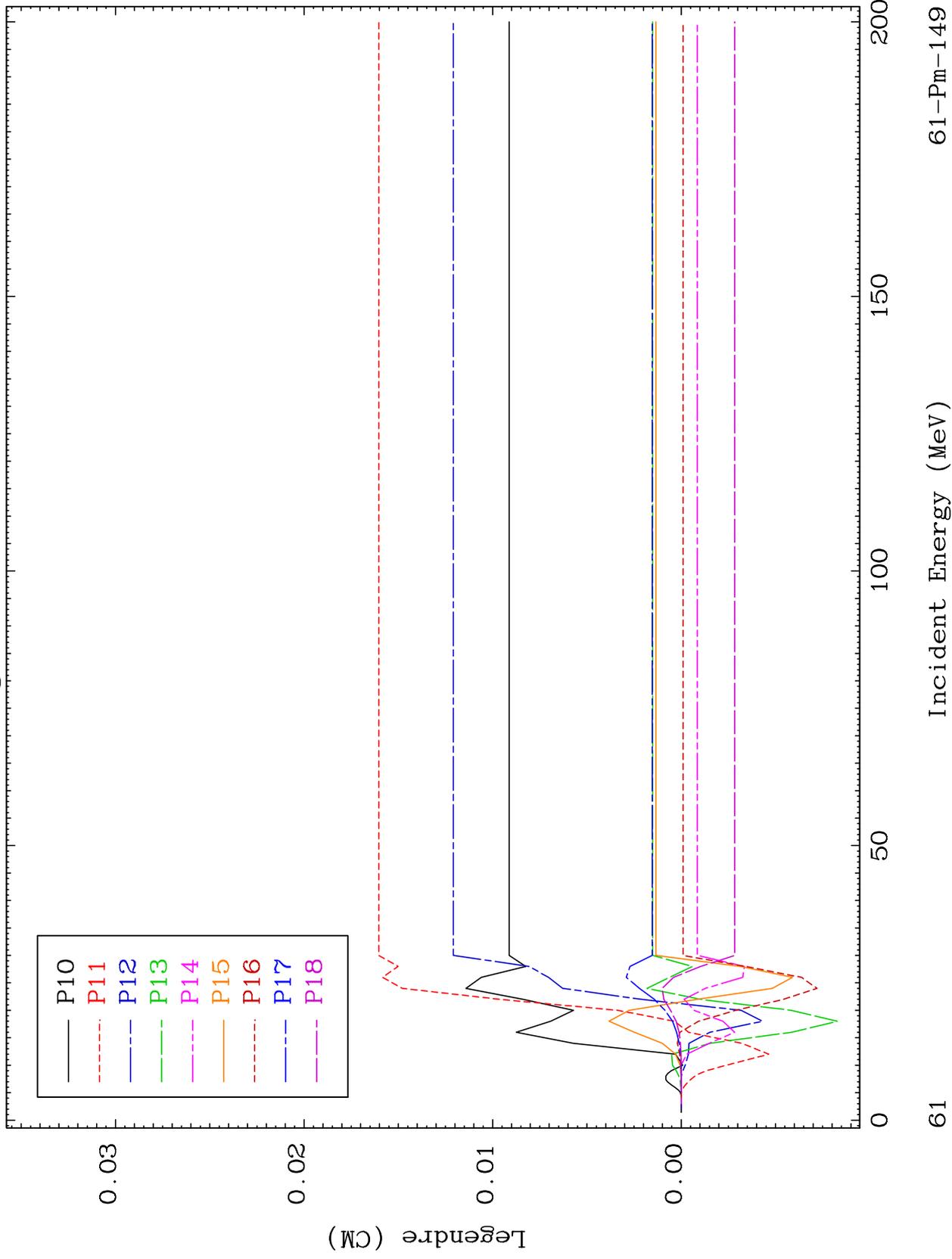




MAT 6155

425.3 keV (n,n') Level  
Legendre Coefficients

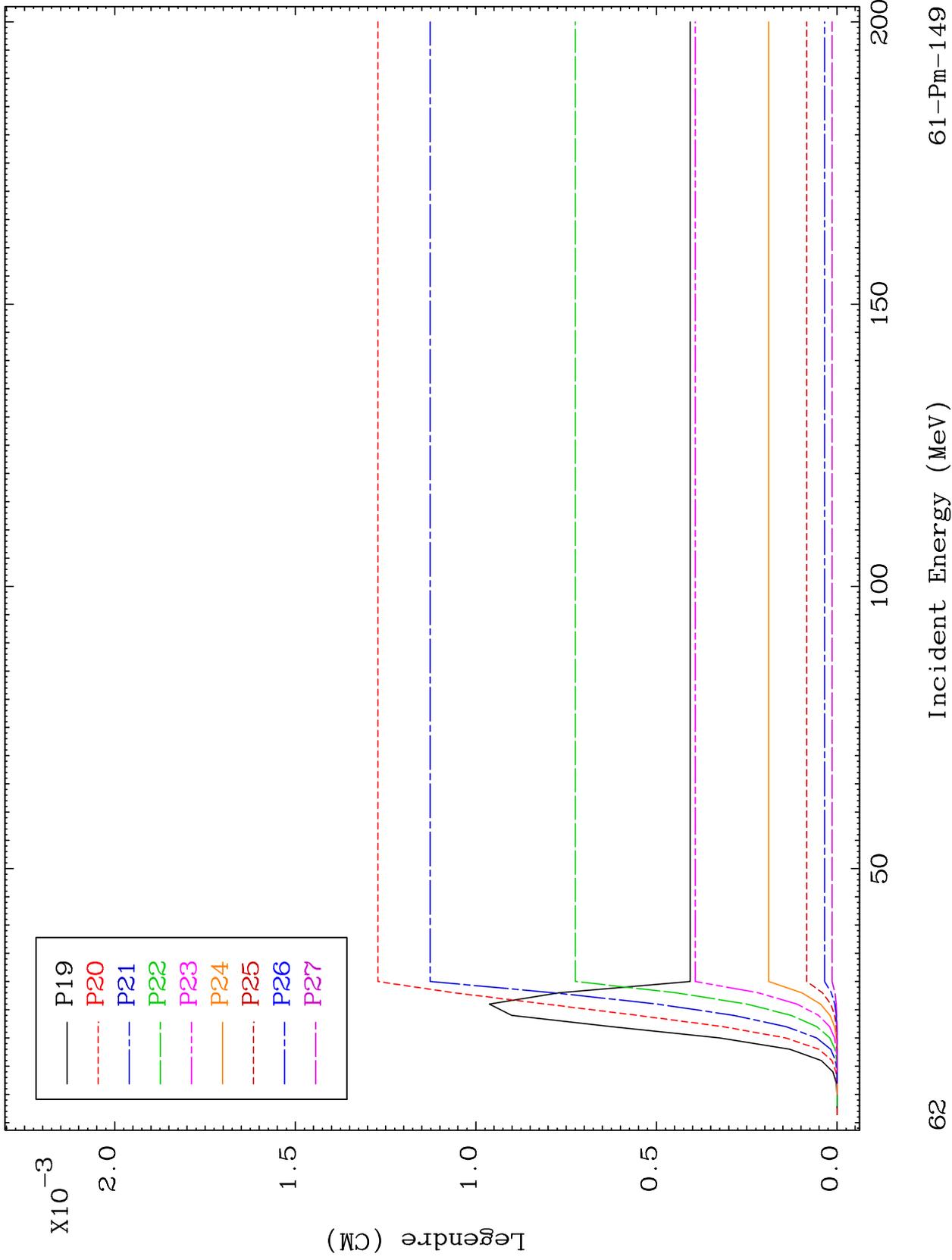
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61-Pm-149

Incident Energy (MeV)

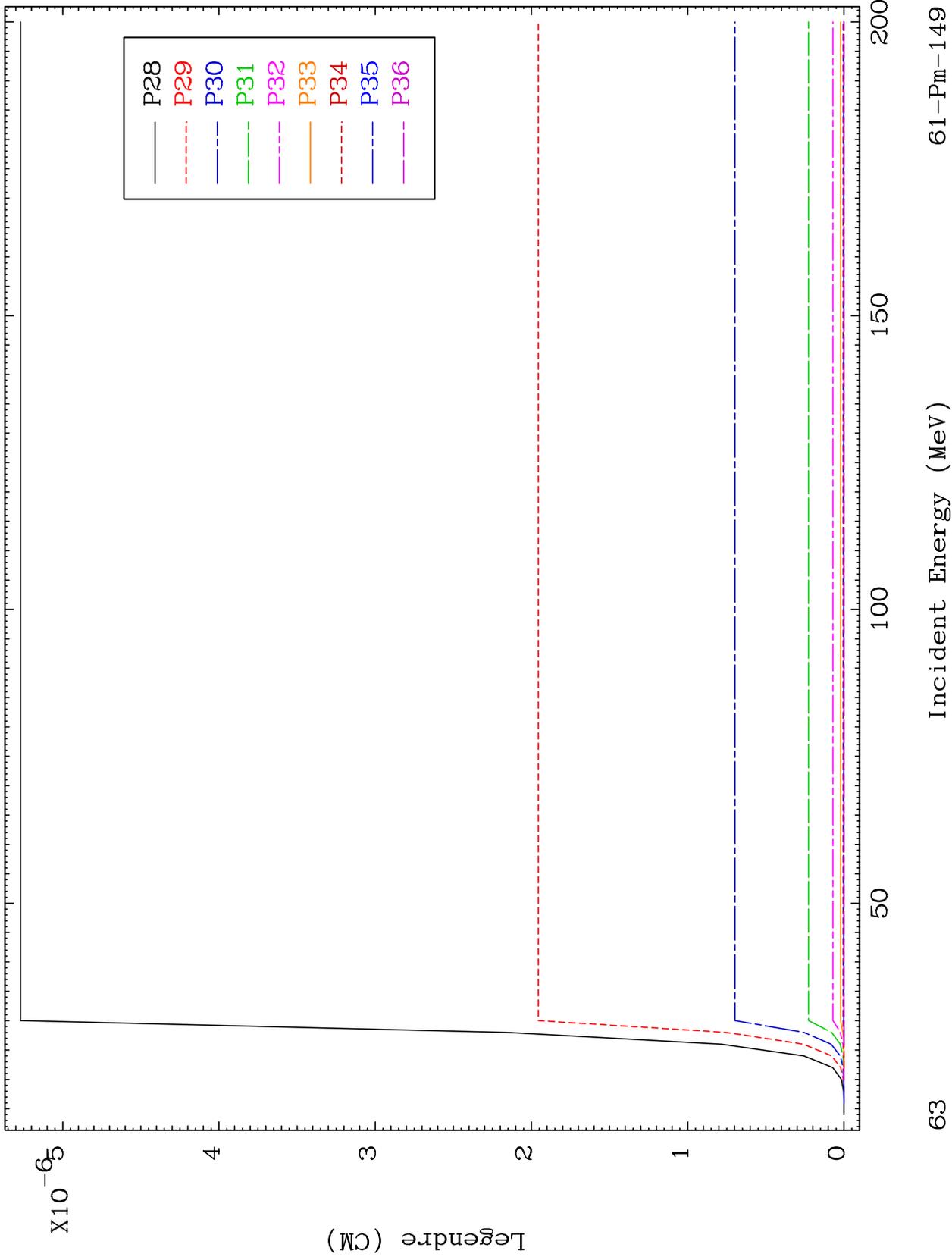
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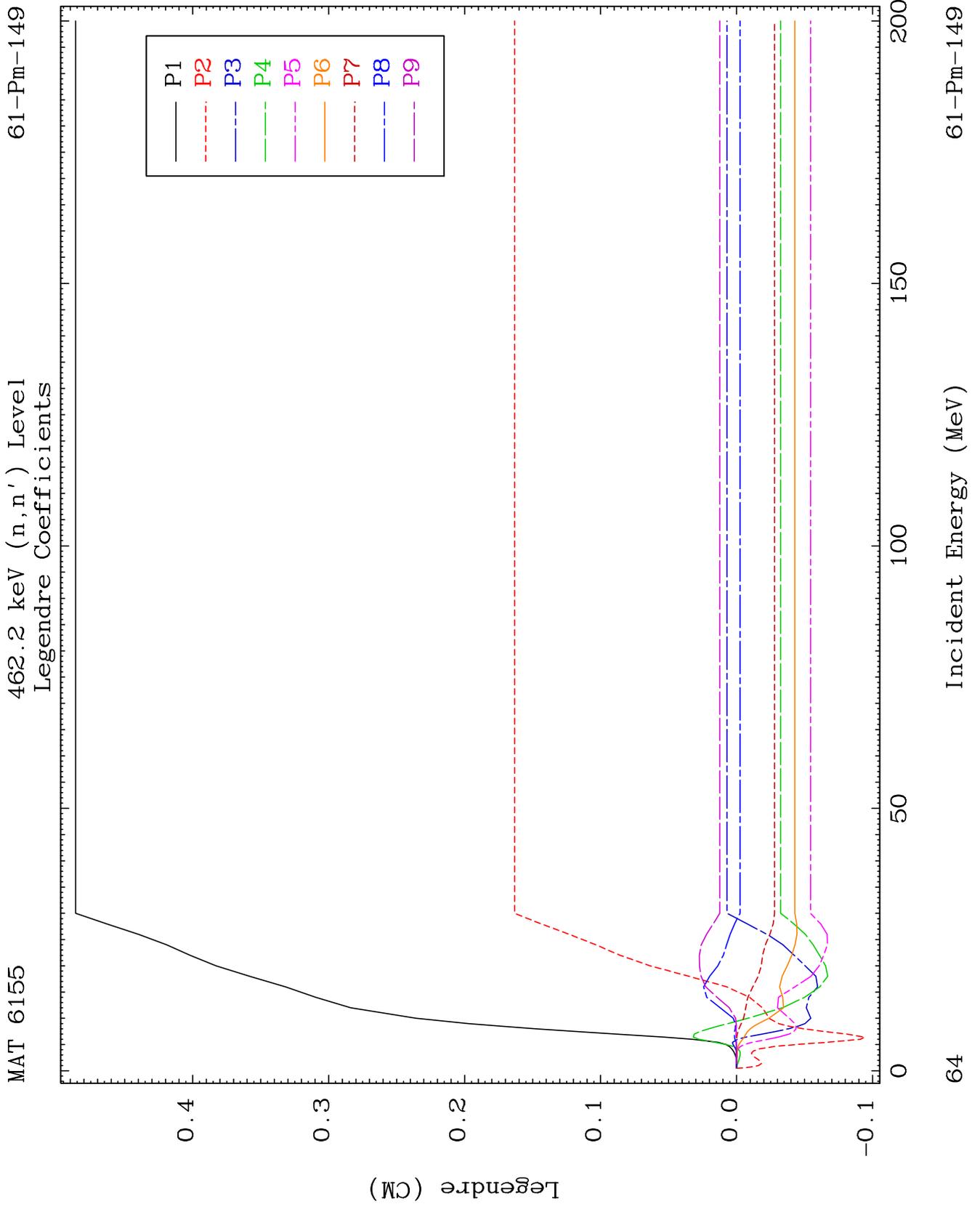


MAT 6155

425.3 keV (n, n') Level  
Legendre Coefficients

61-Pm-149

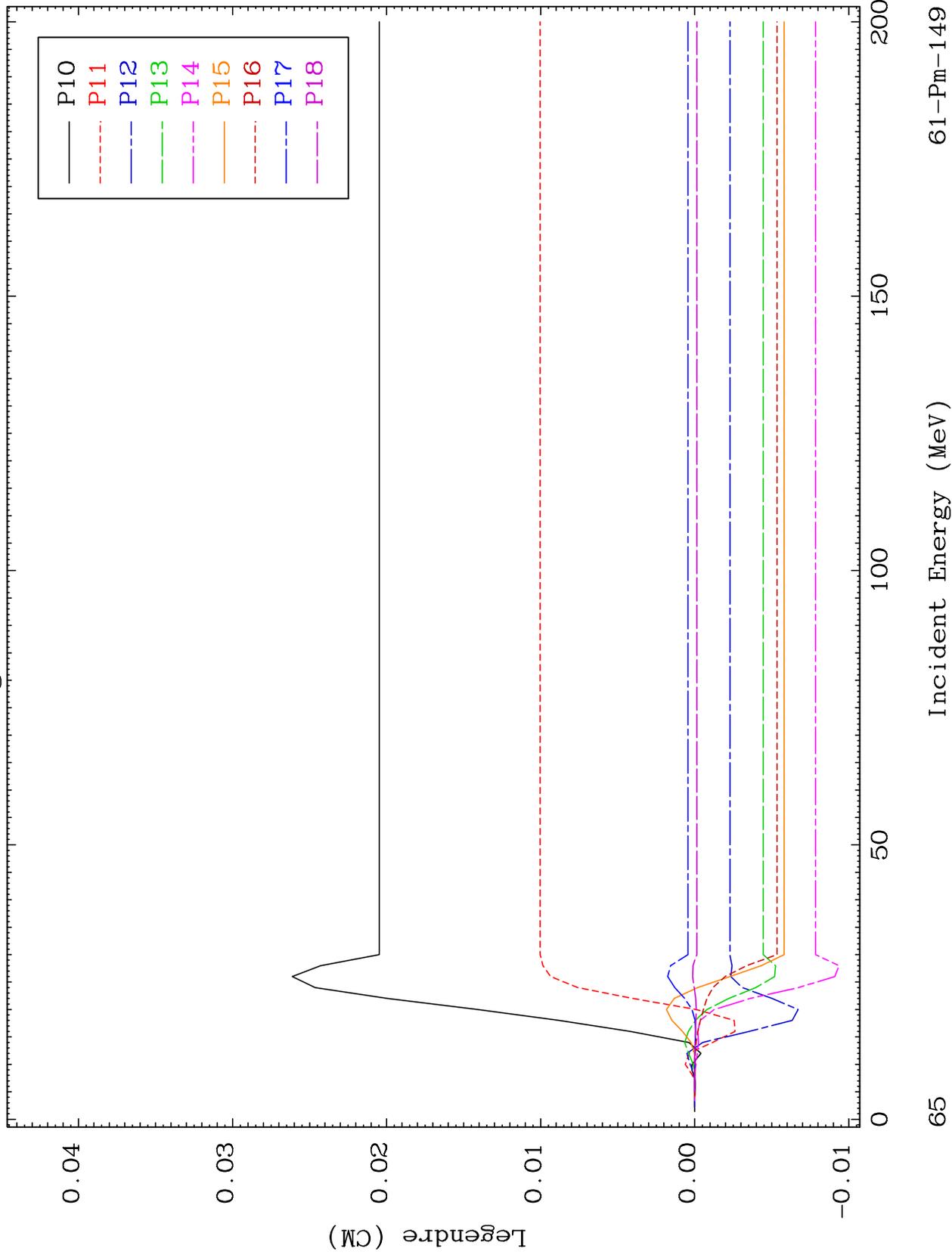




MAT 6155

462.2 keV (n,n') Level  
Legendre Coefficients

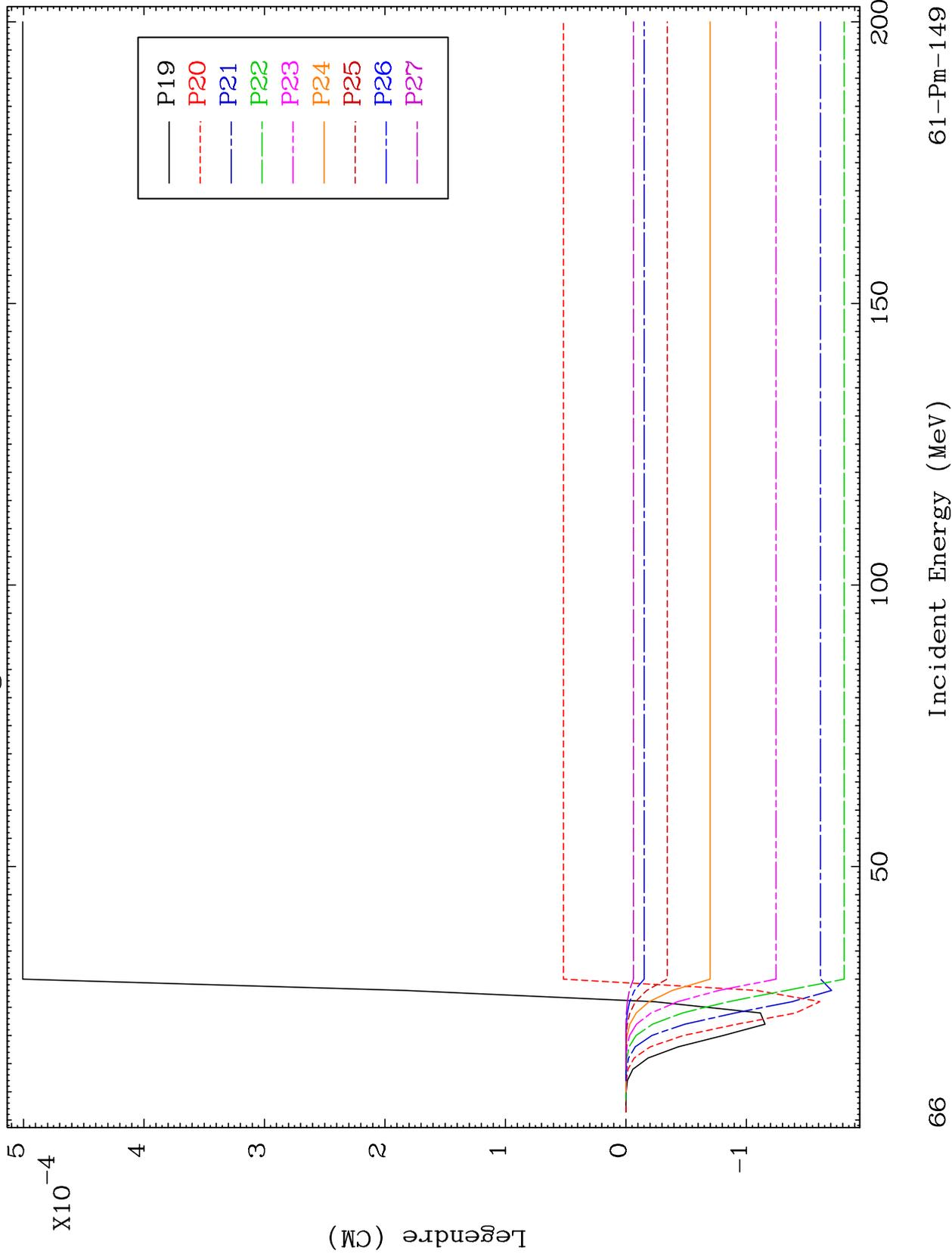
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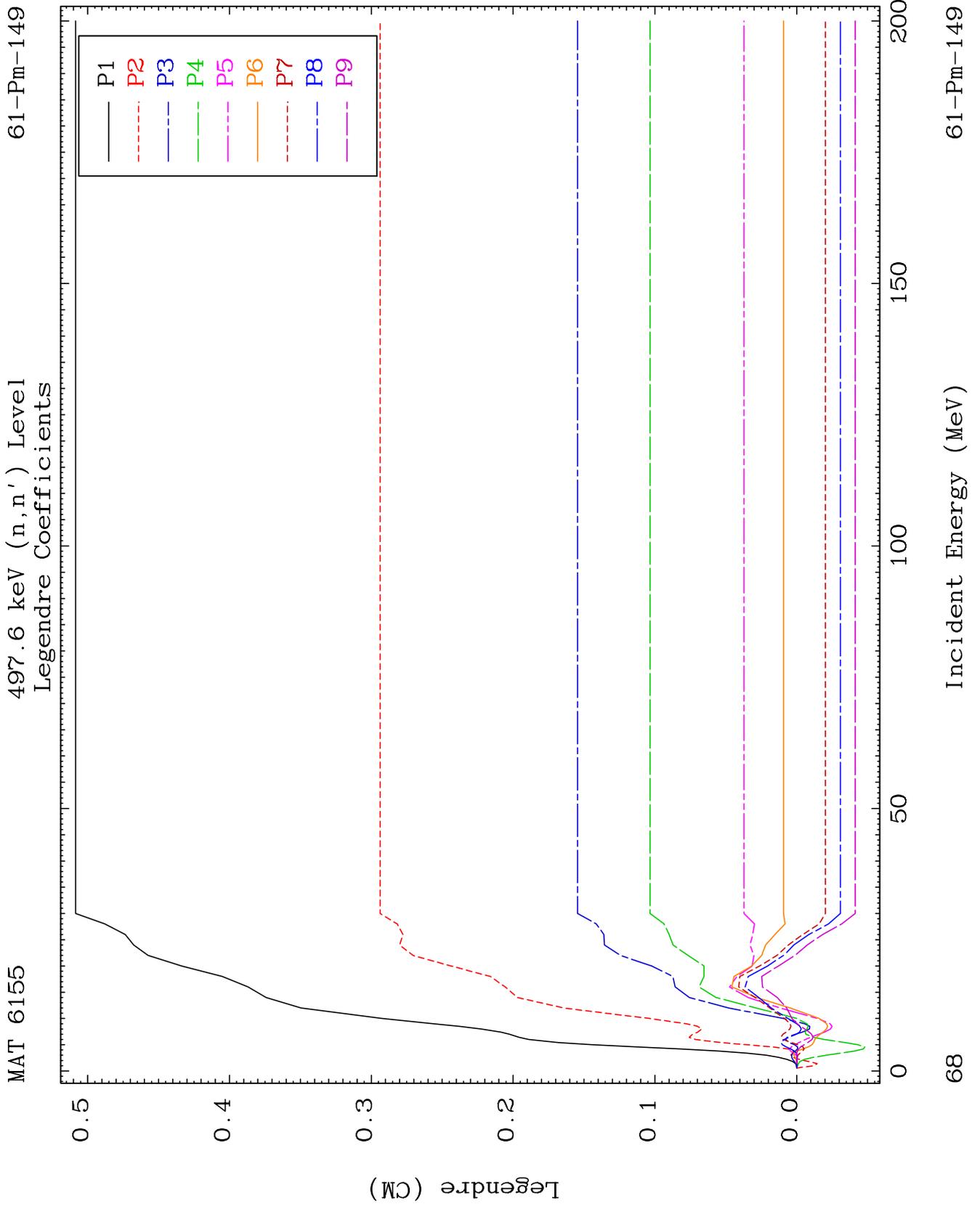
61-Pm-149

Incident Energy (MeV)

65



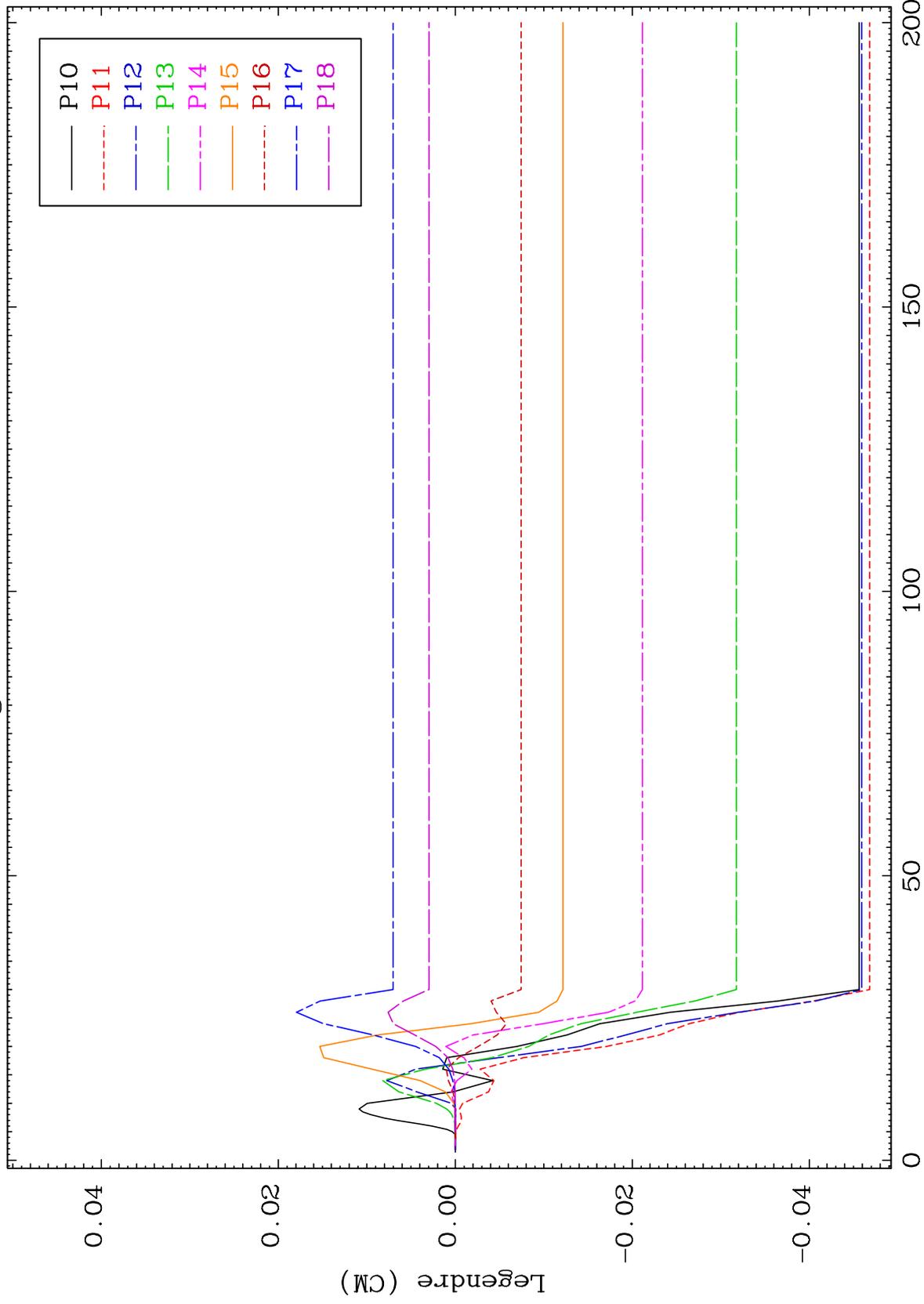




MAT 6155

497.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



69

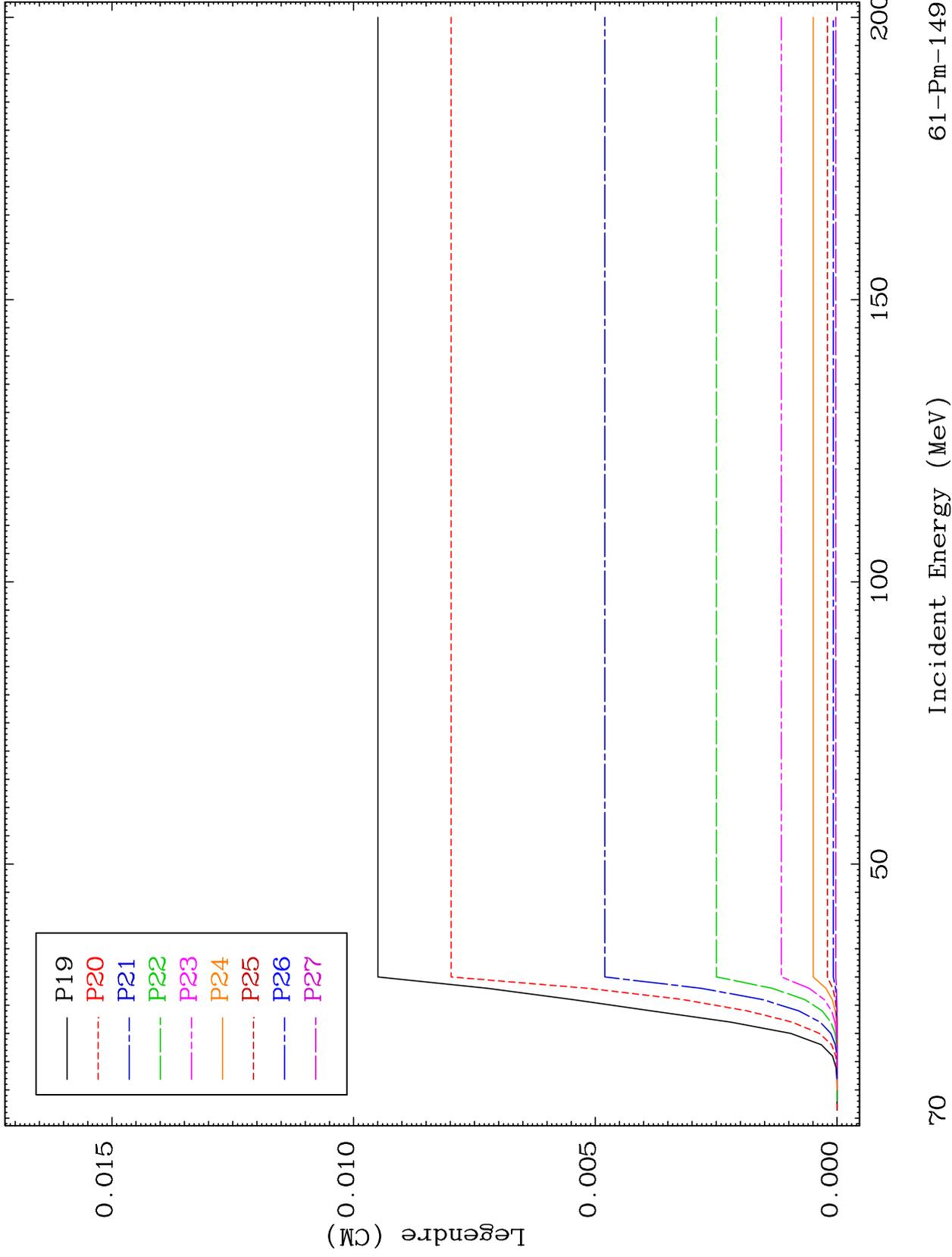
Incident Energy (MeV)

61-Pm-149

MAT 6155

497.6 keV (n,n') Level  
Legendre Coefficients

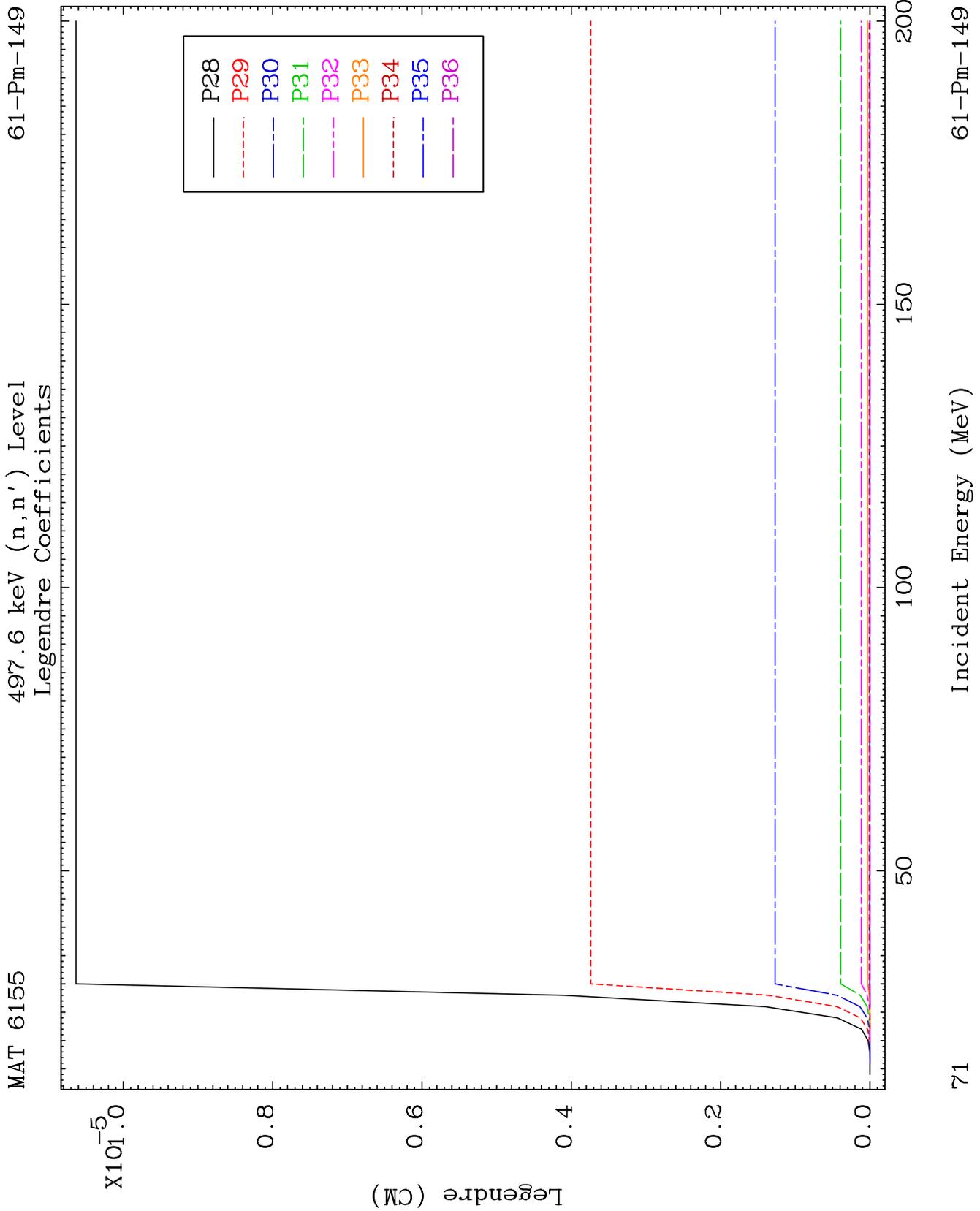
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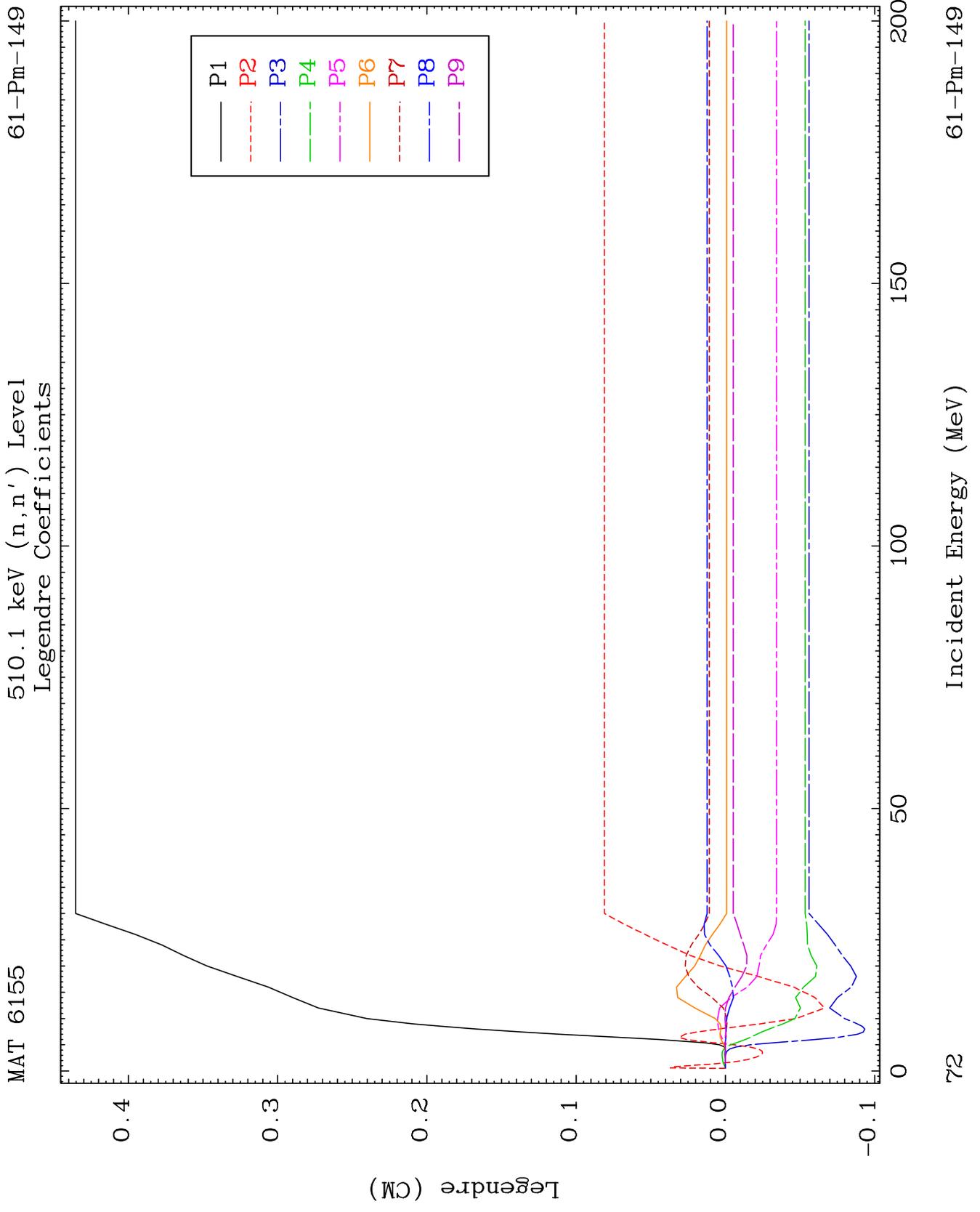


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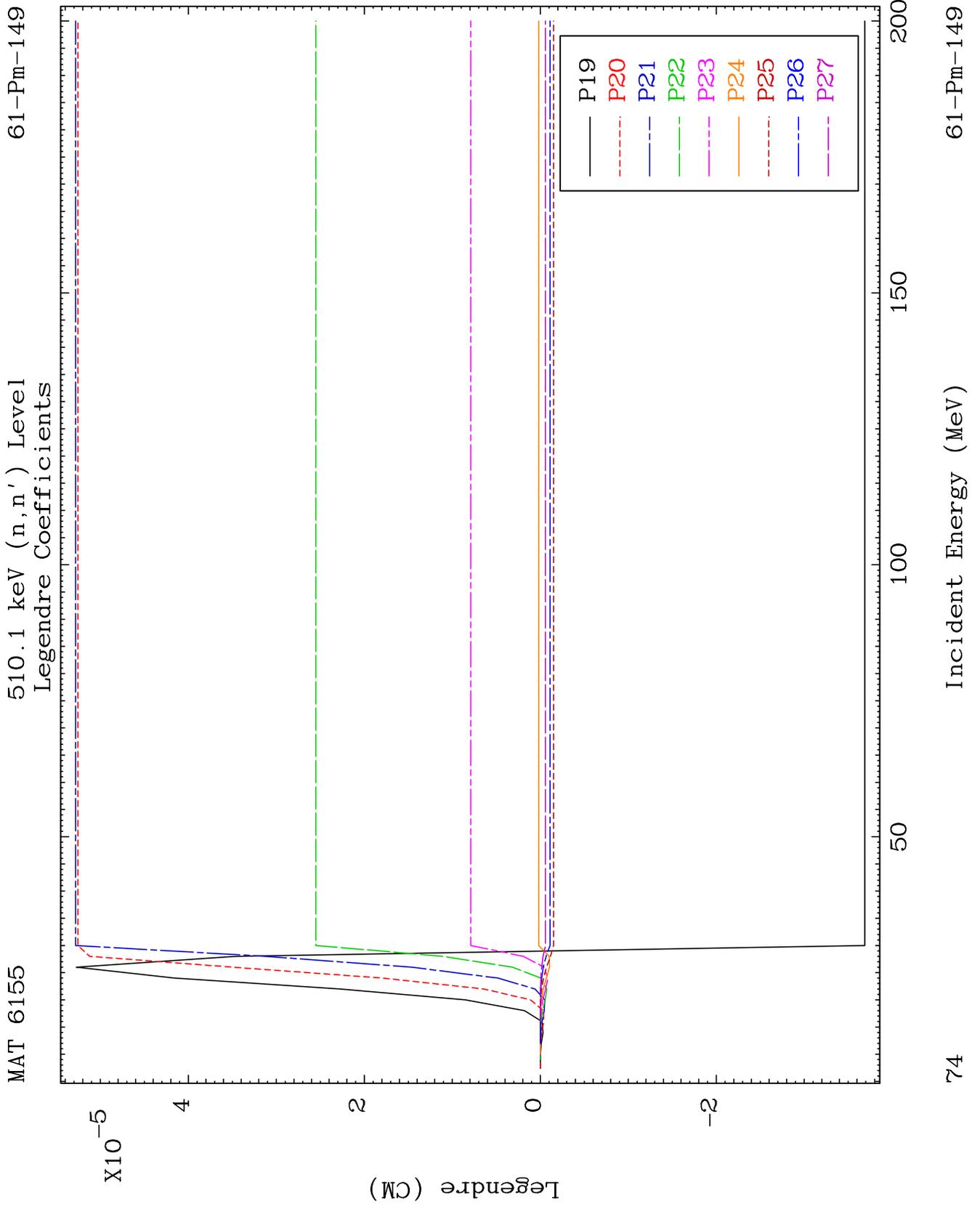
Incident Energy (MeV)

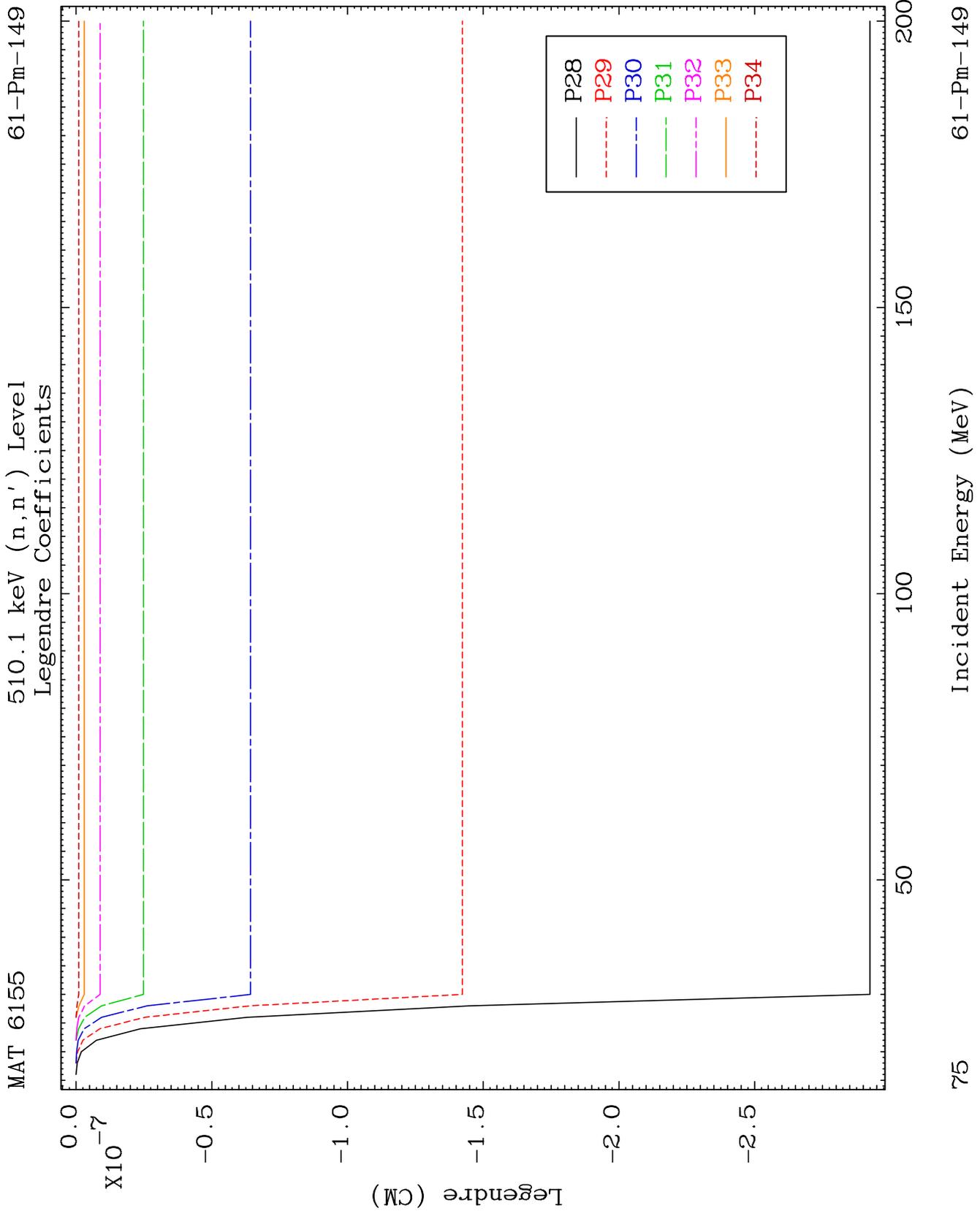
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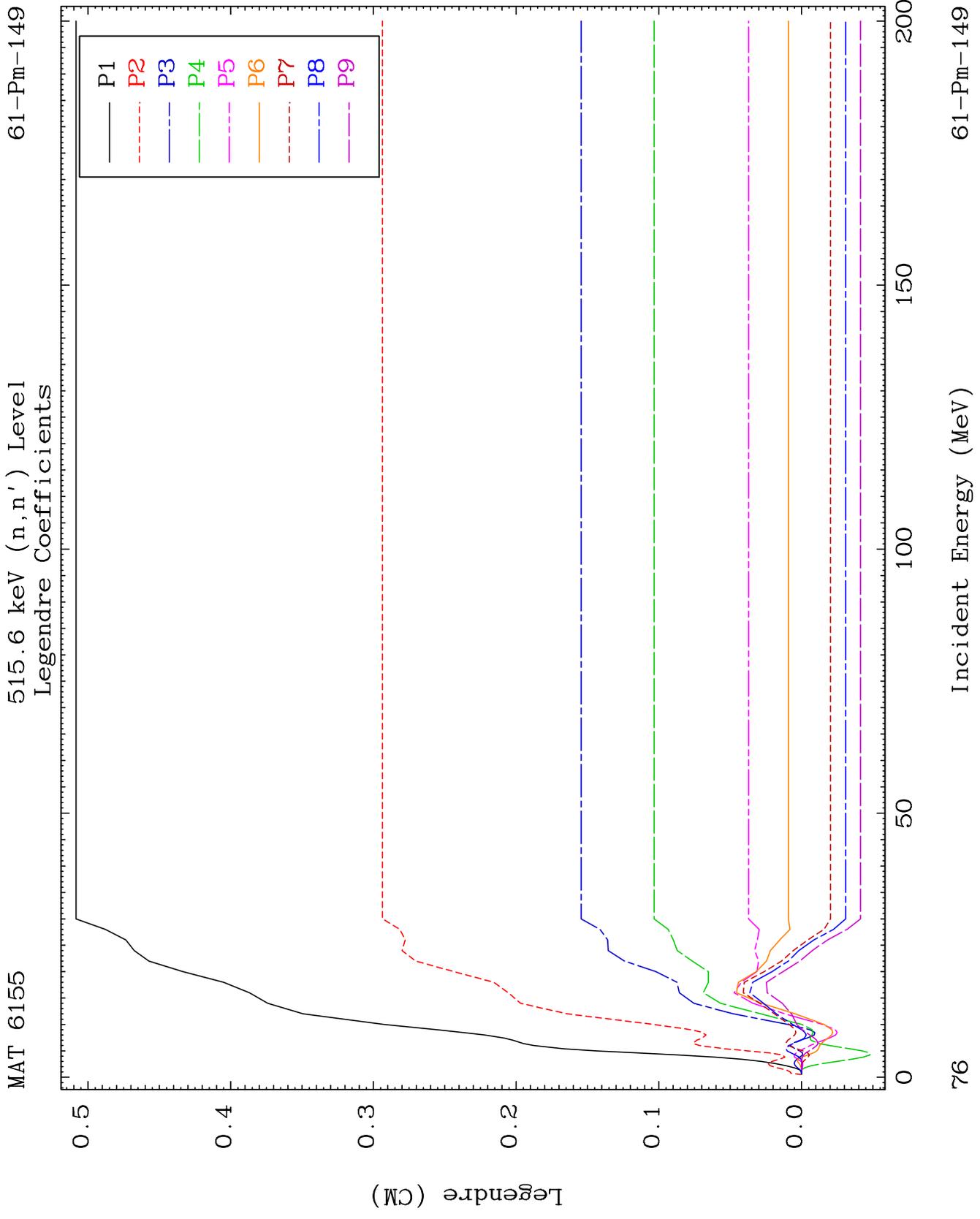




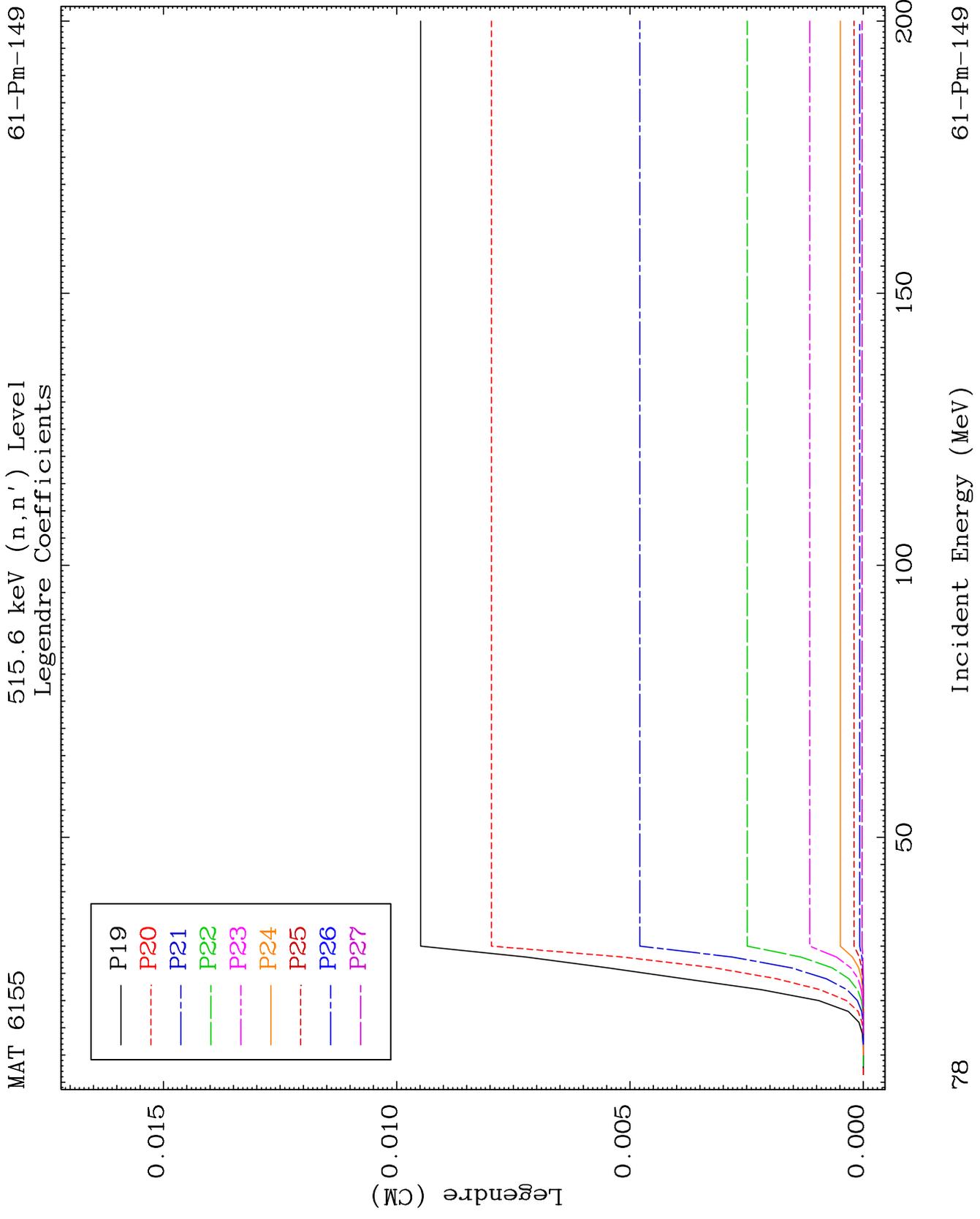


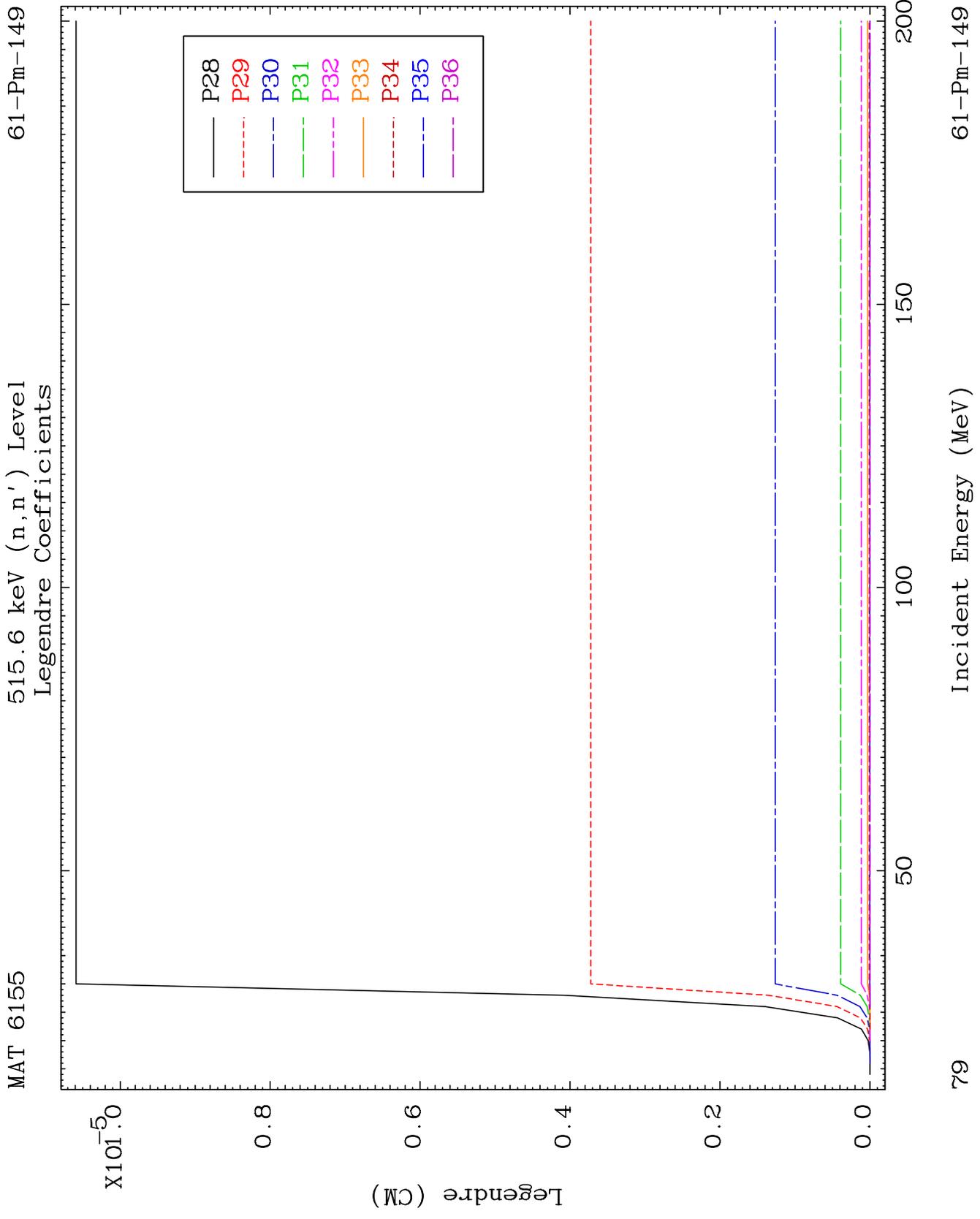








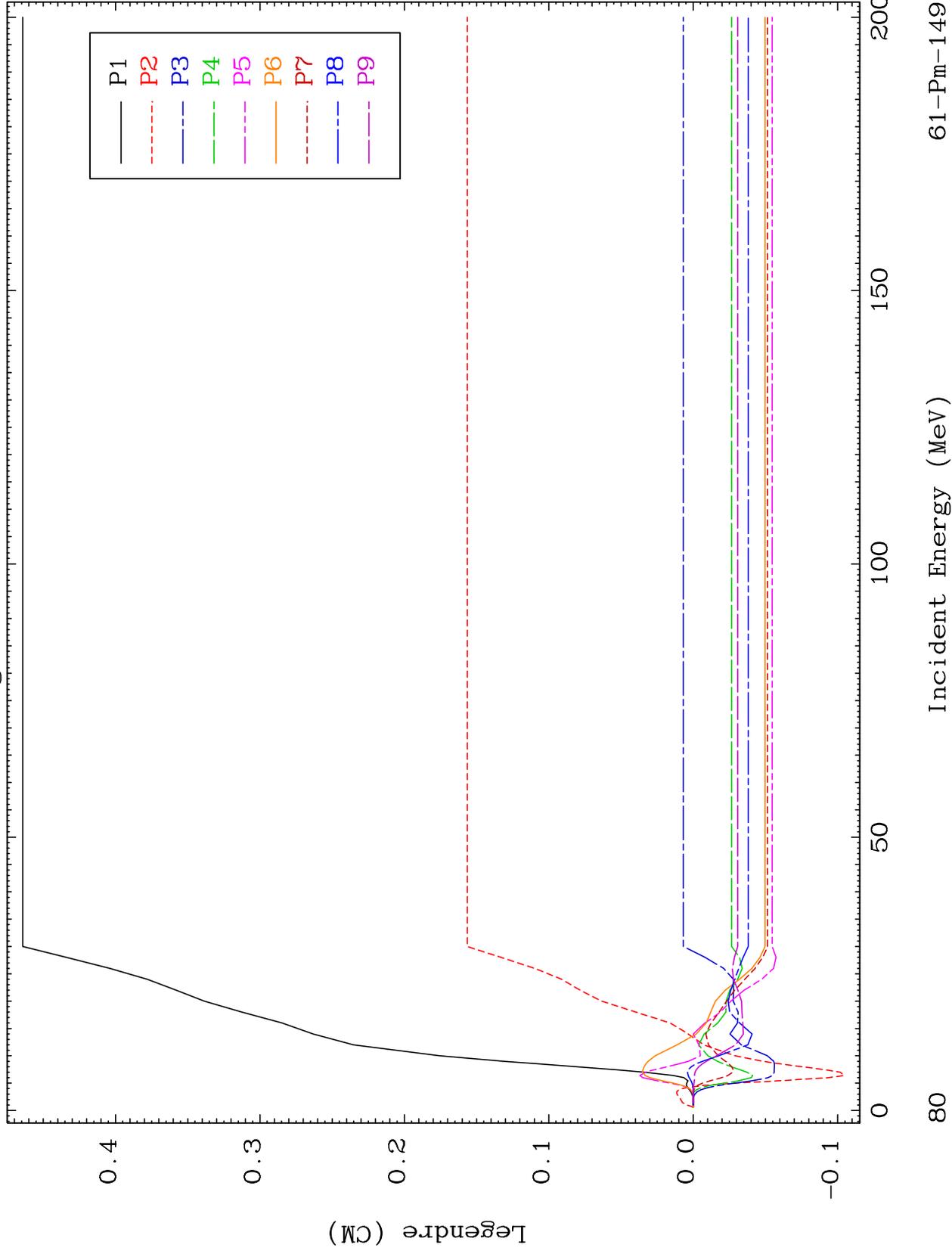




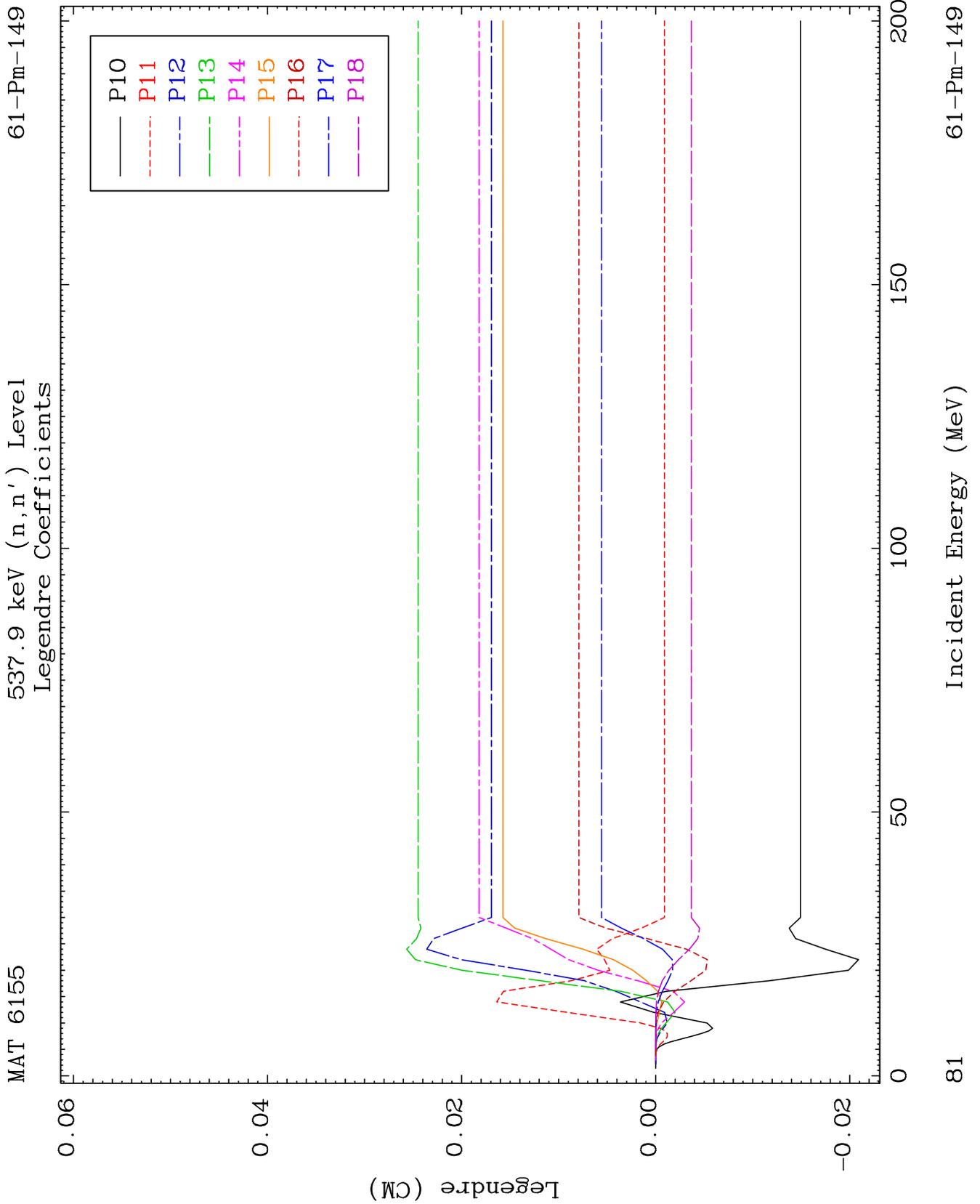
MAT 6155

537.9 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



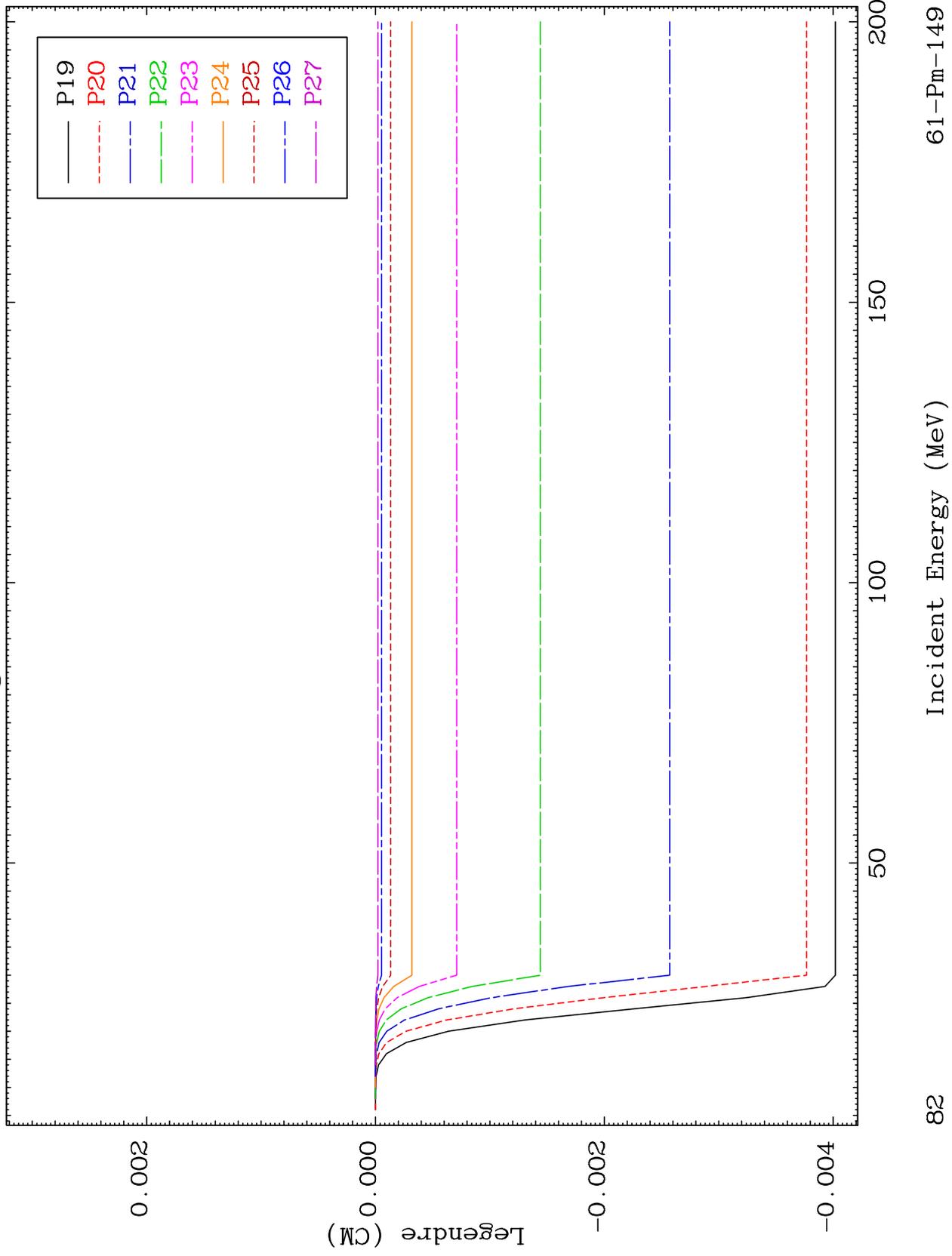
61-Pm-149



MAT 6155

537.9 keV (n,n') Level  
Legendre Coefficients

61-Pm-149

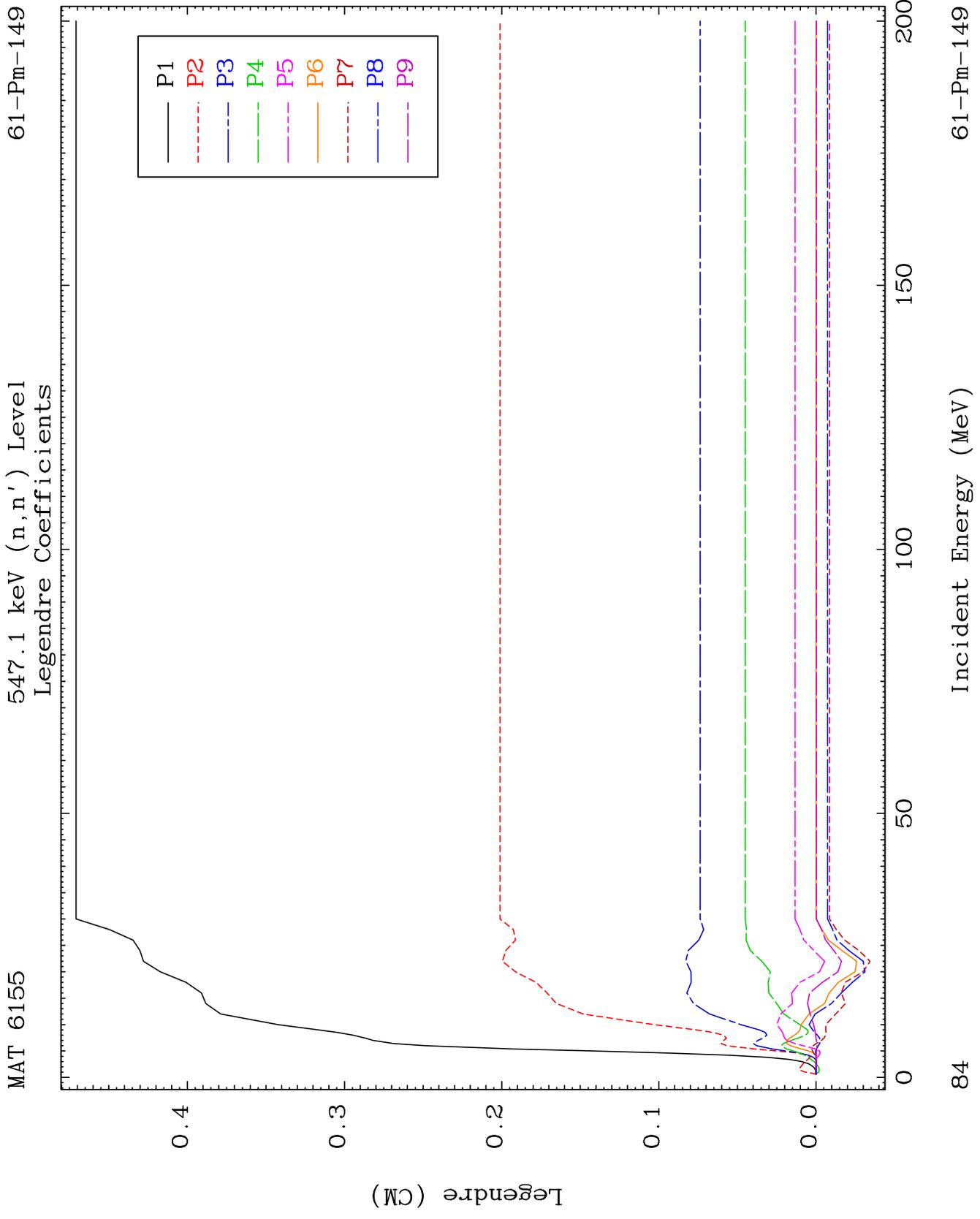


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Incident Energy (MeV)

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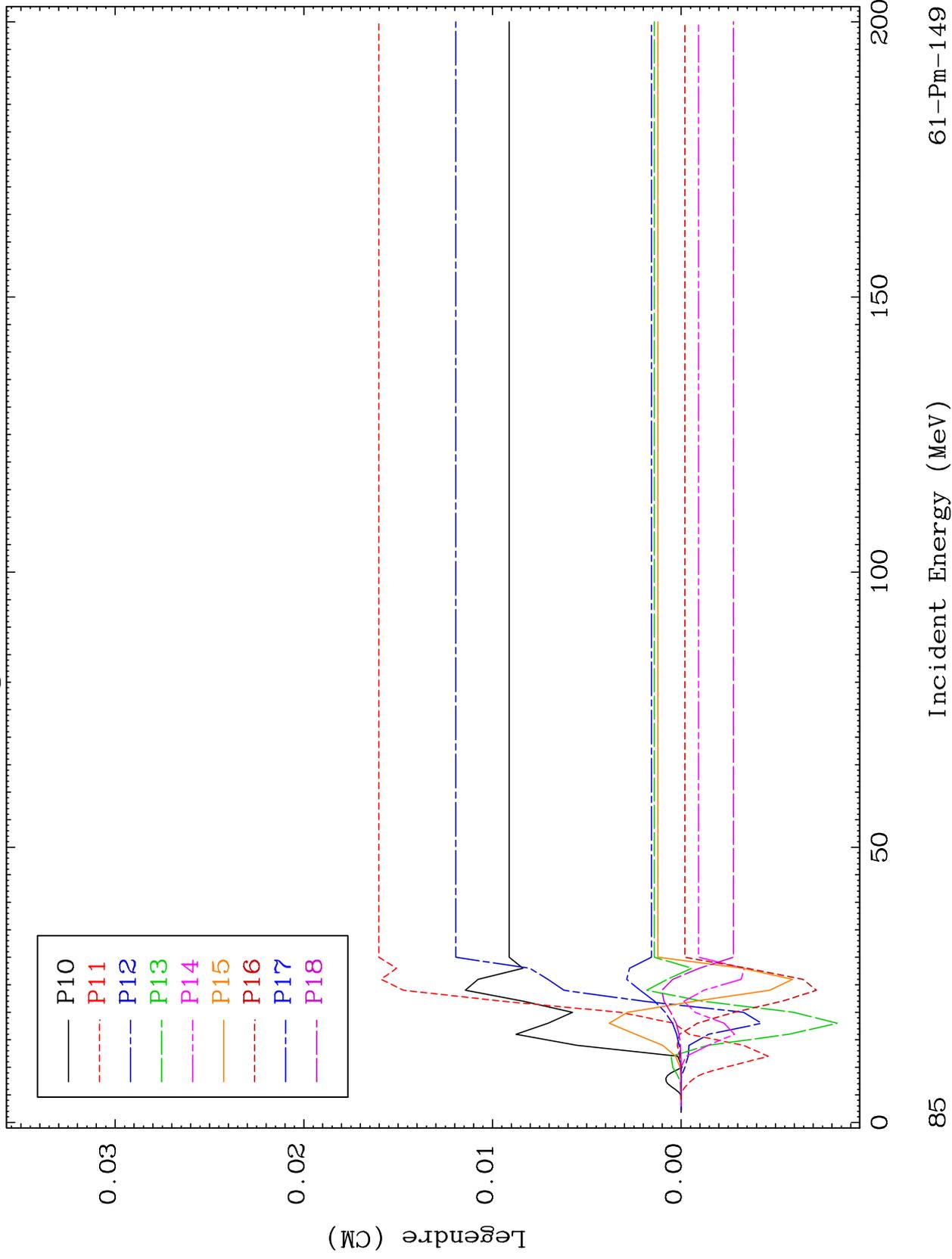




MAT 6155

547.1 keV (n,n') Level  
Legendre Coefficients

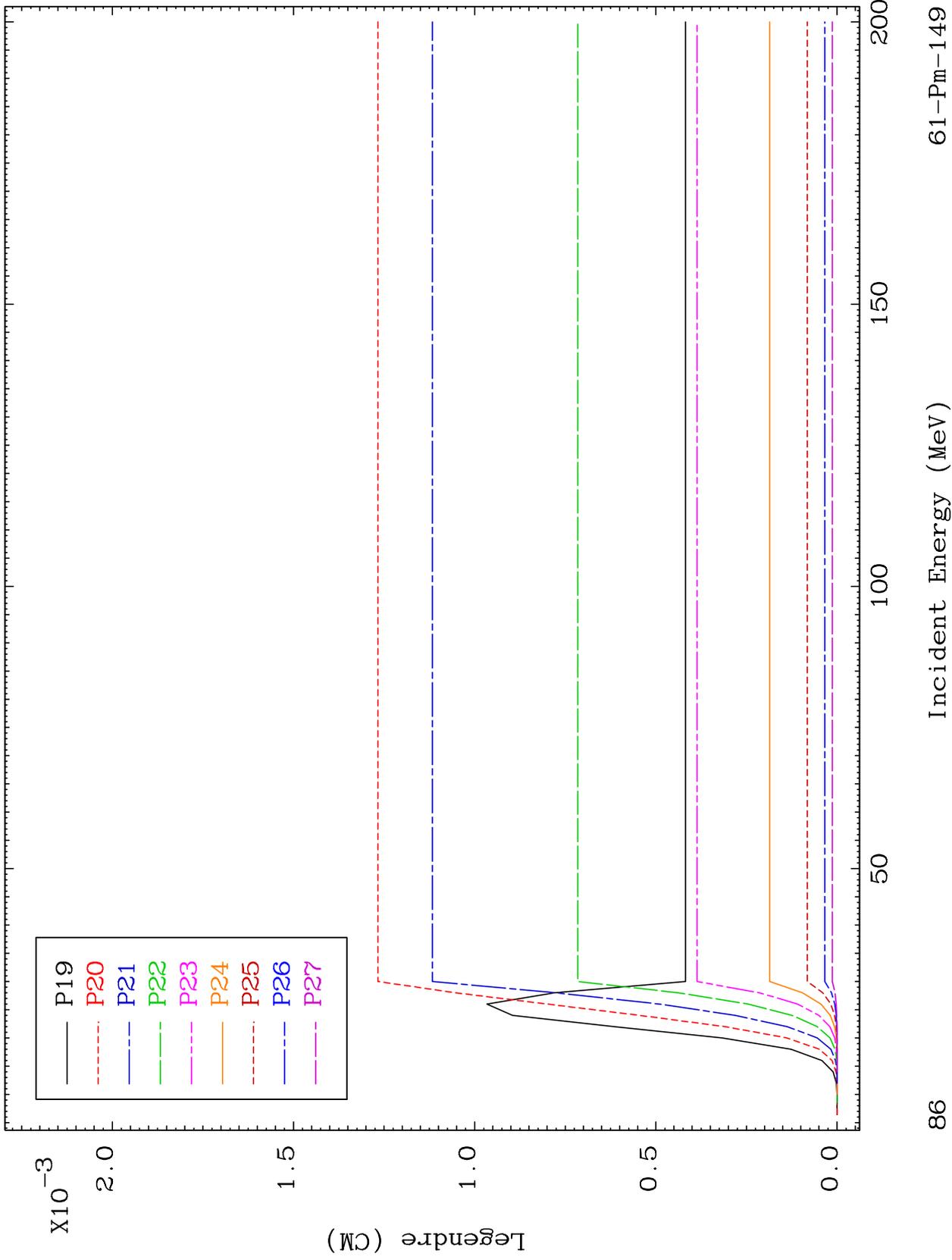
61-Pm-149



61-Pm-149

Incident Energy (MeV)

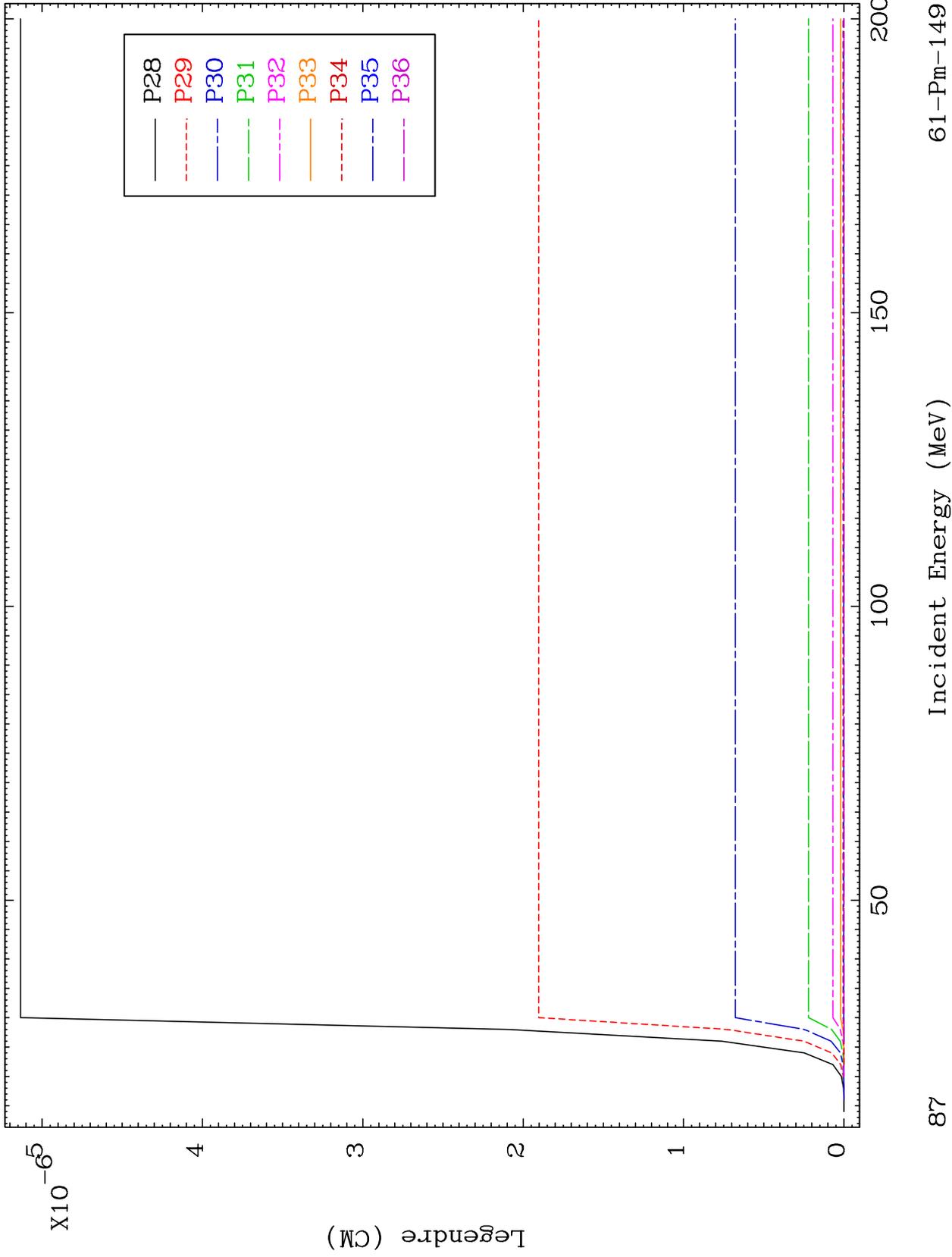
85

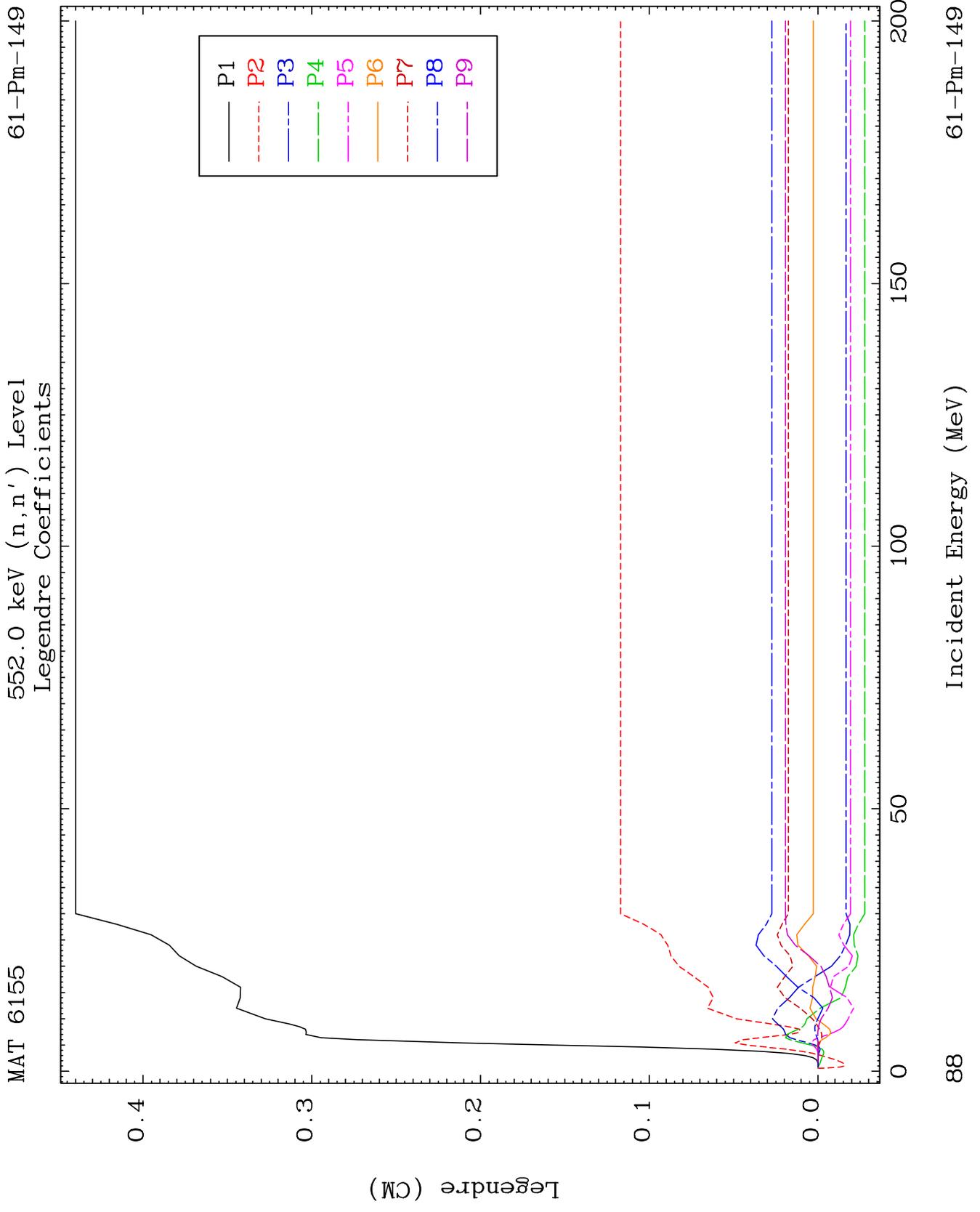


MAT 6155

547.1 keV (n,n') Level  
Legendre Coefficients

61-Pm-149

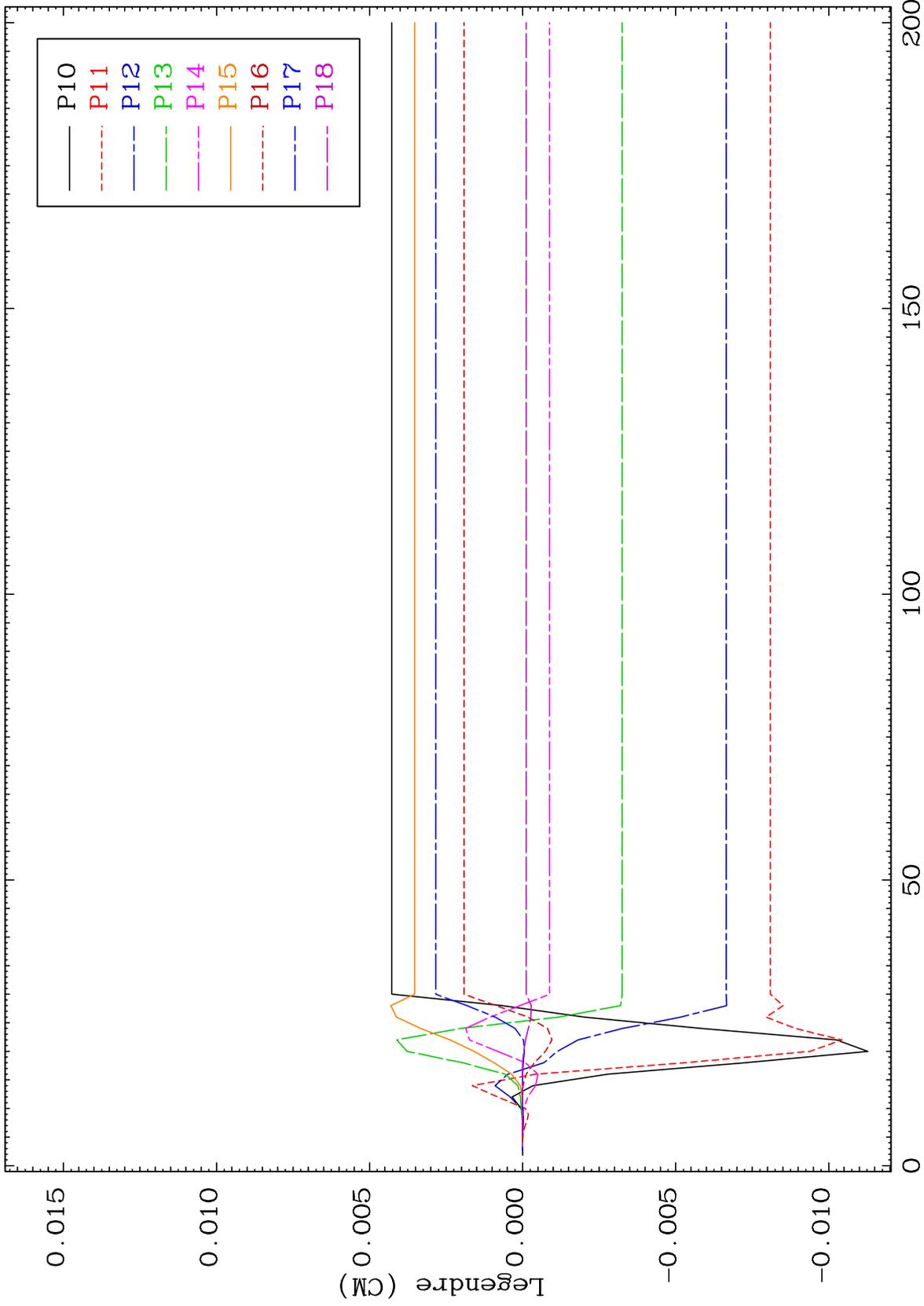




MAT 6155

552.0 keV (n,n') Level  
Legendre Coefficients

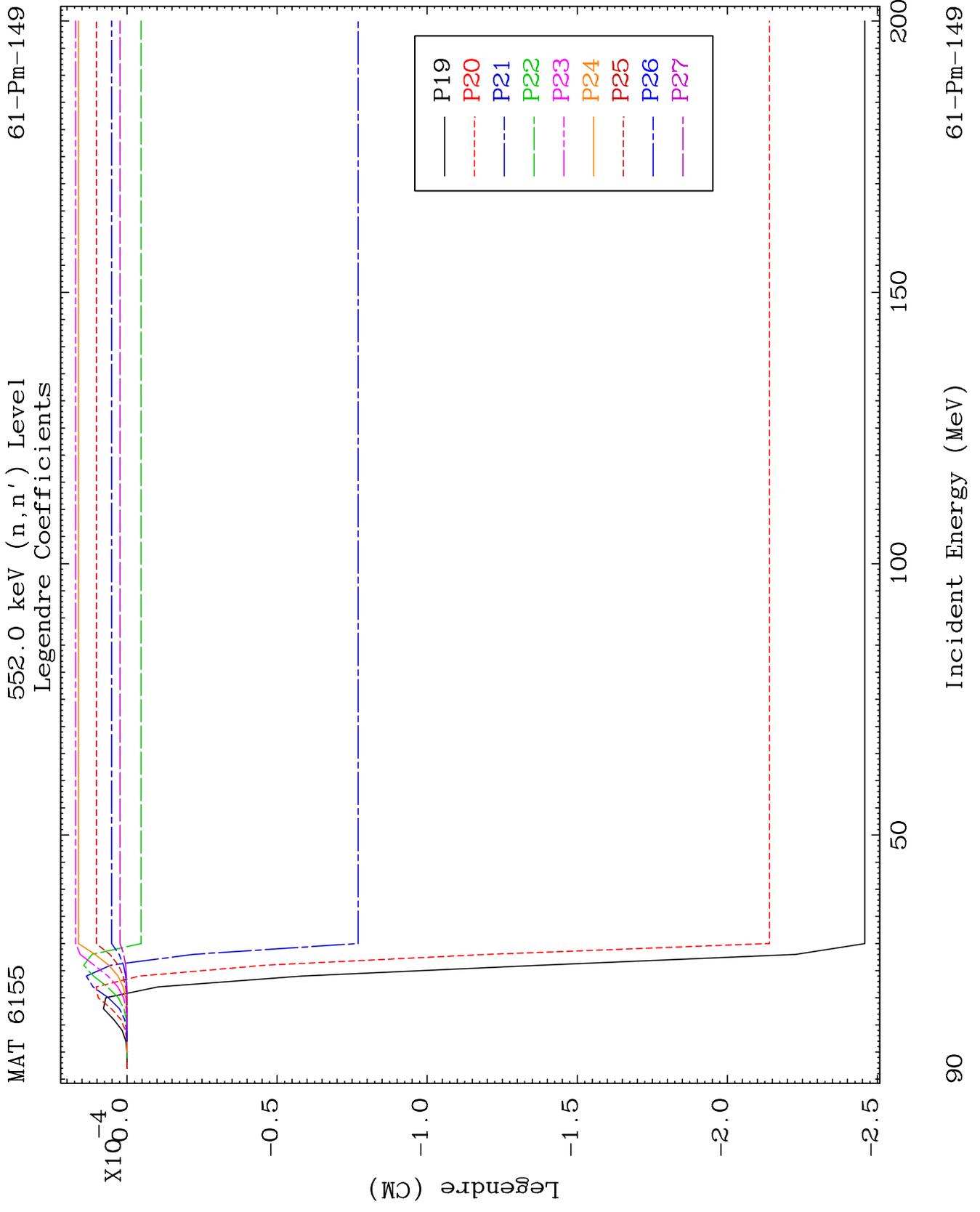
61-Pm-149



89

Incident Energy (MeV)

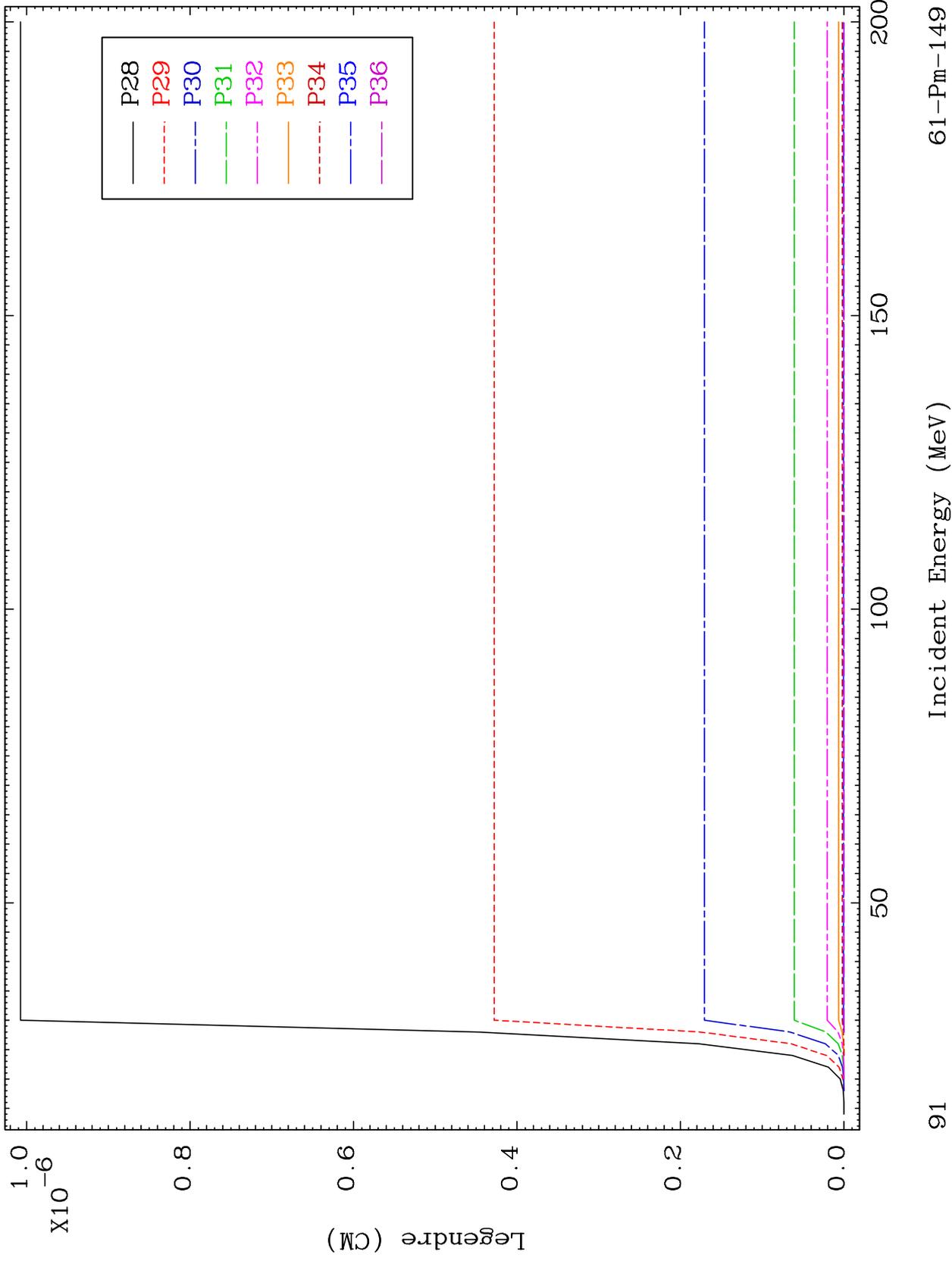
61-Pm-149



MAT 6155

552.0 keV (n,n') Level  
Legendre Coefficients

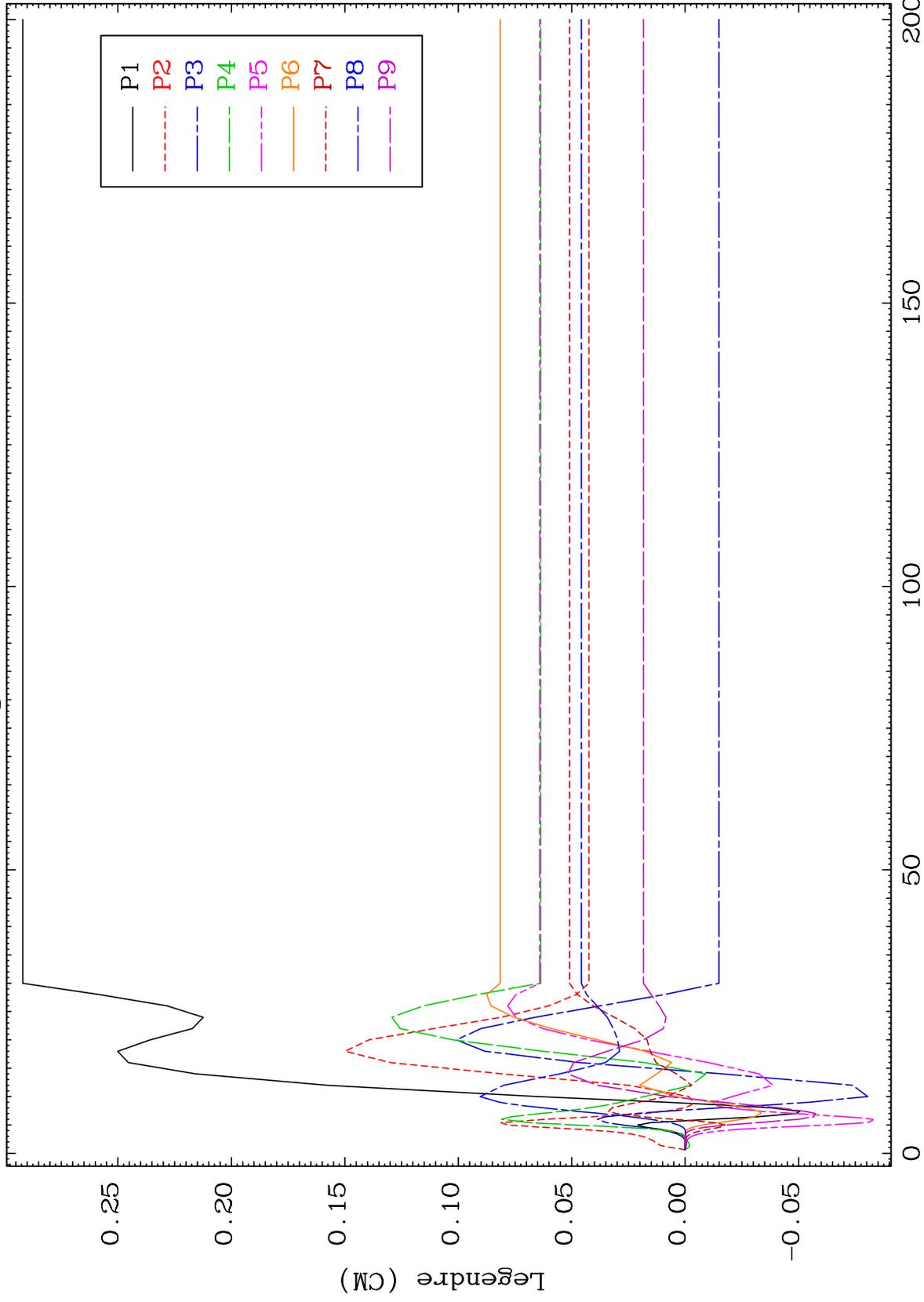
61-Pm-149



MAT 6155

558.3 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



92

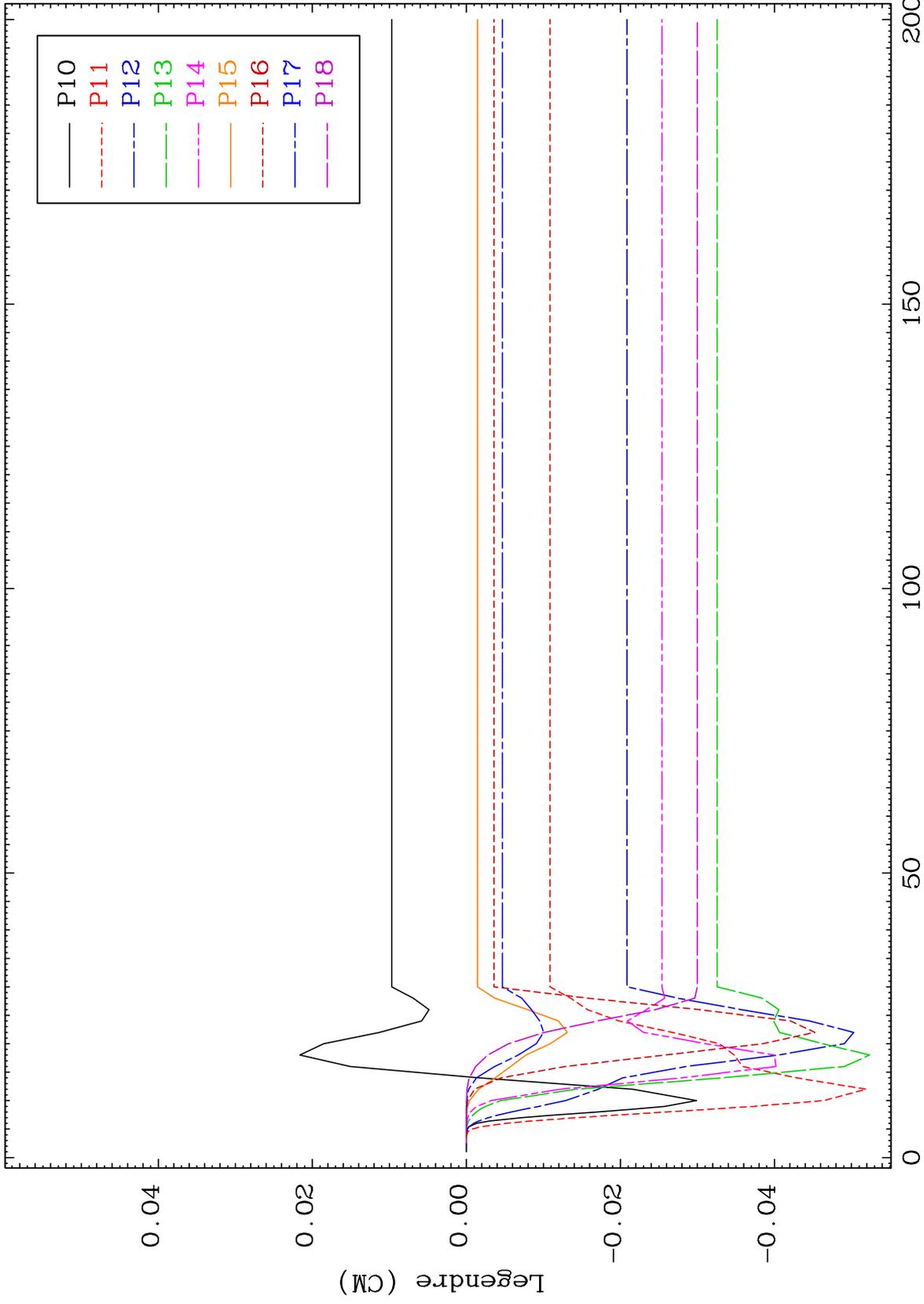
Incident Energy (MeV)

61-Pm-149

MAT 6155

558.3 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



93

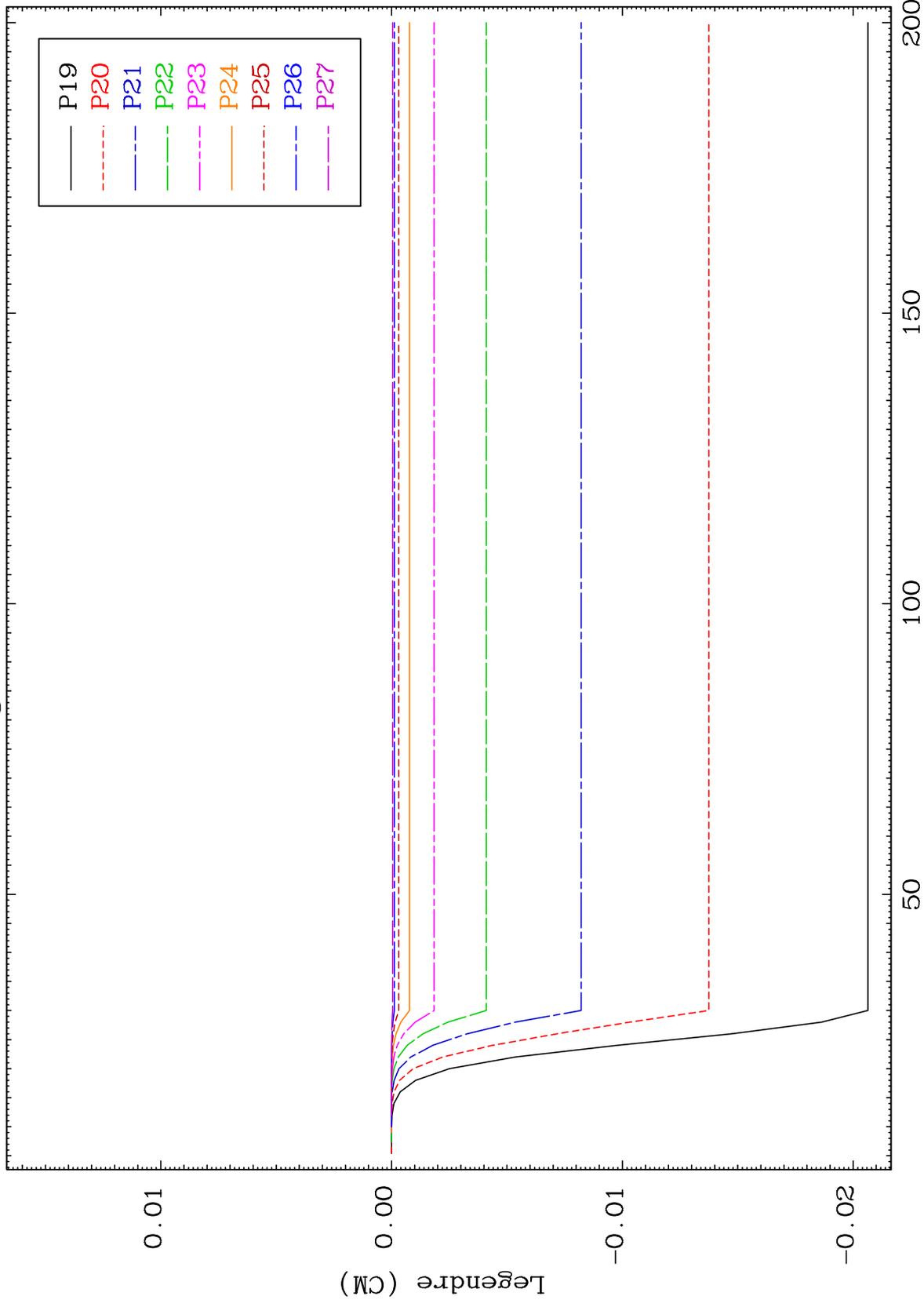
Incident Energy (MeV)

61-Pm-149

MAT 6155

558.3 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



94

Incident Energy (MeV)

61-Pm-149

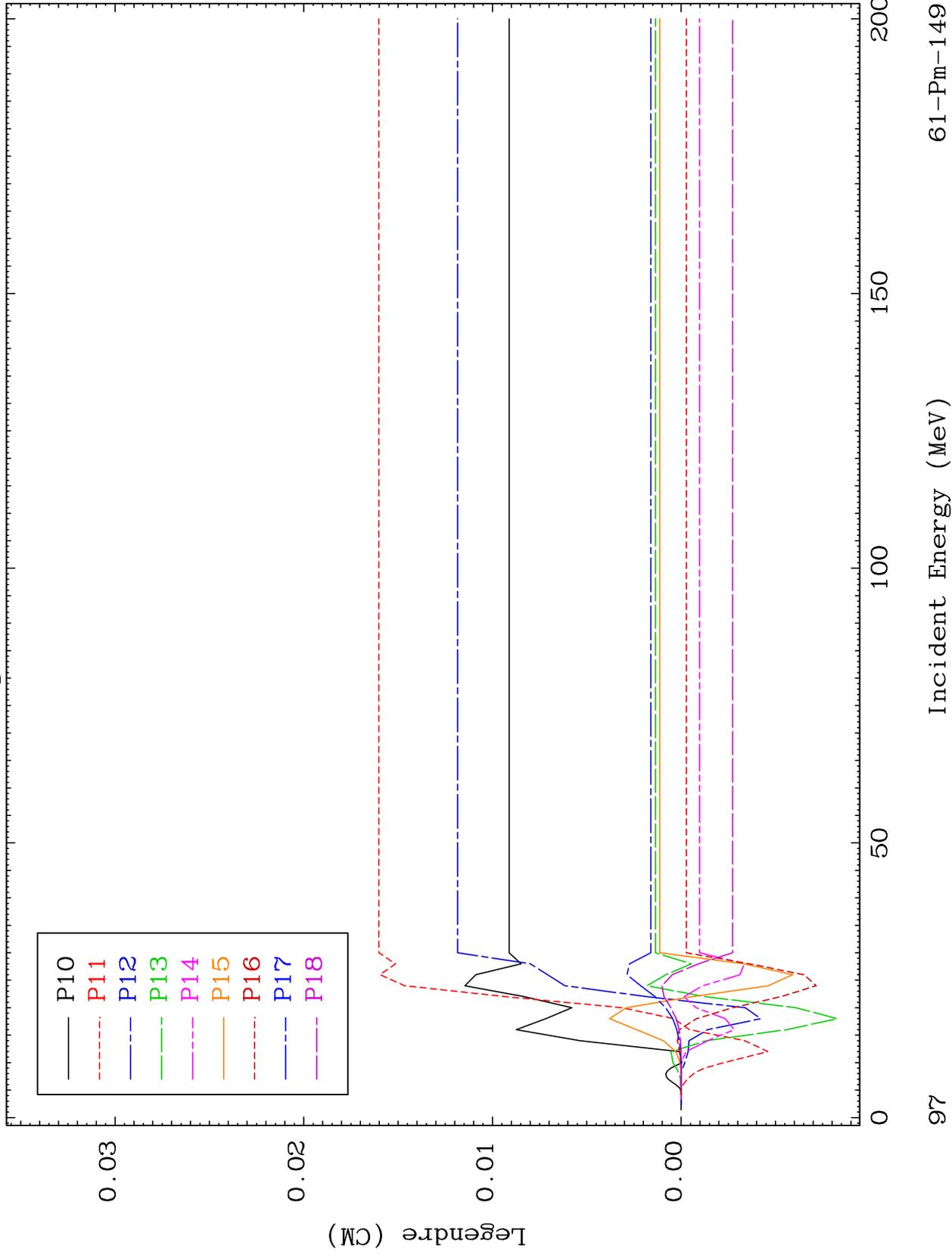




MAT 6155

636.5 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



97

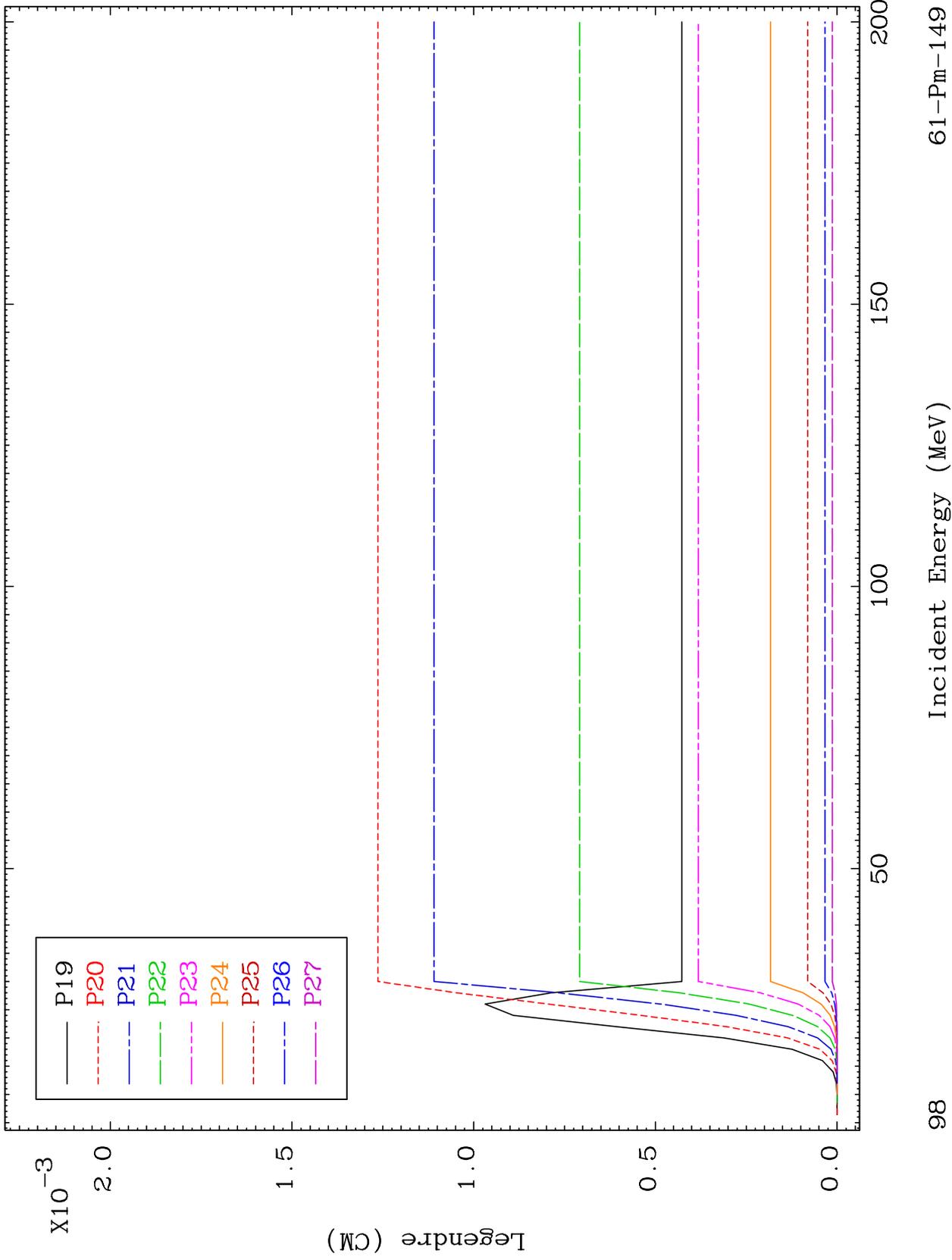
Incident Energy (MeV)

61-Pm-149

MAT 6155

636.5 keV (n,n') Level  
Legendre Coefficients

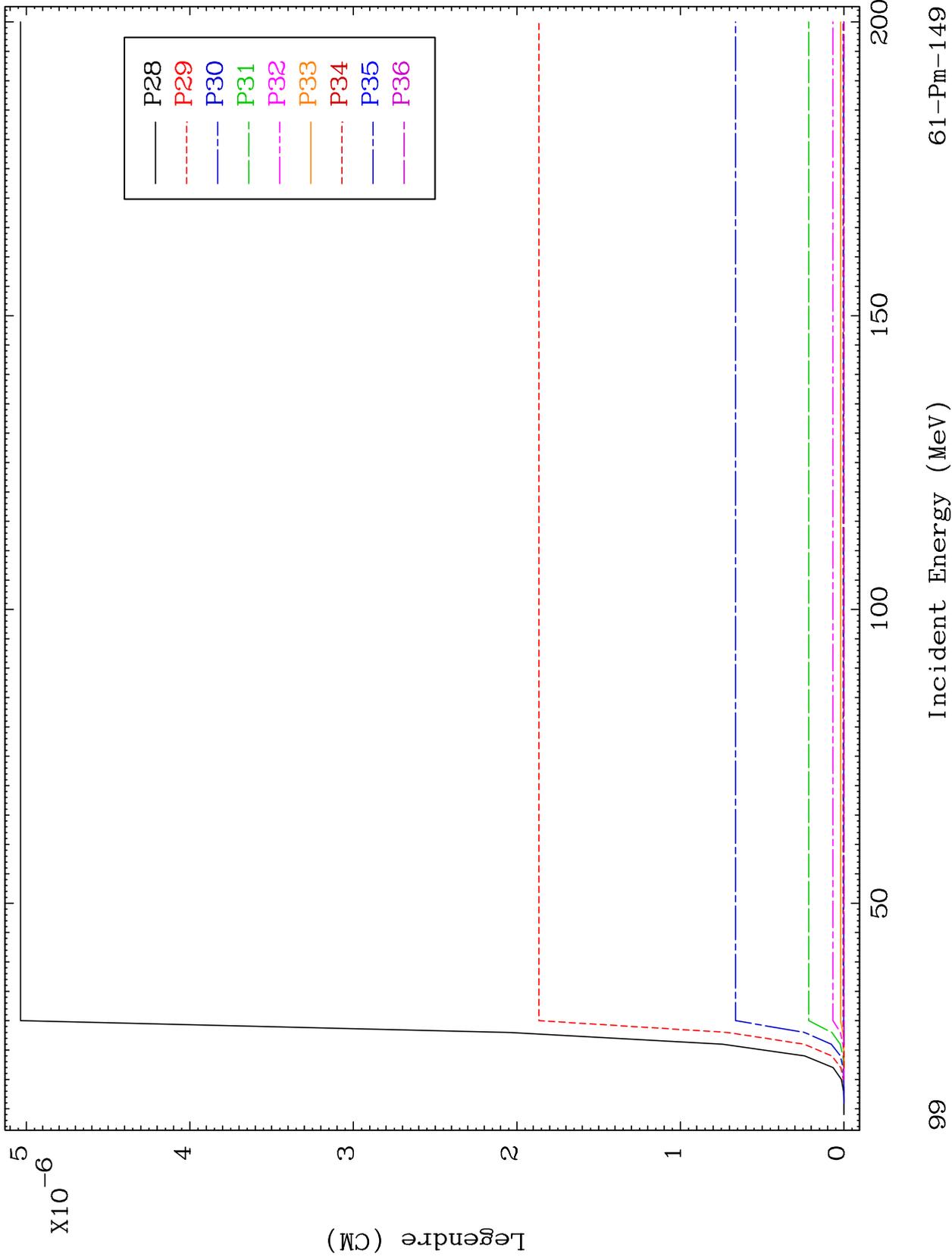
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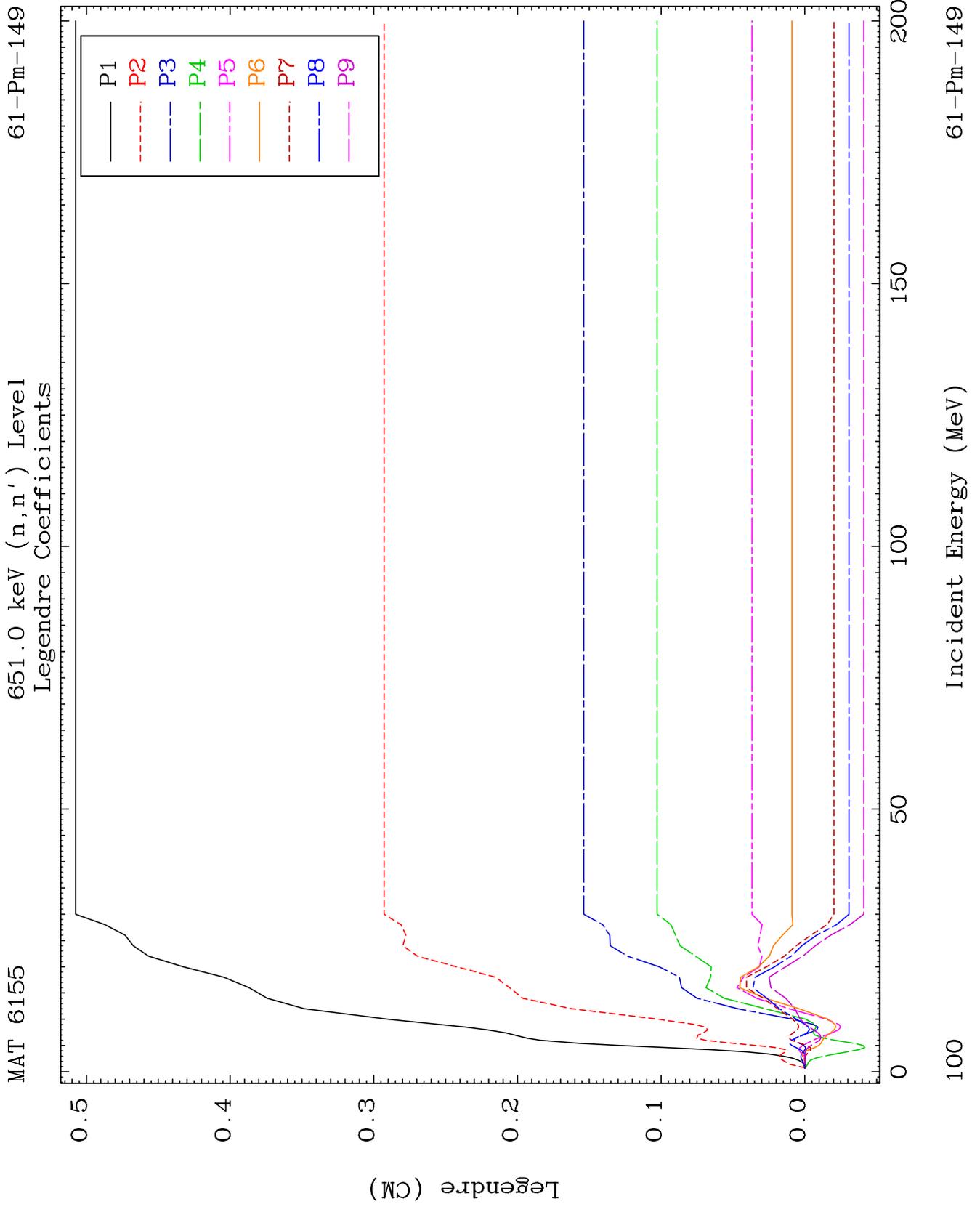
MAT 6155

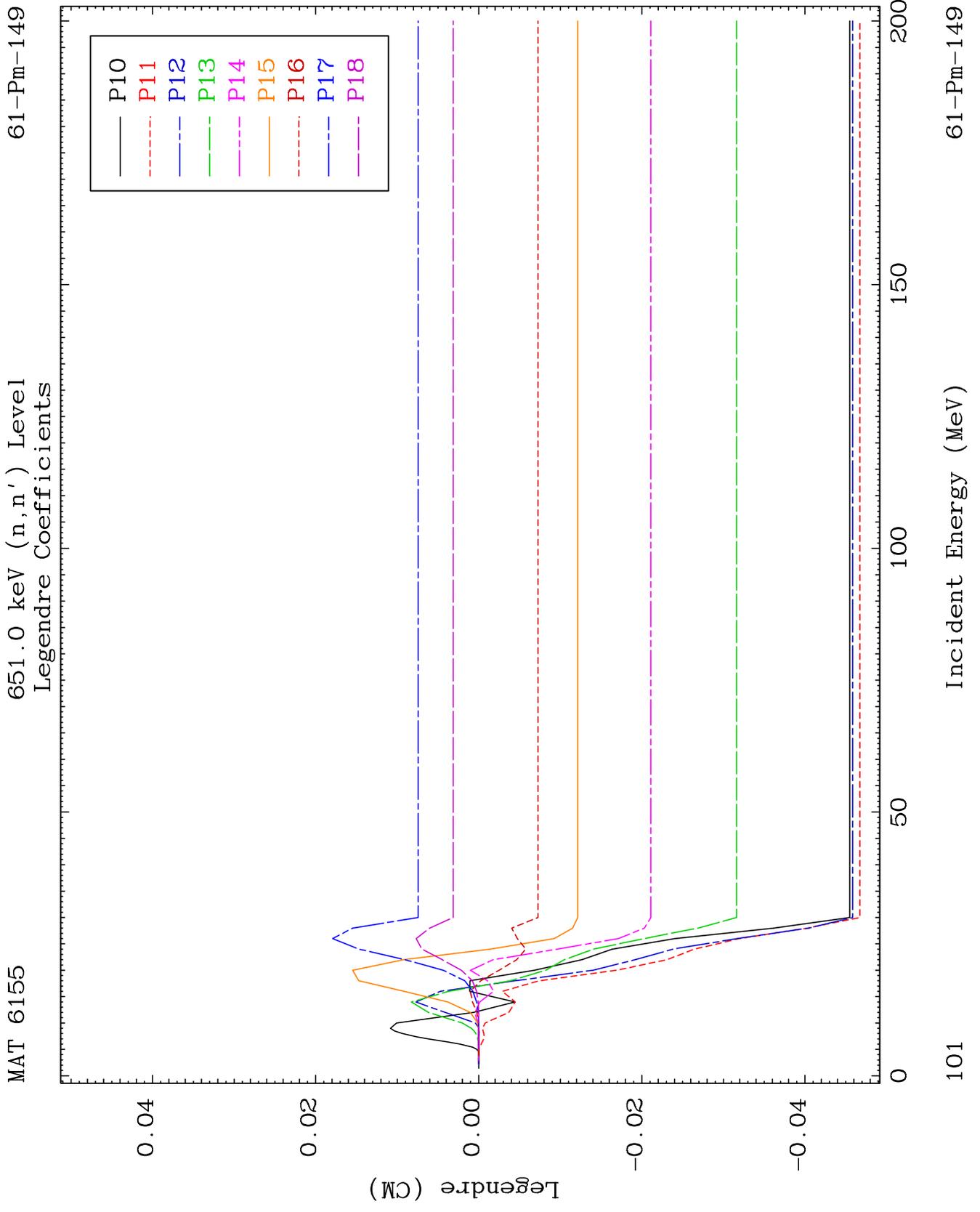
636.5 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



99

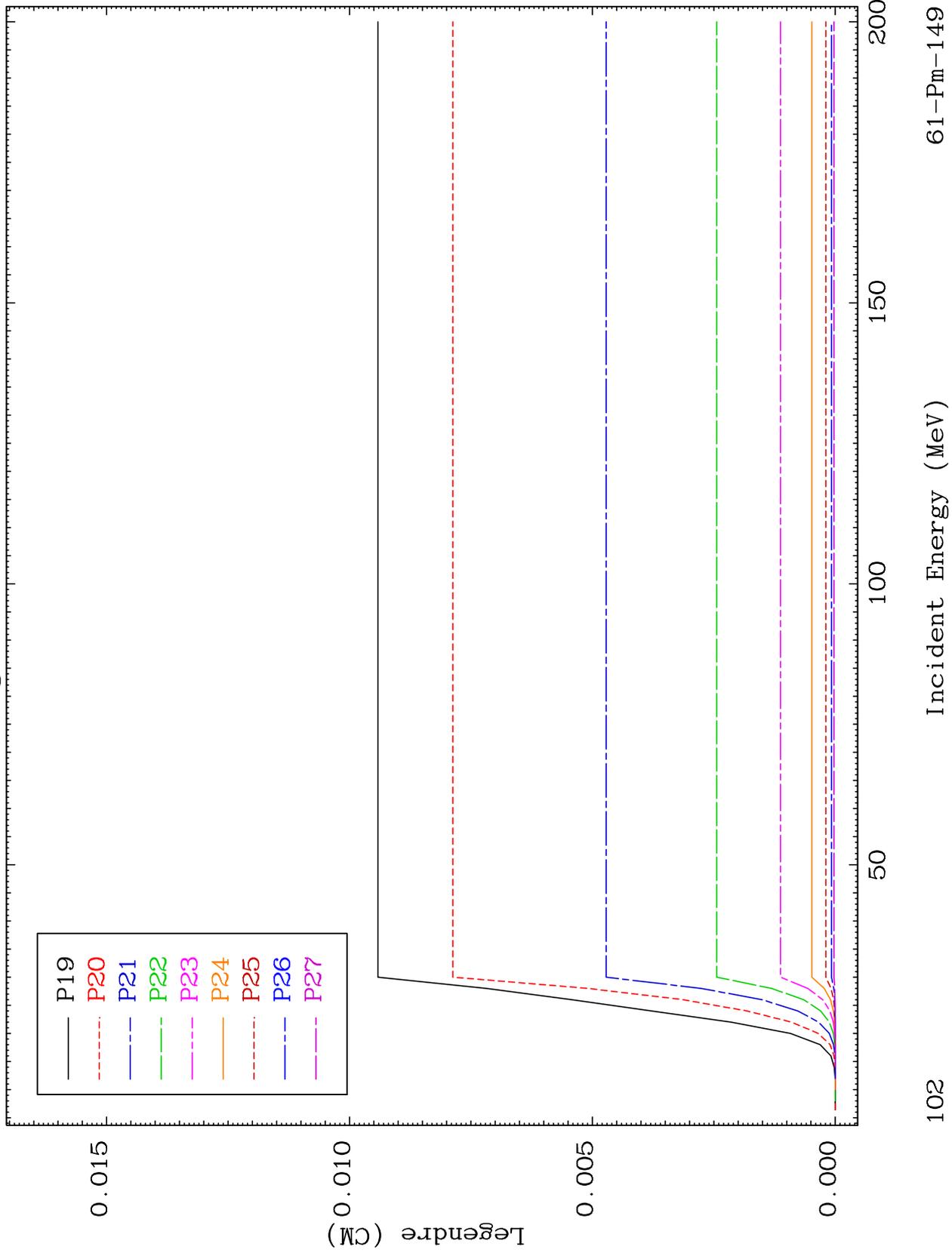


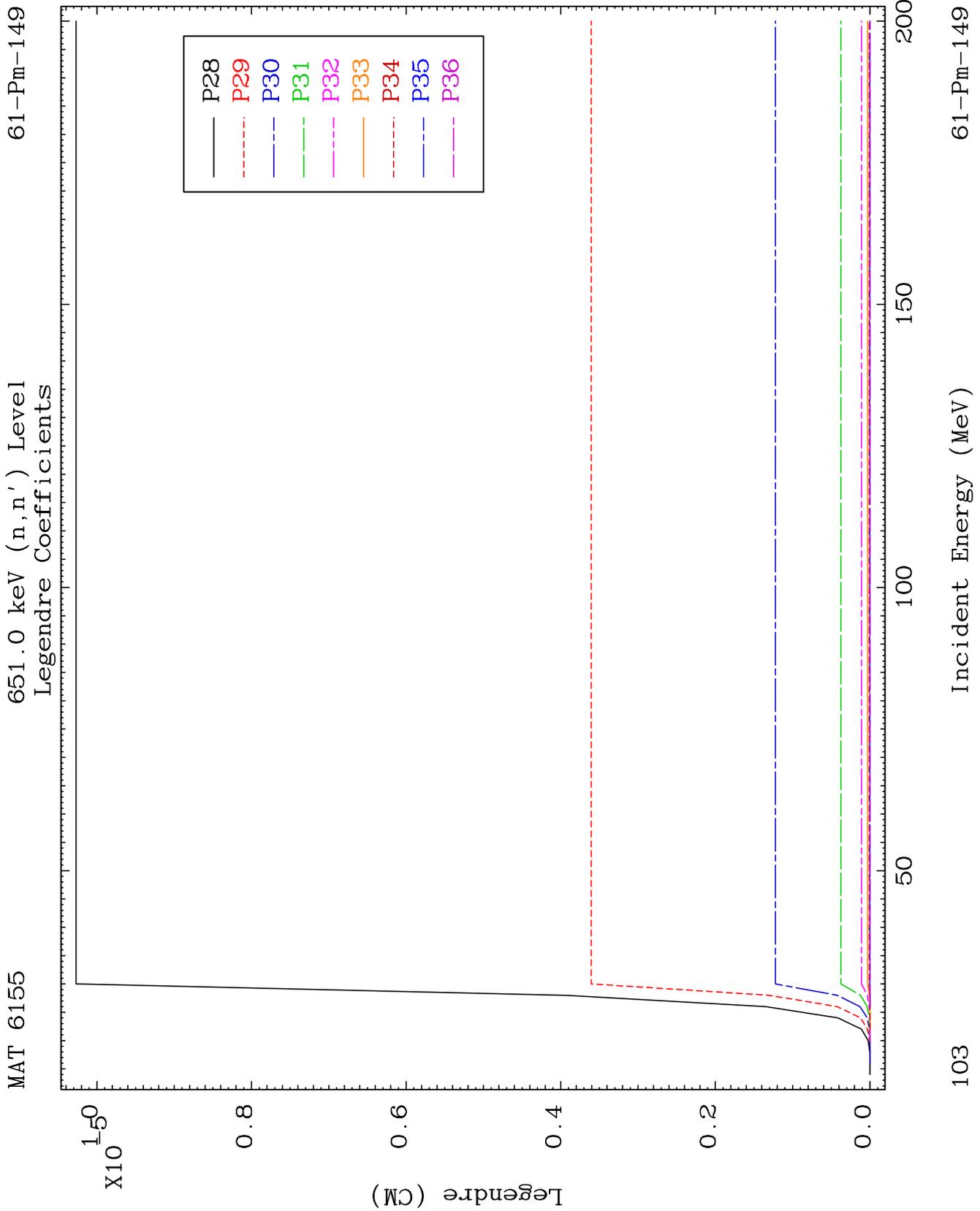


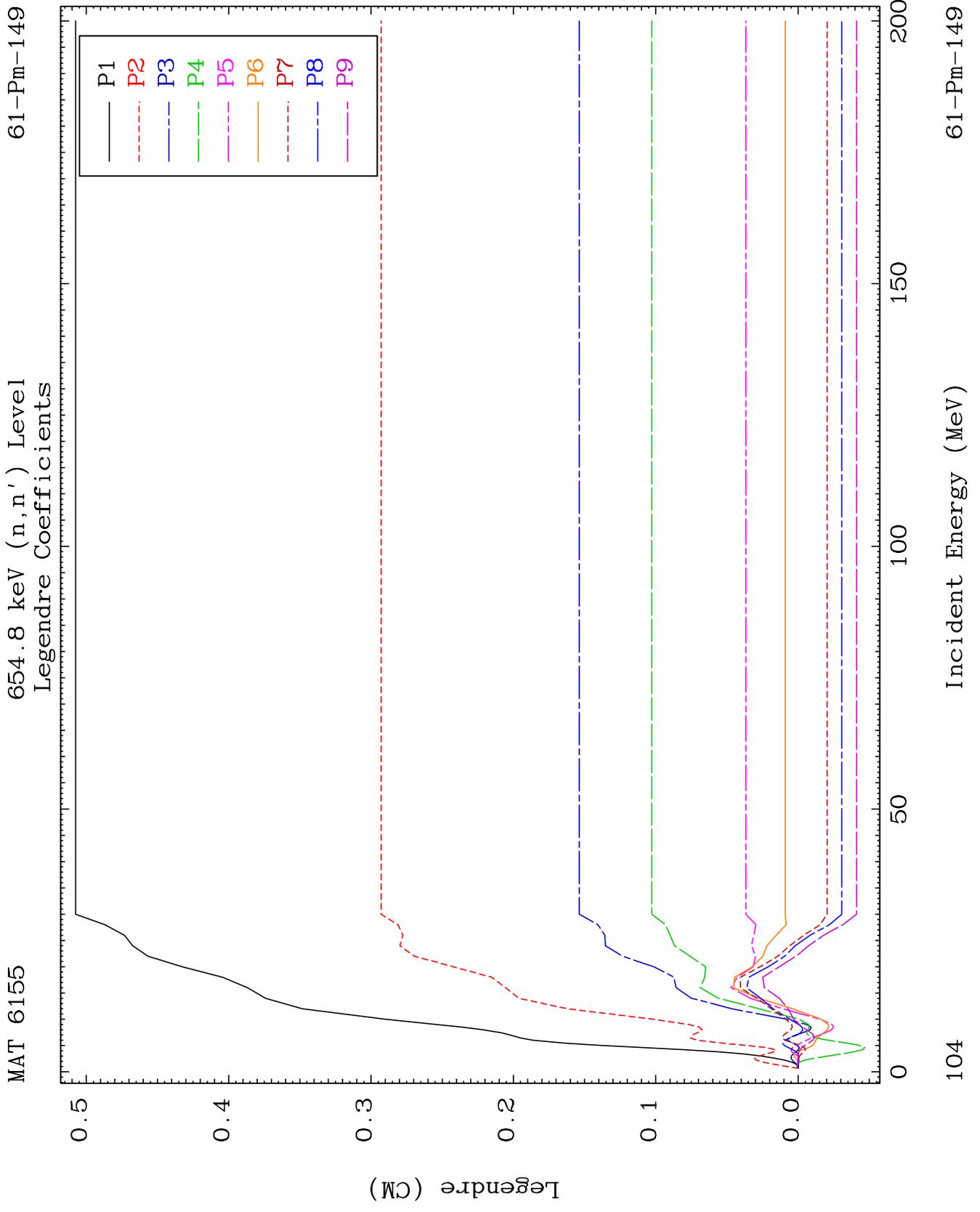
MAT 6155

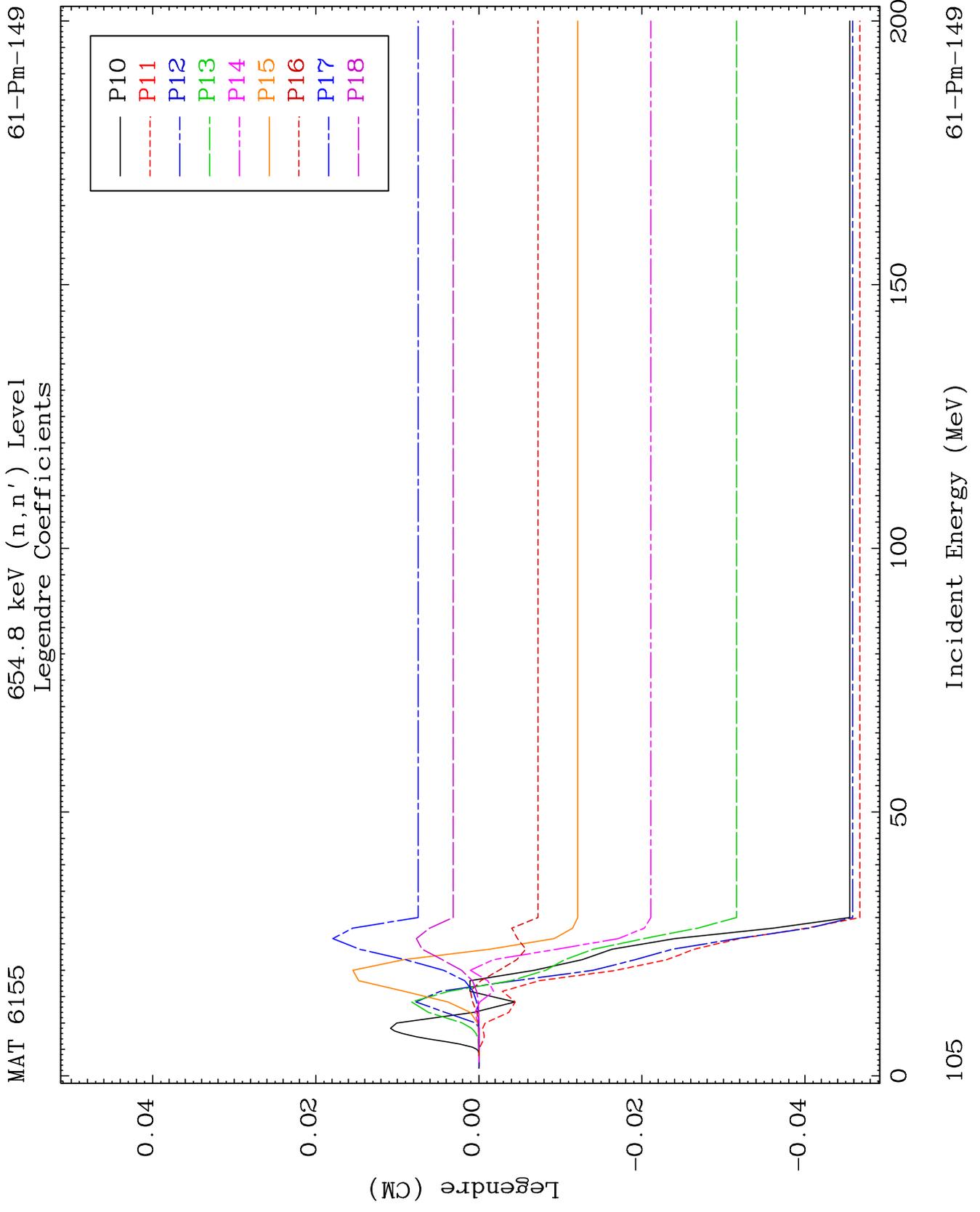
651.0 keV (n,n') Level  
Legendre Coefficients

61-Pm-149





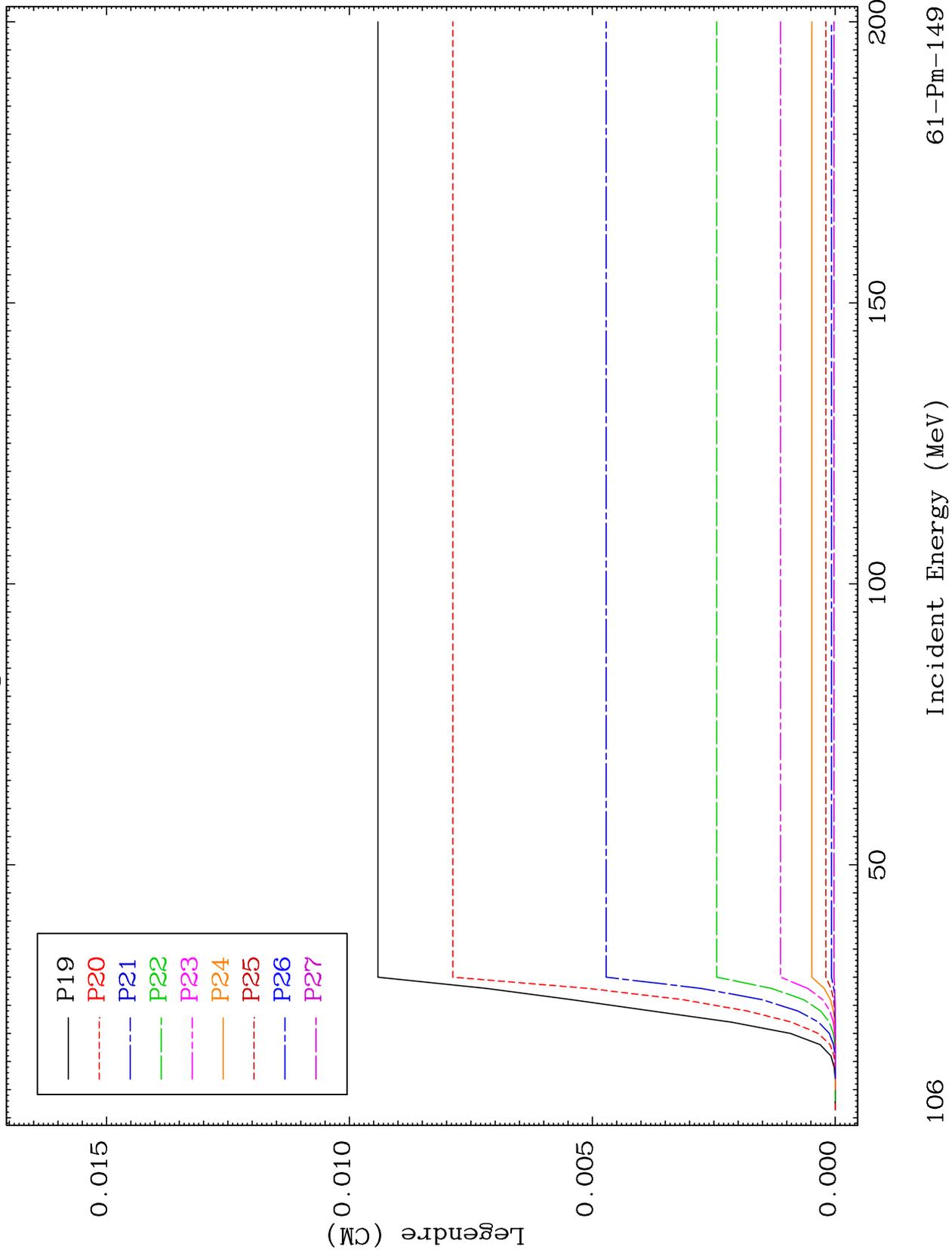




MAT 6155

654.8 keV (n,n') Level  
Legendre Coefficients

61-Pm-149

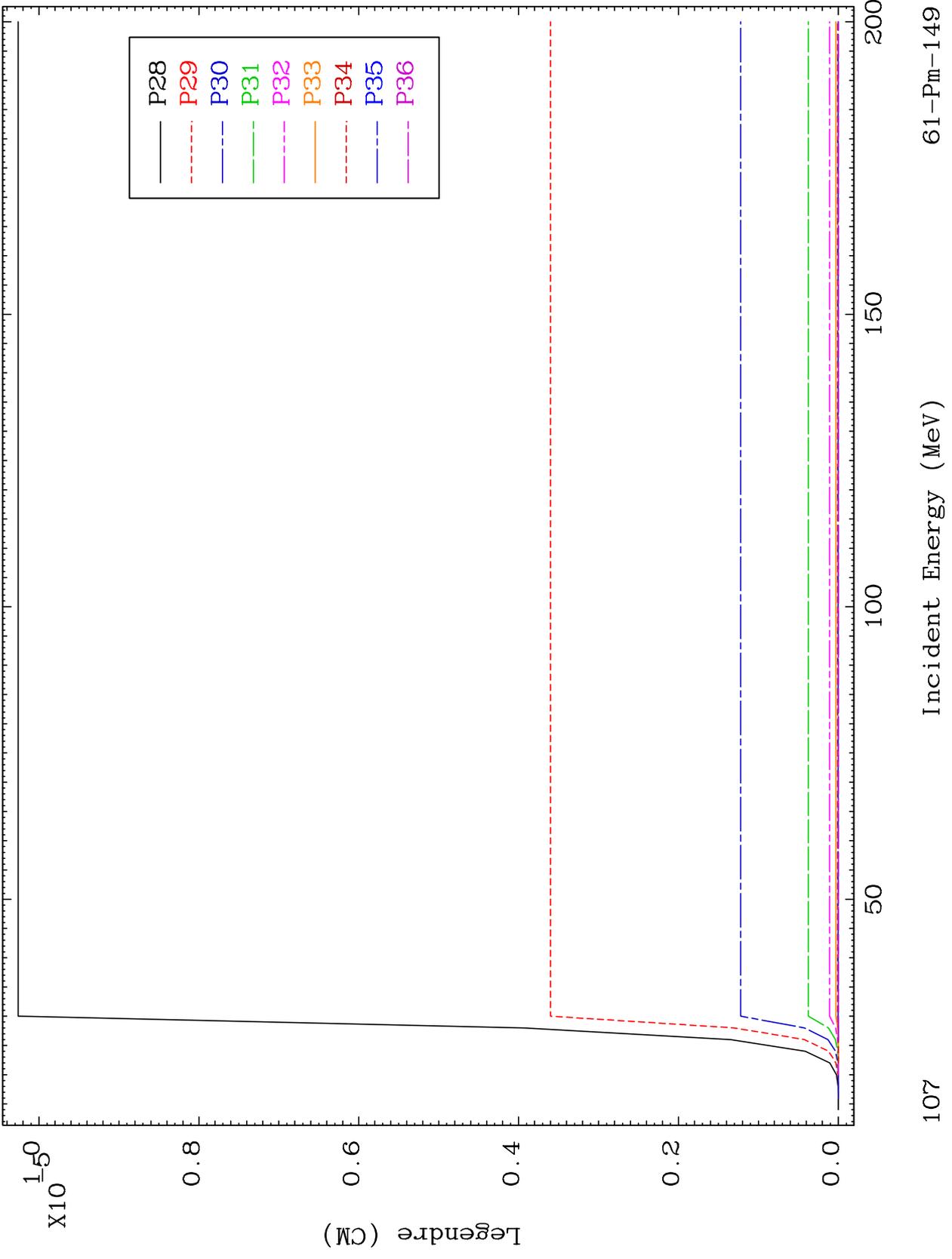


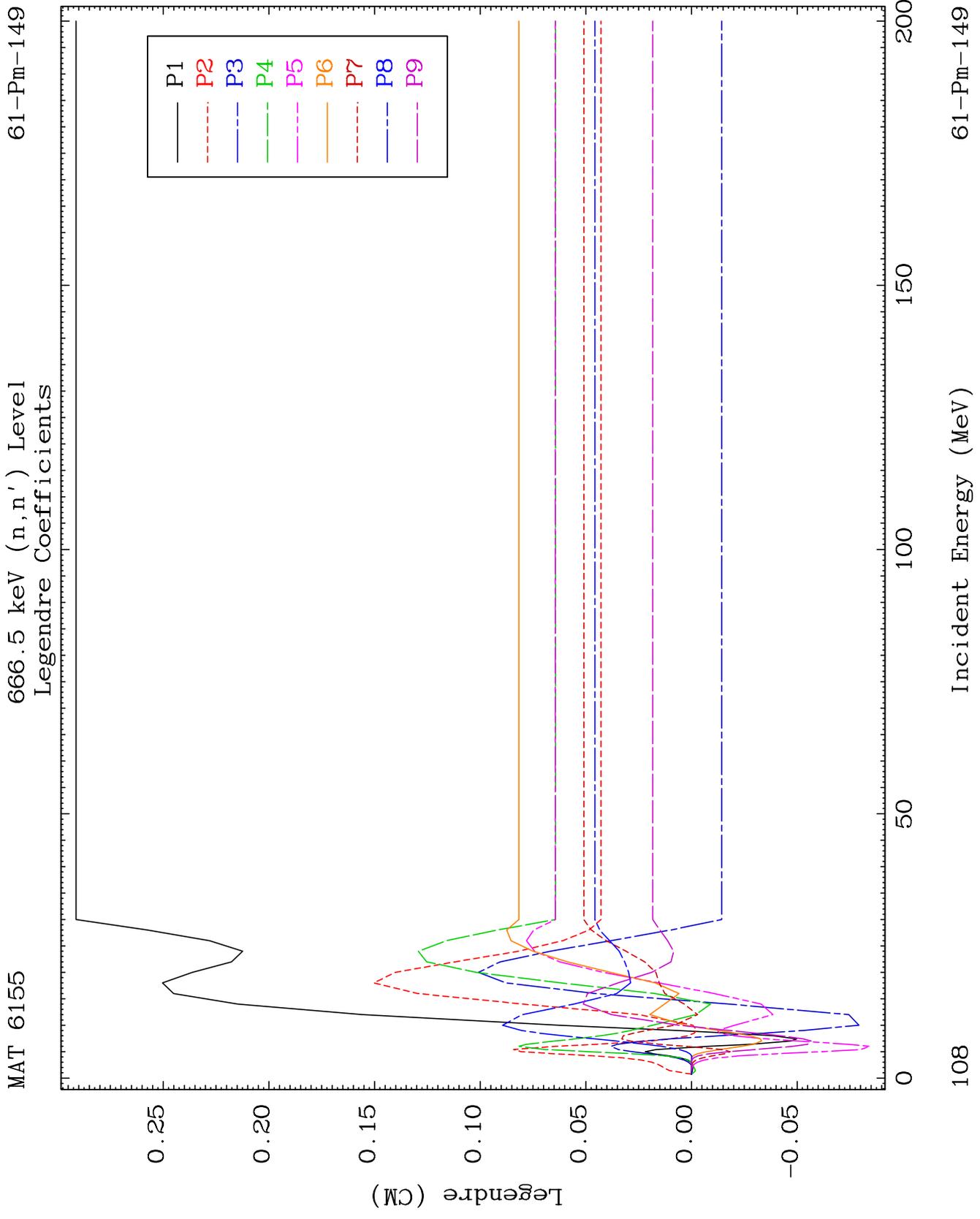
106

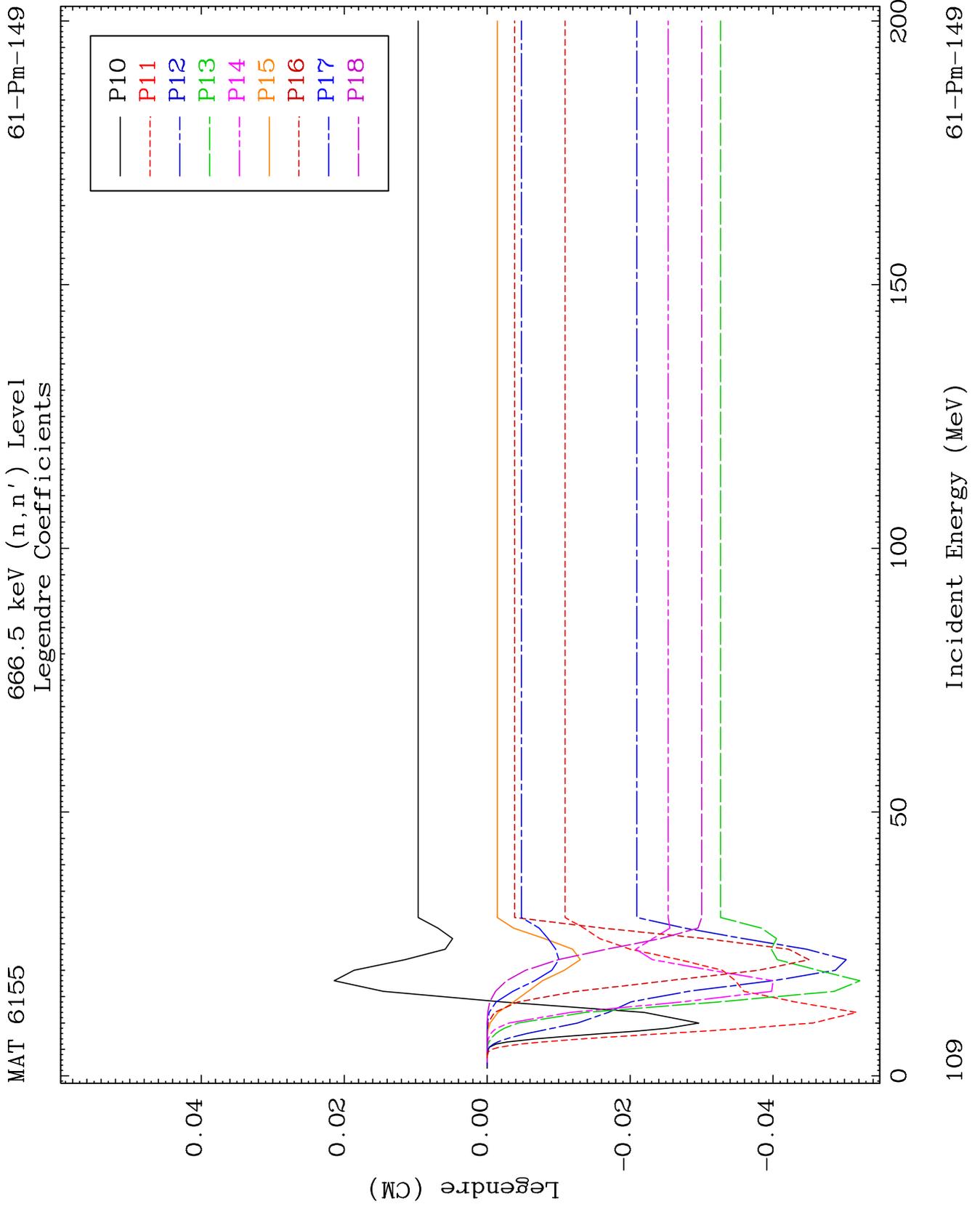
Incident Energy (MeV)

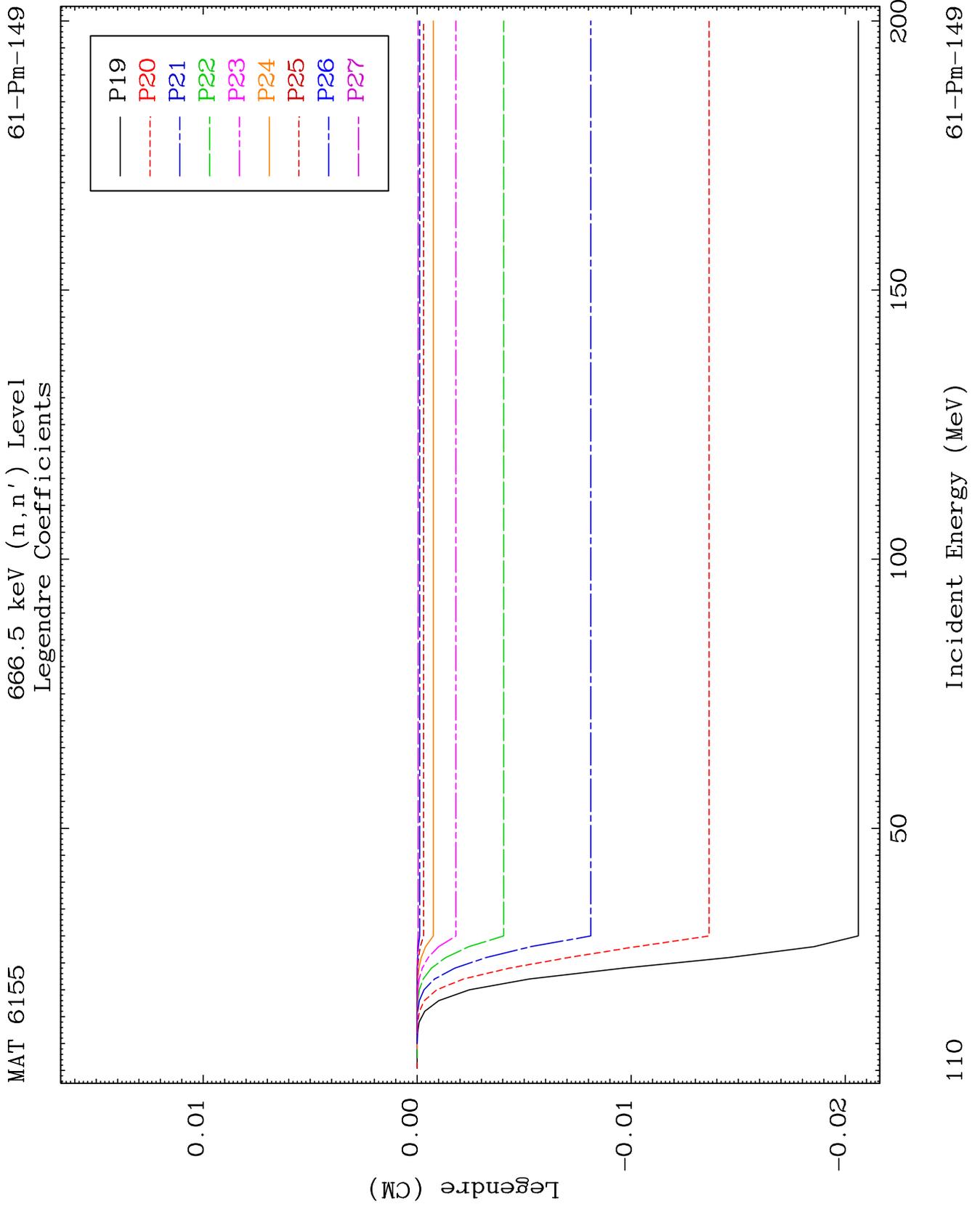
61-Pm-149

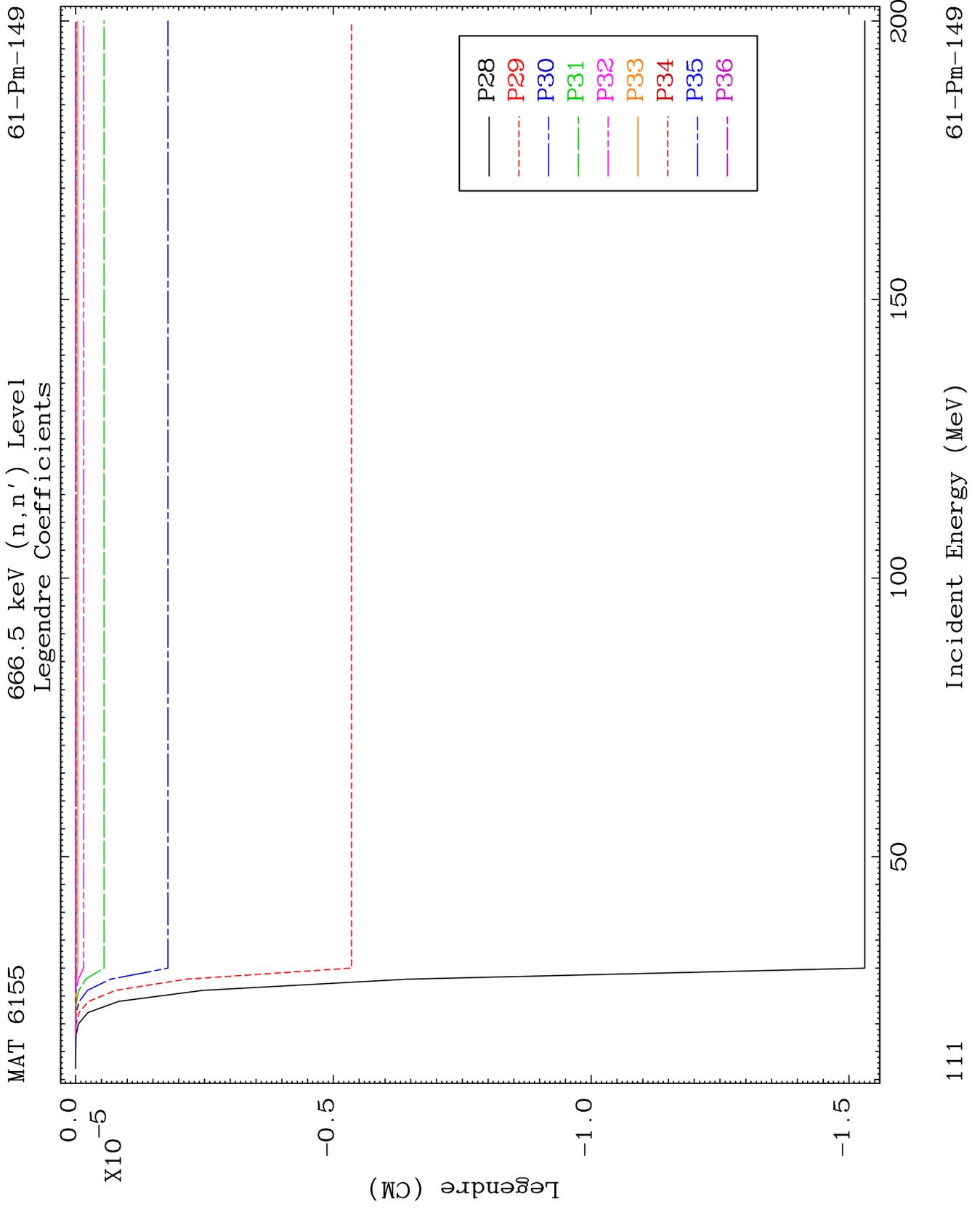
MAT 6155 654.8 keV (n,n') Level Legendre Coefficients 61-Pm-149







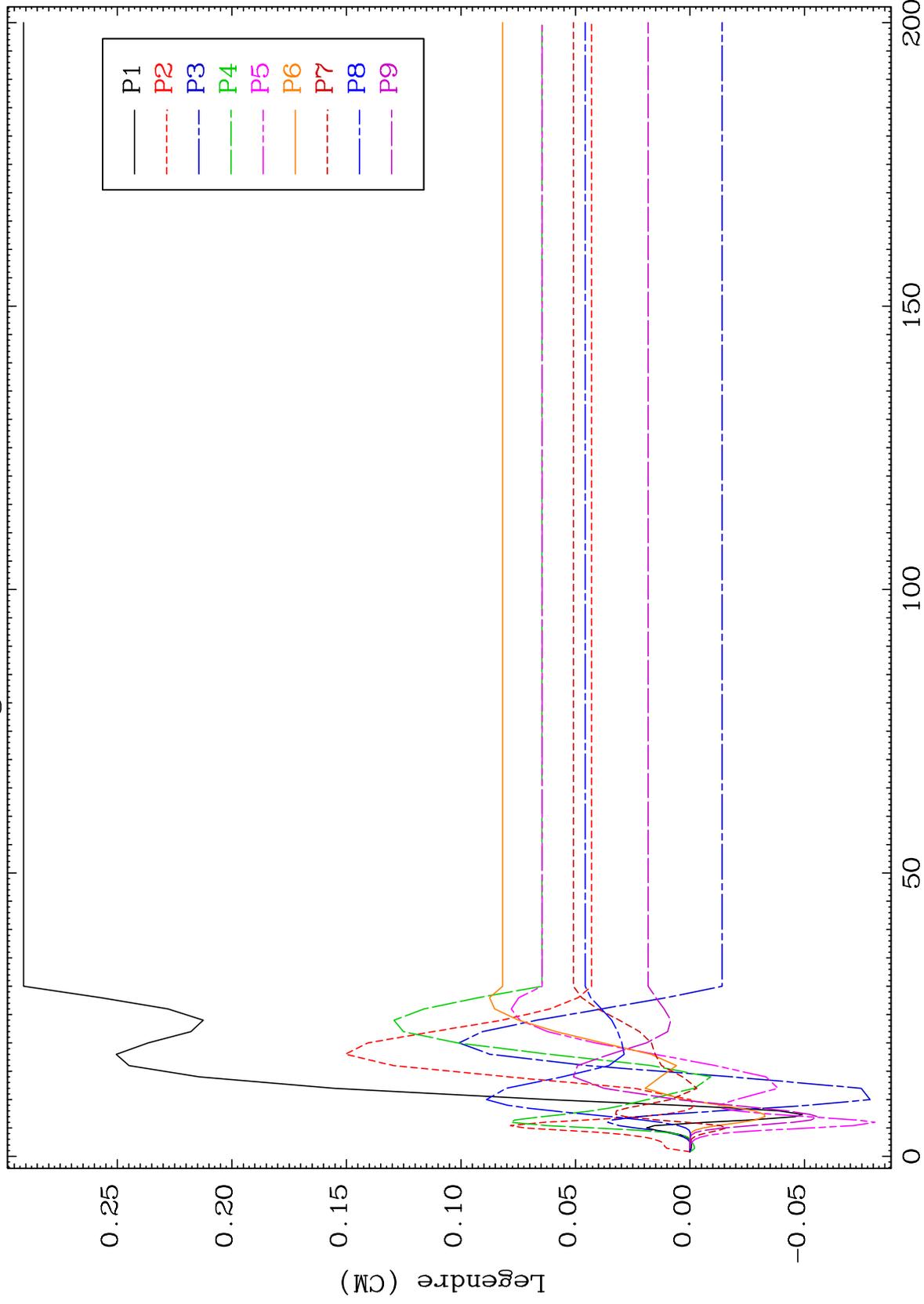




MAT 6155

716.7 keV (n,n') Level  
Legendre Coefficients

61-Pm-149



61-Pm-149

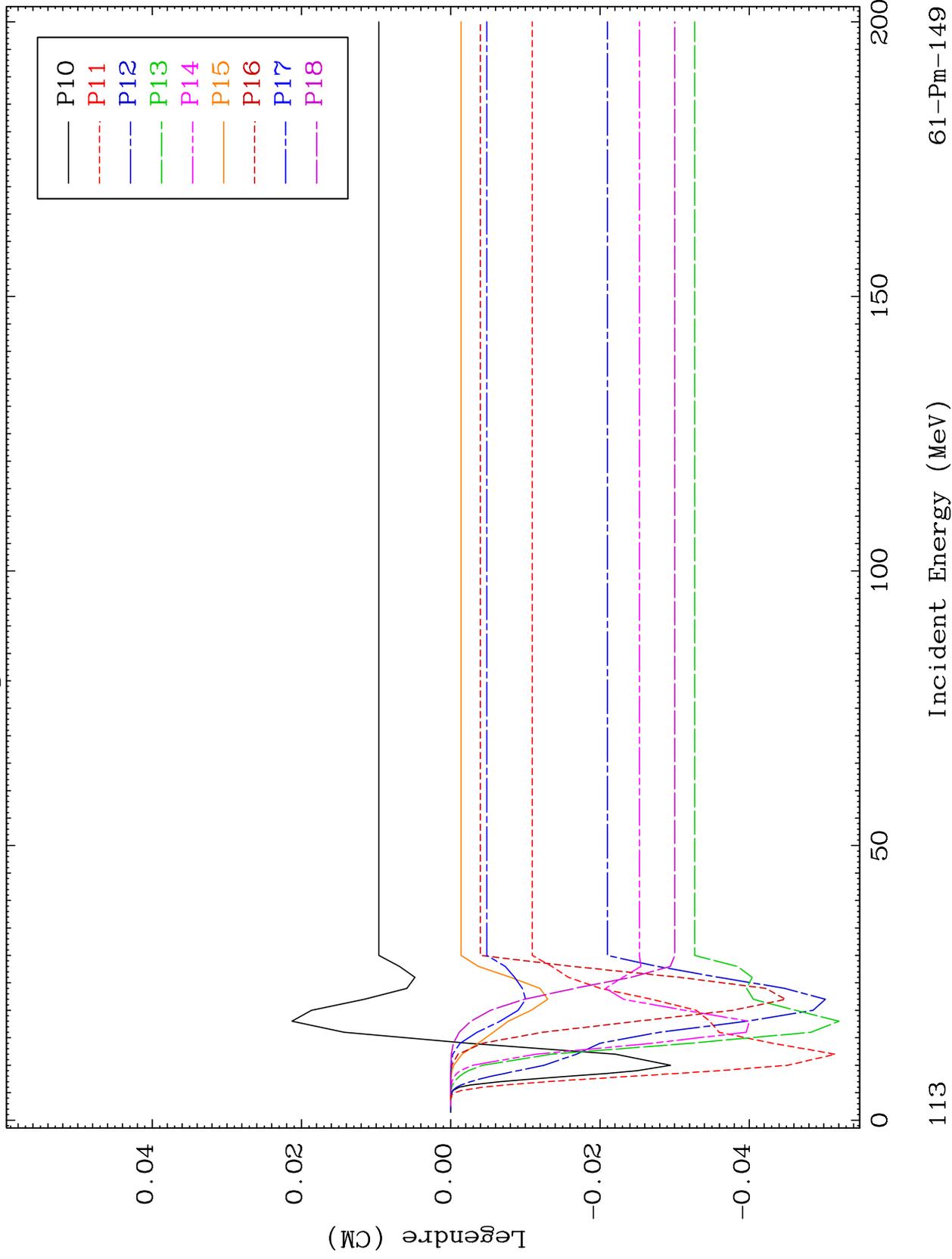
Incident Energy (MeV)

112

MAT 6155

716.7 keV (n,n') Level  
Legendre Coefficients

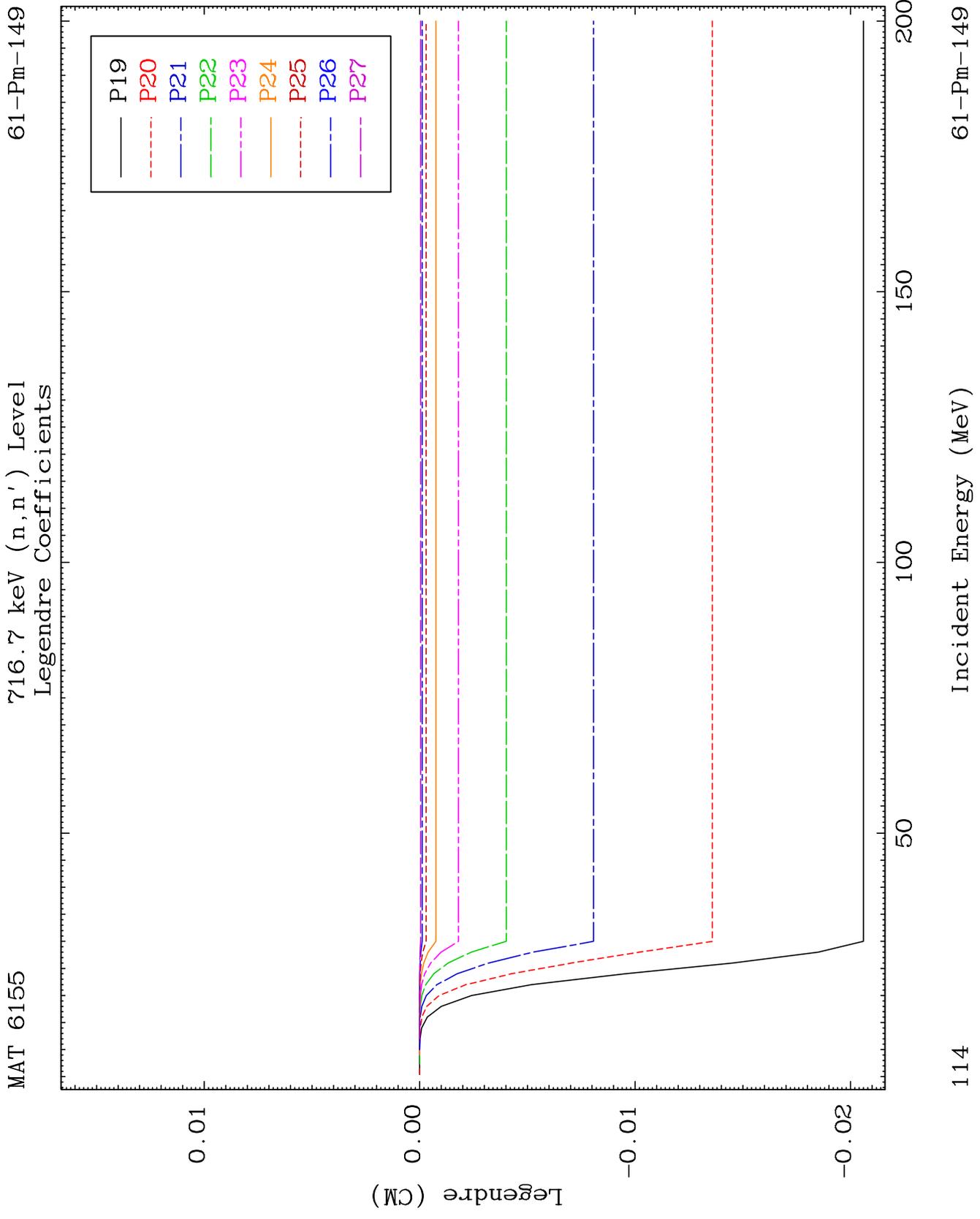
61-Pm-149

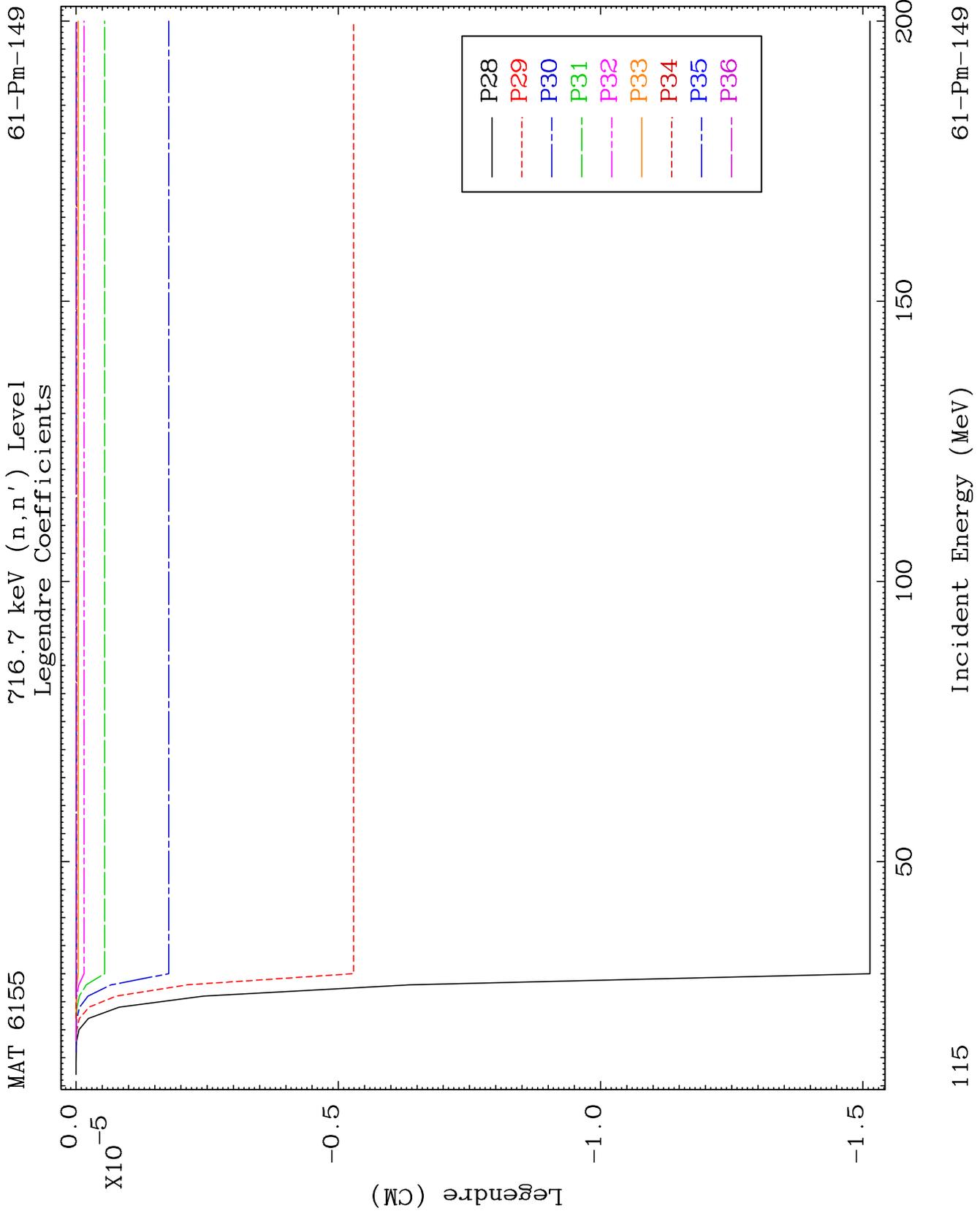


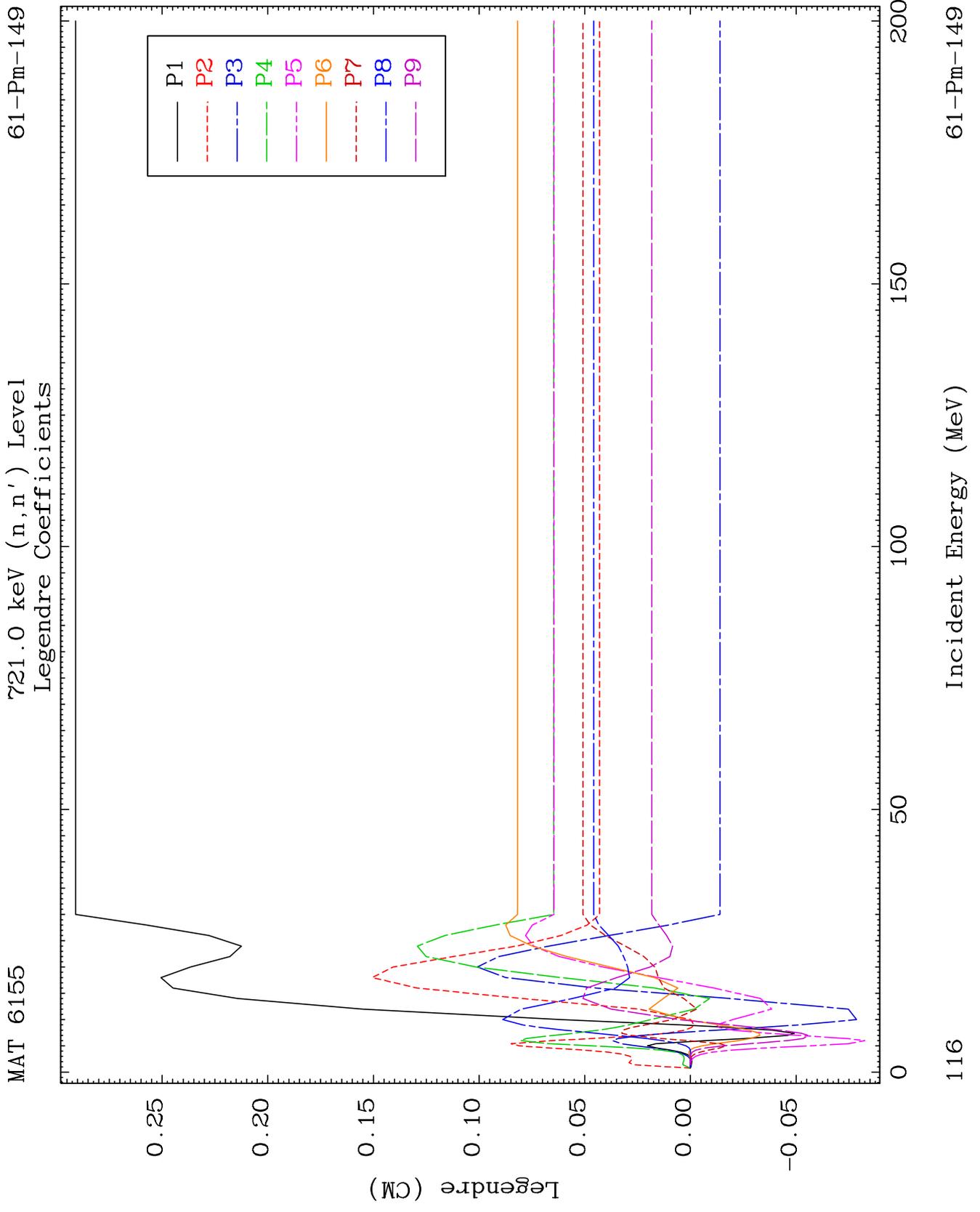
61-Pm-149

Incident Energy (MeV)

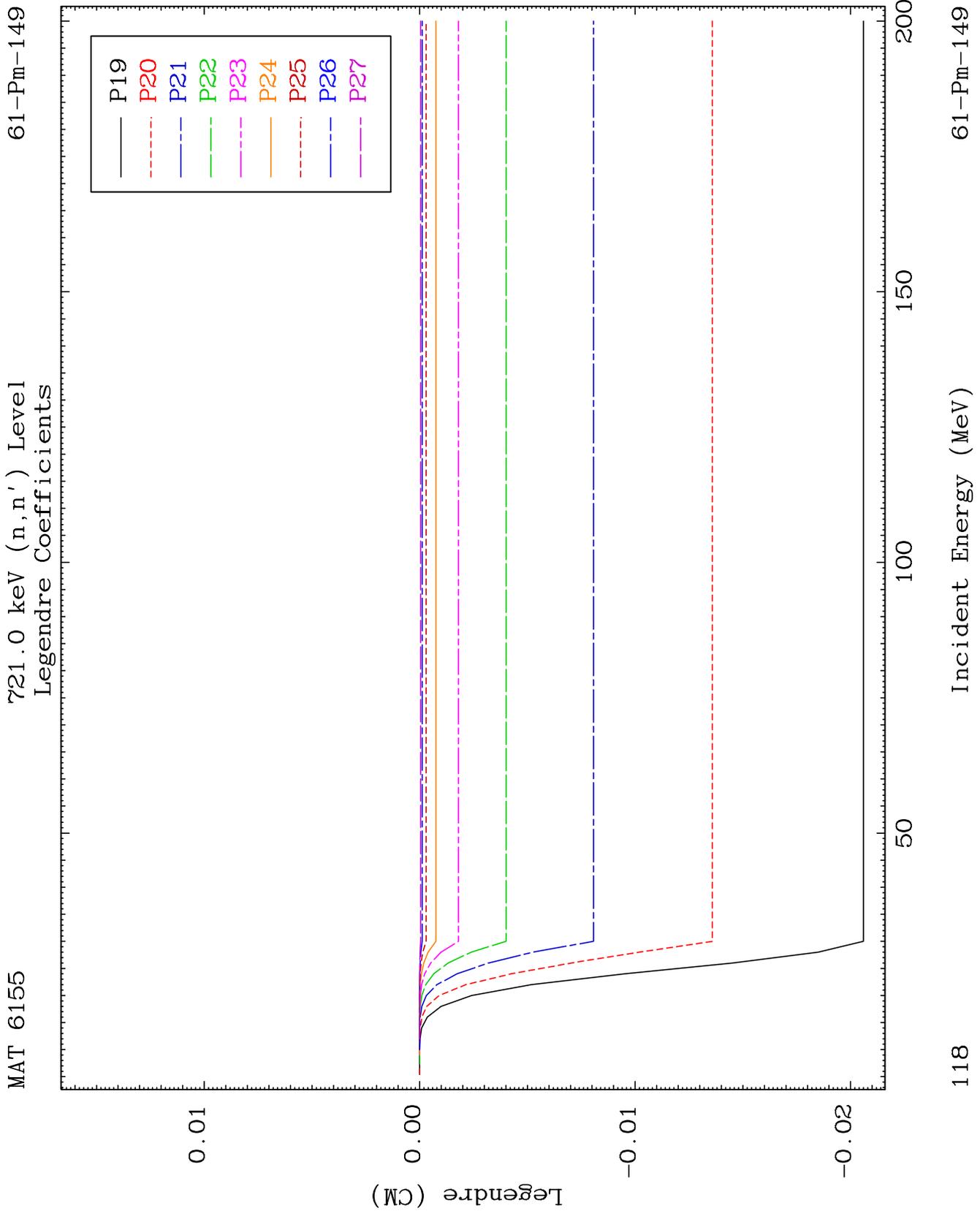
113



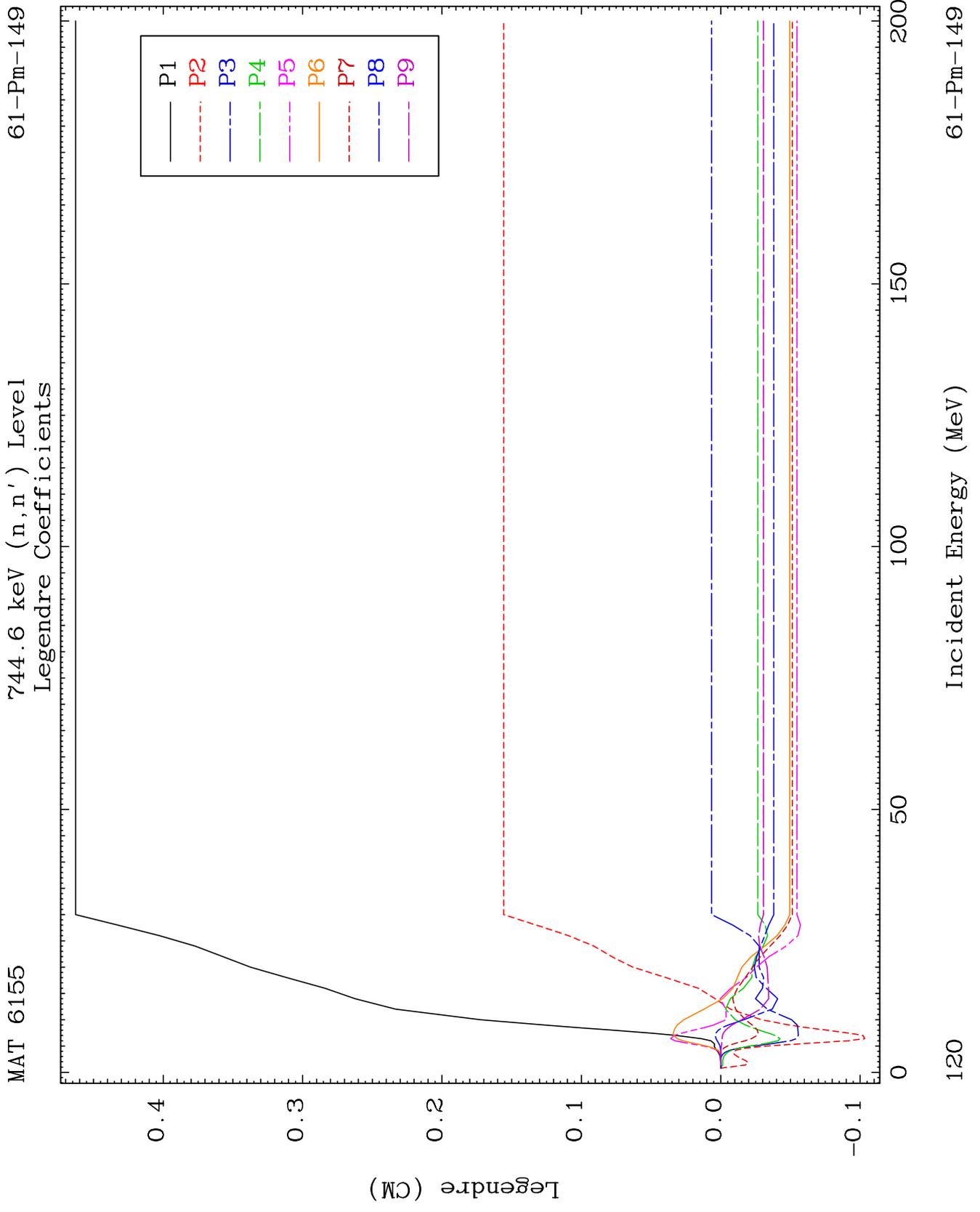










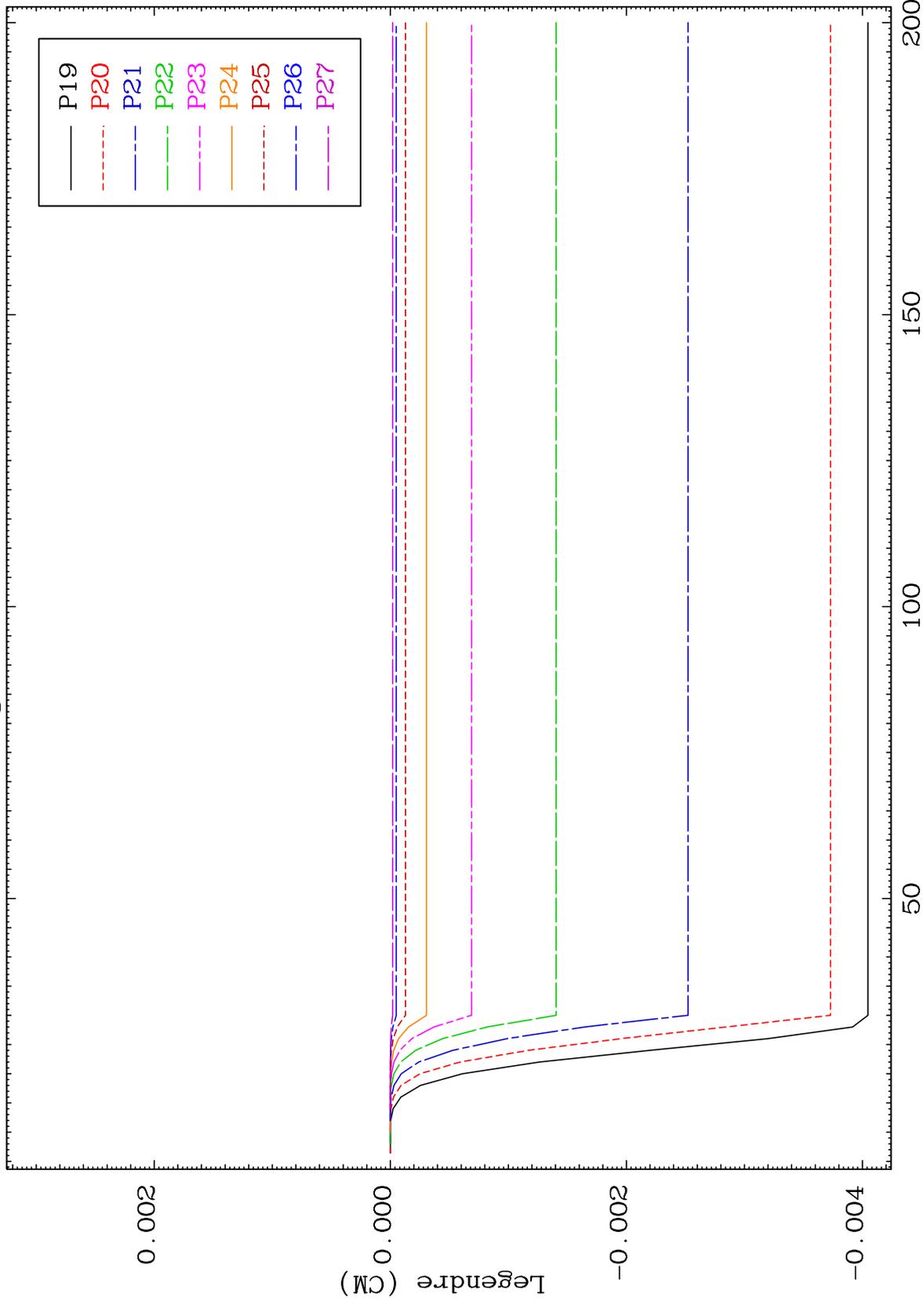




MAT 6155

744.6 keV (n,n') Level  
Legendre Coefficients

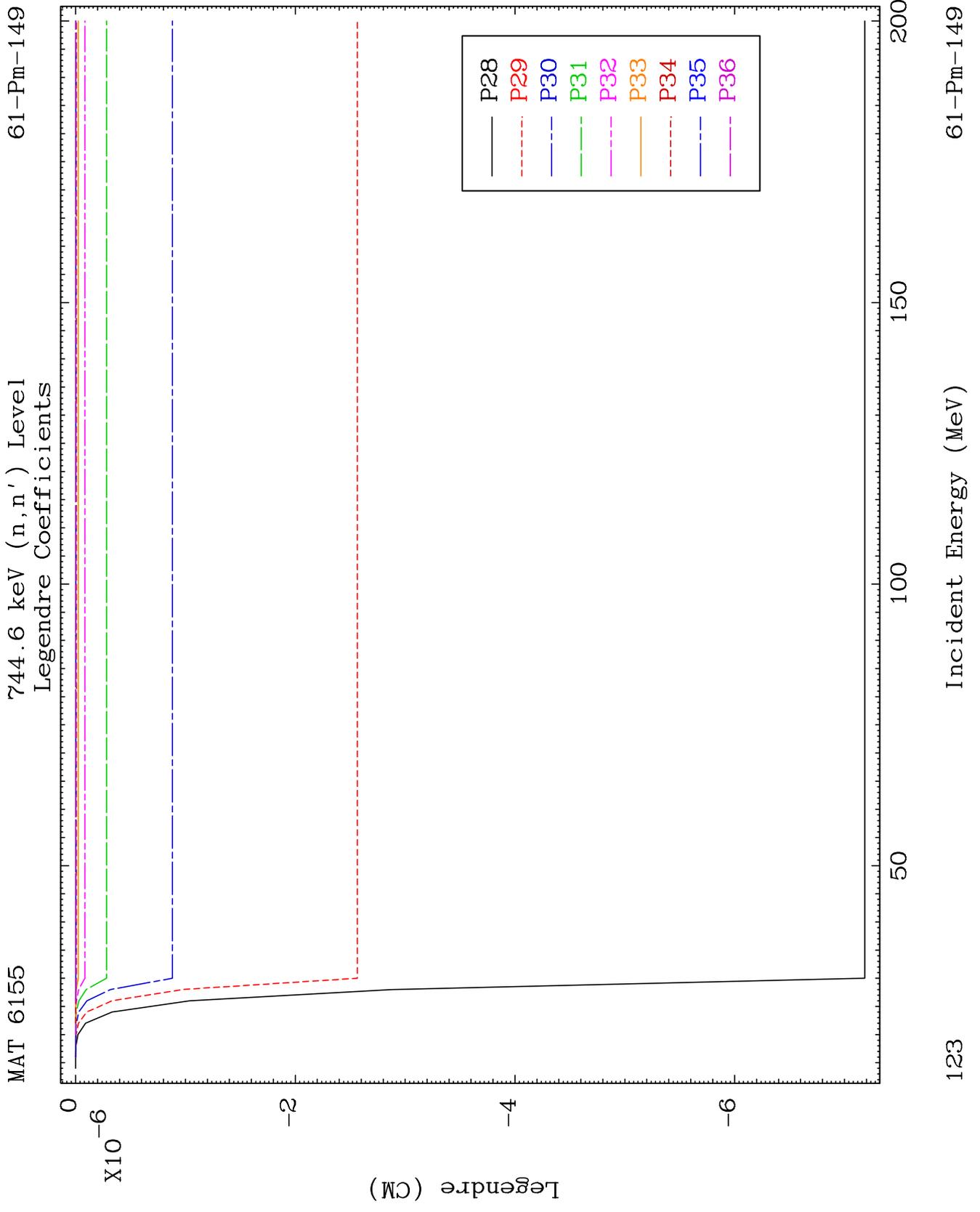
61-Pm-149



122

Incident Energy (MeV)

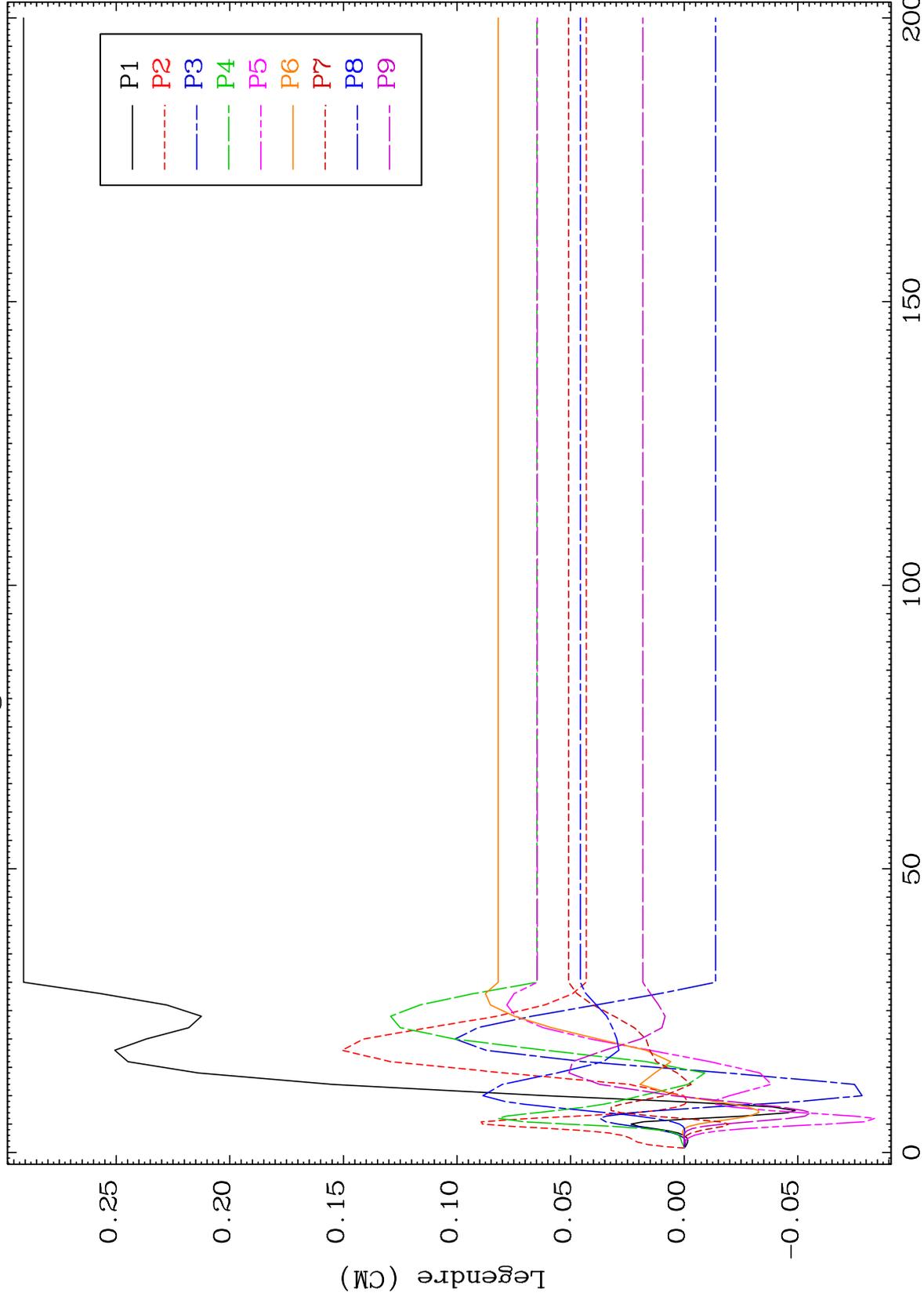
61-Pm-149



MAT 6155

750.4 keV (n,n') Level  
Legendre Coefficients

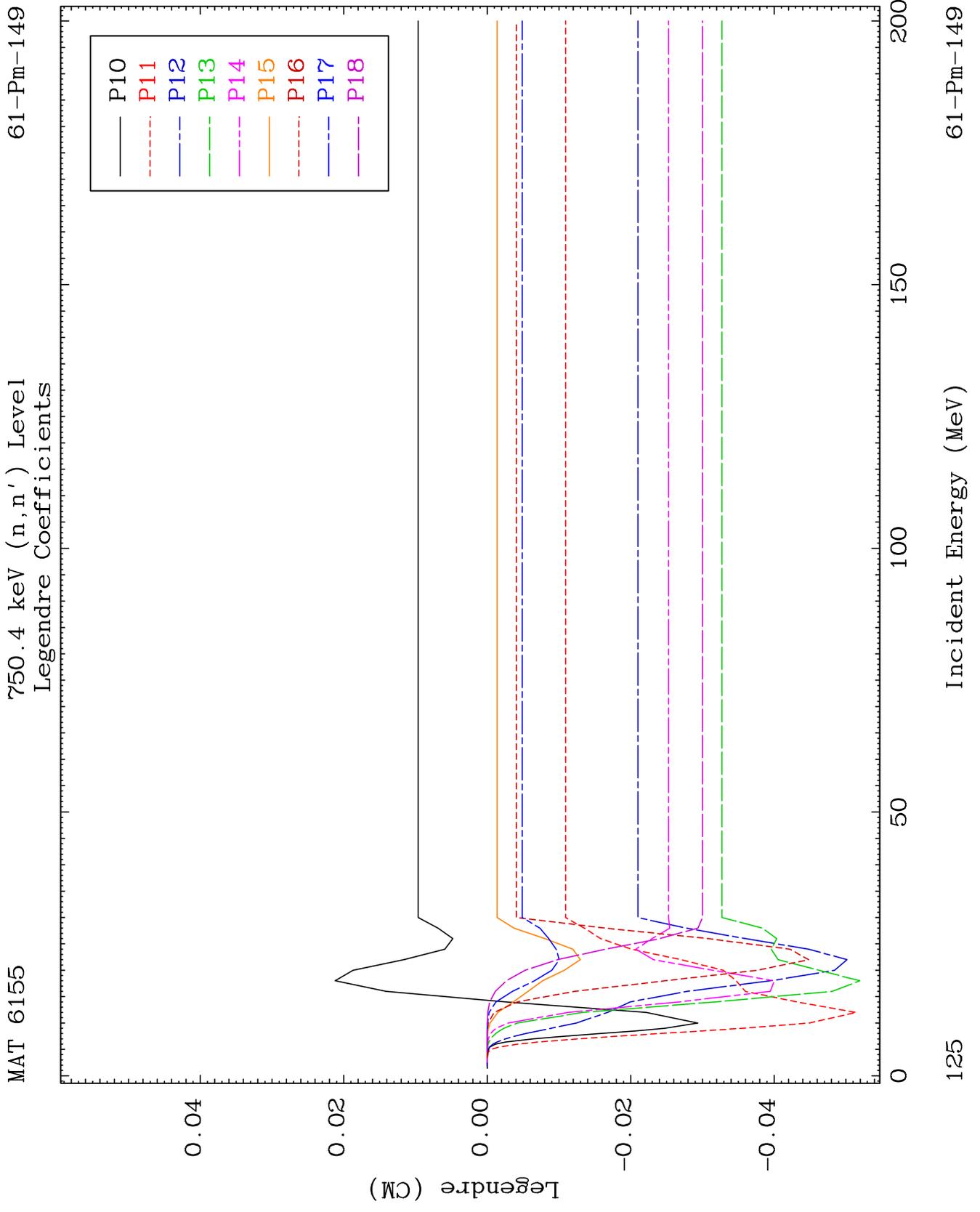
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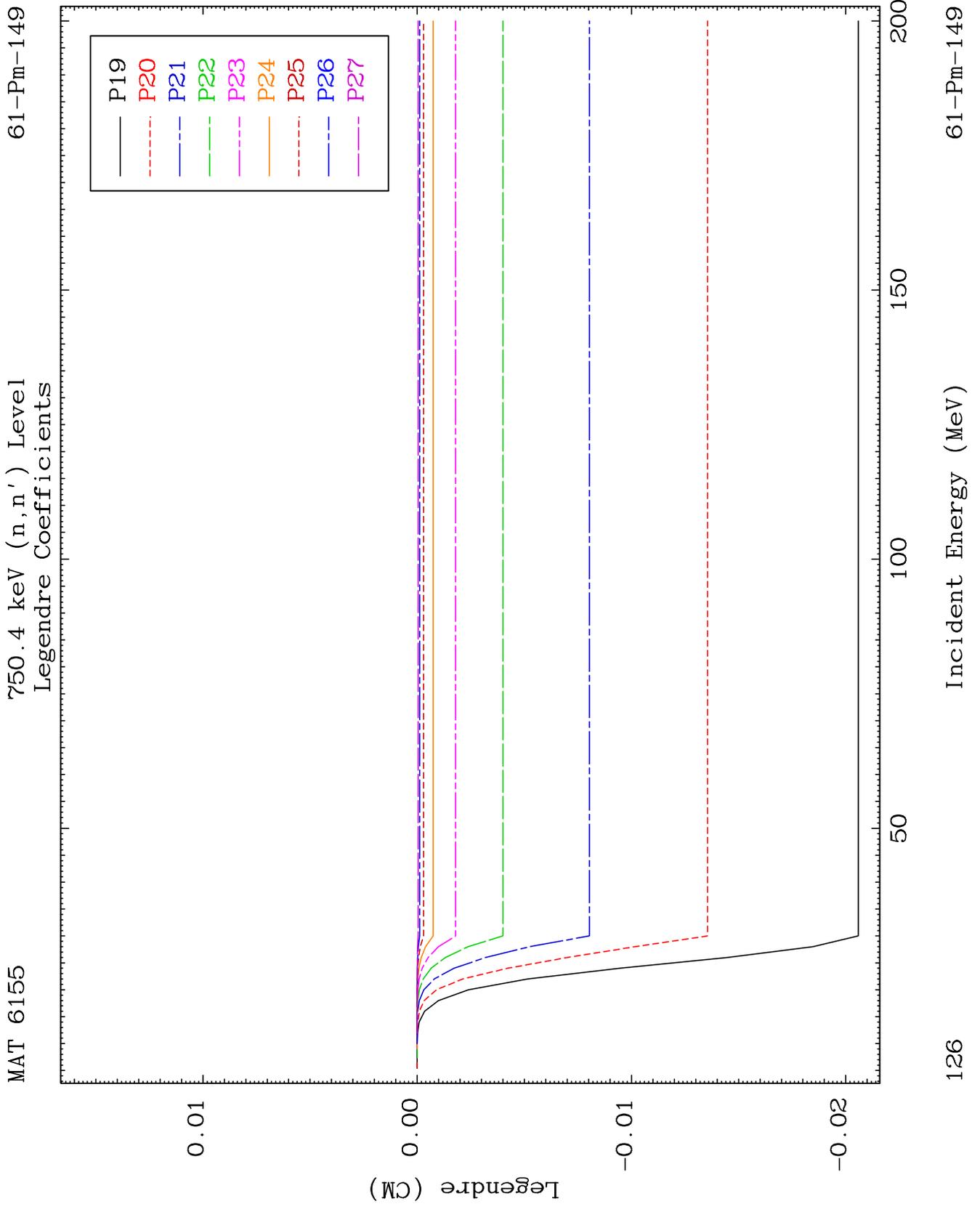


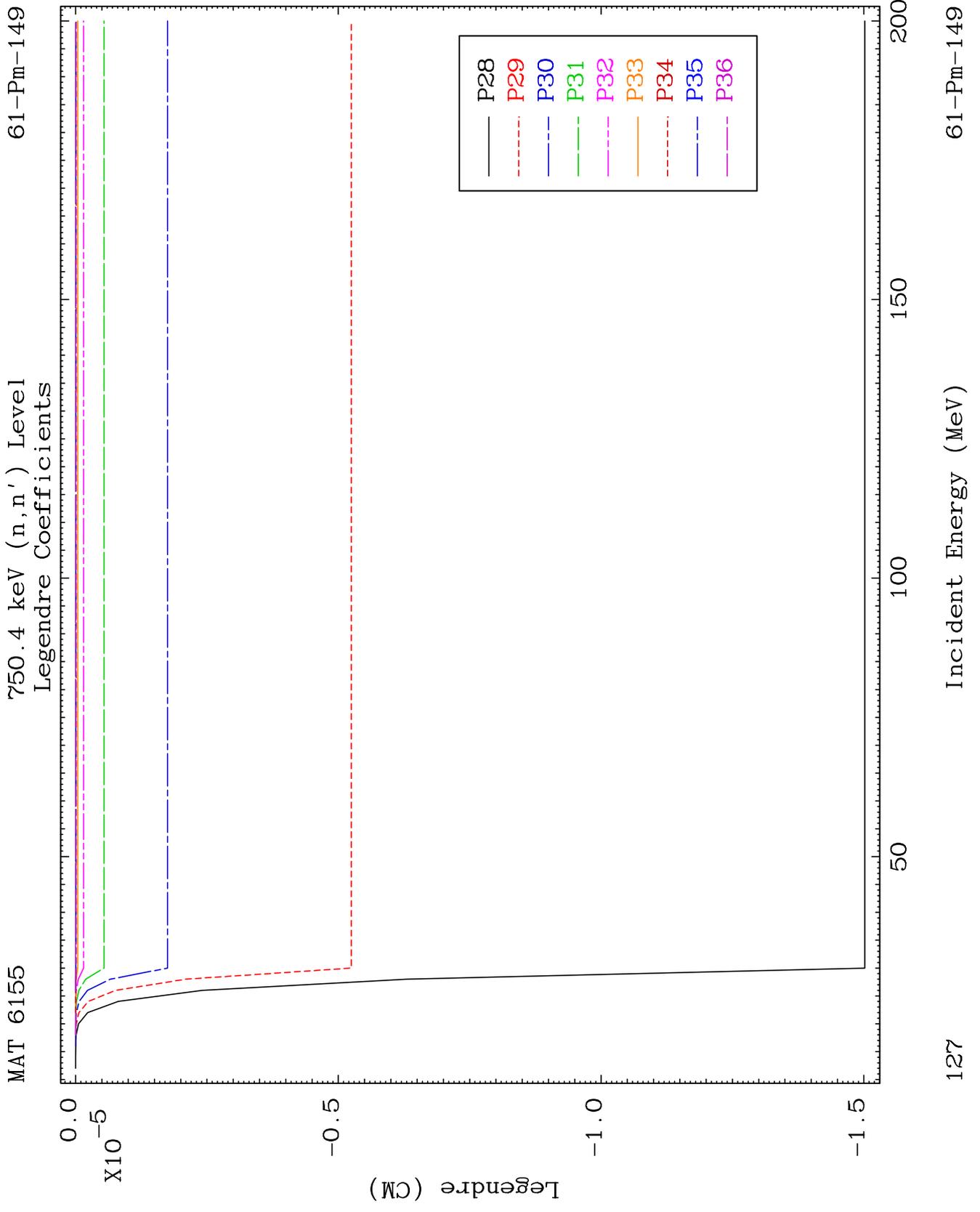
124

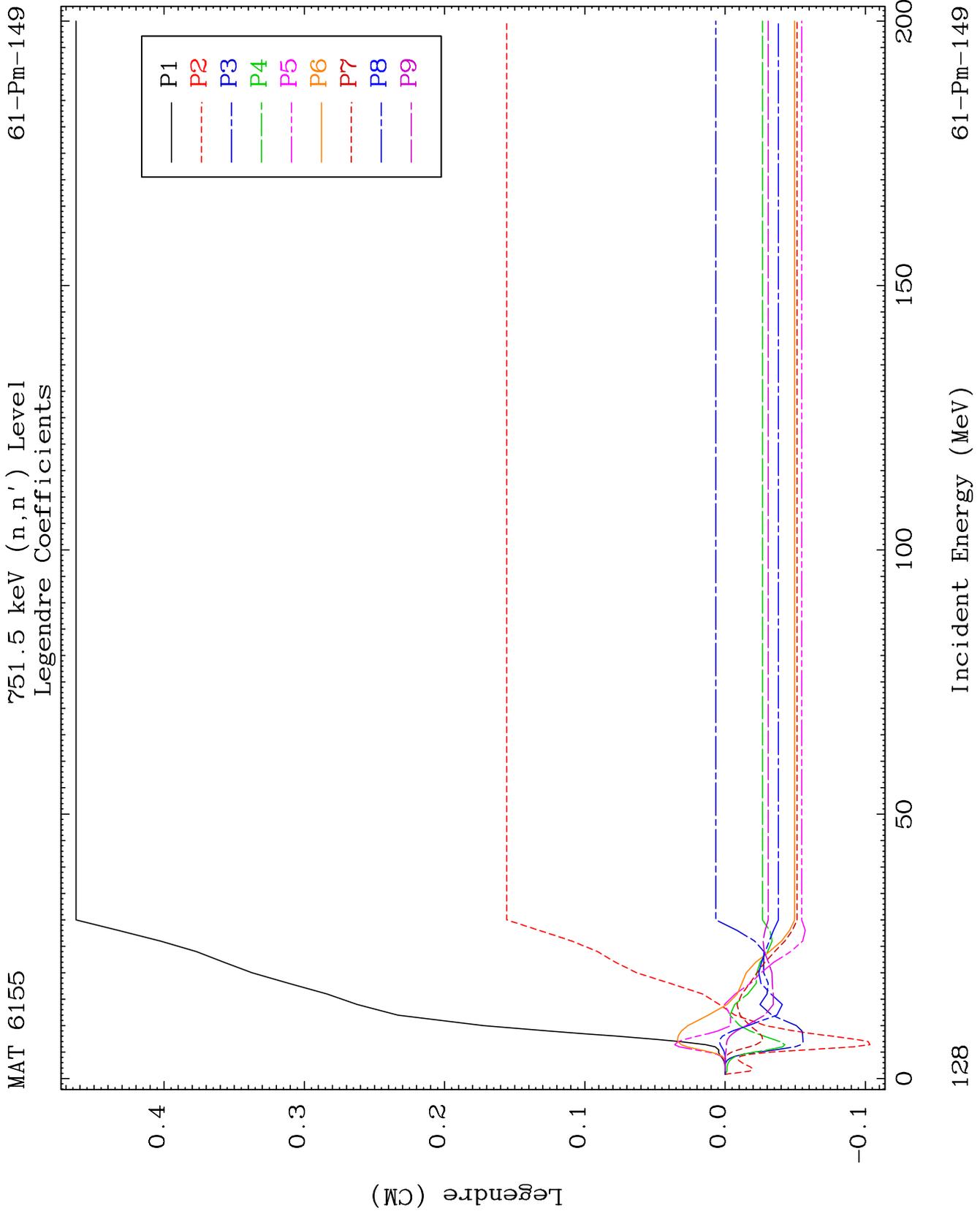
Incident Energy (MeV)

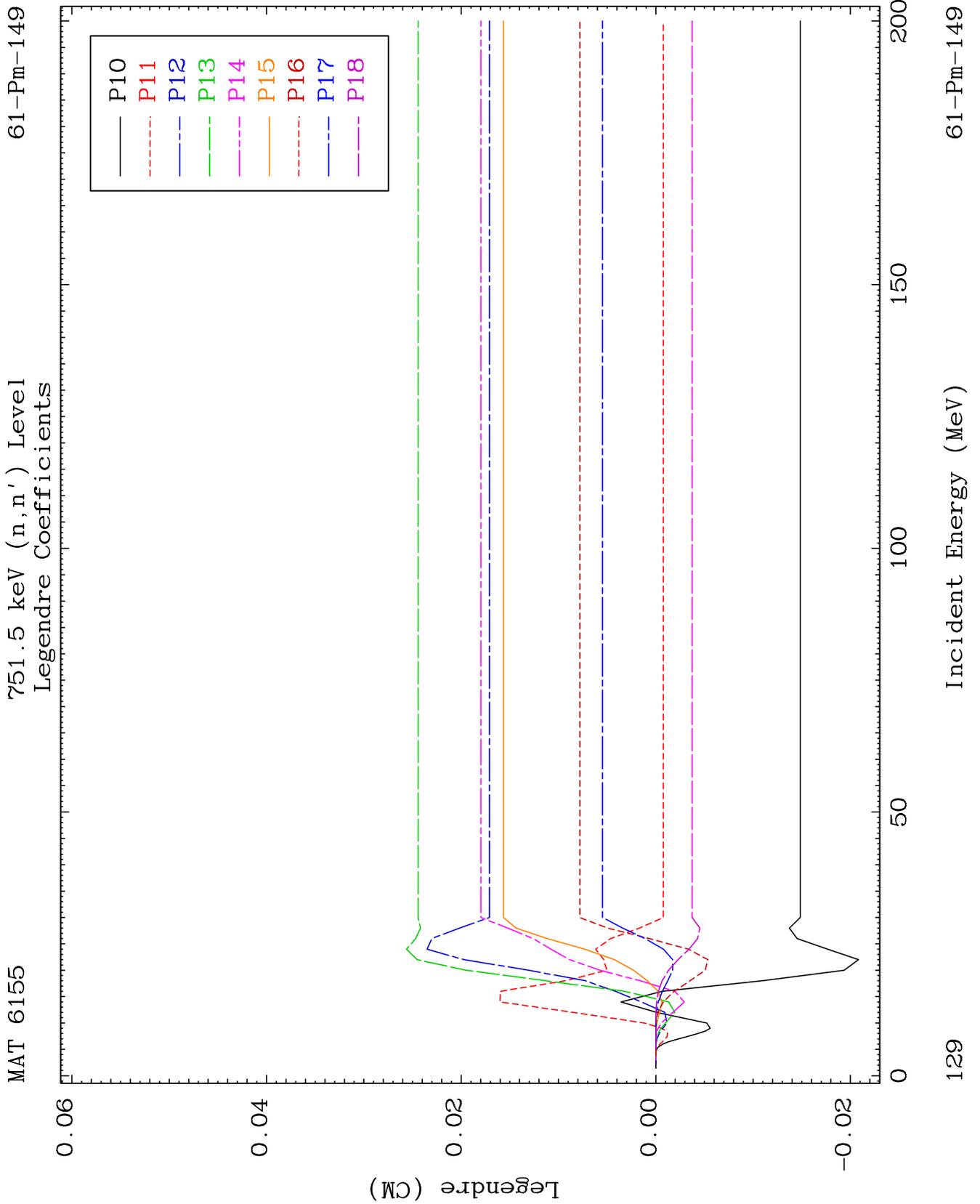
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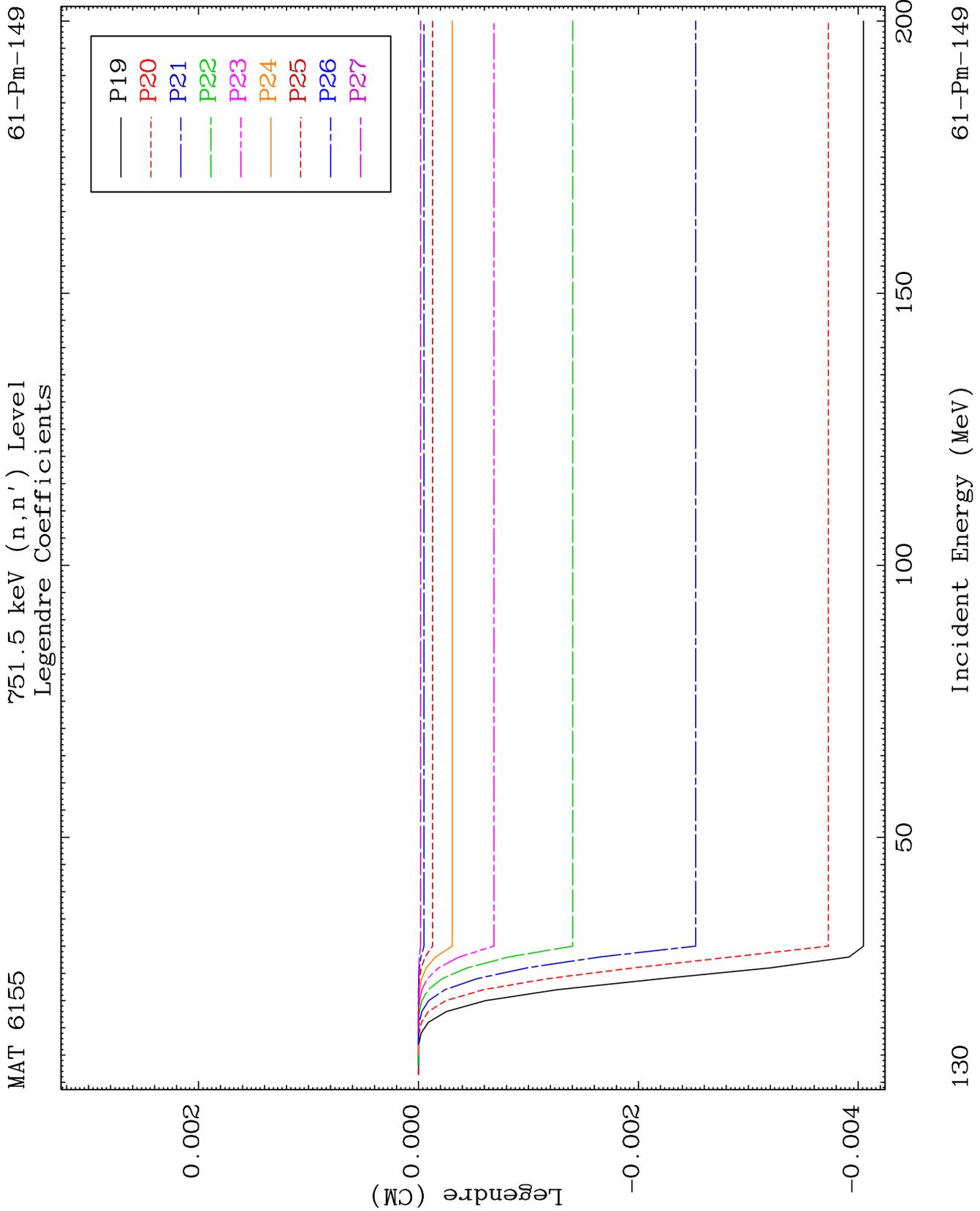


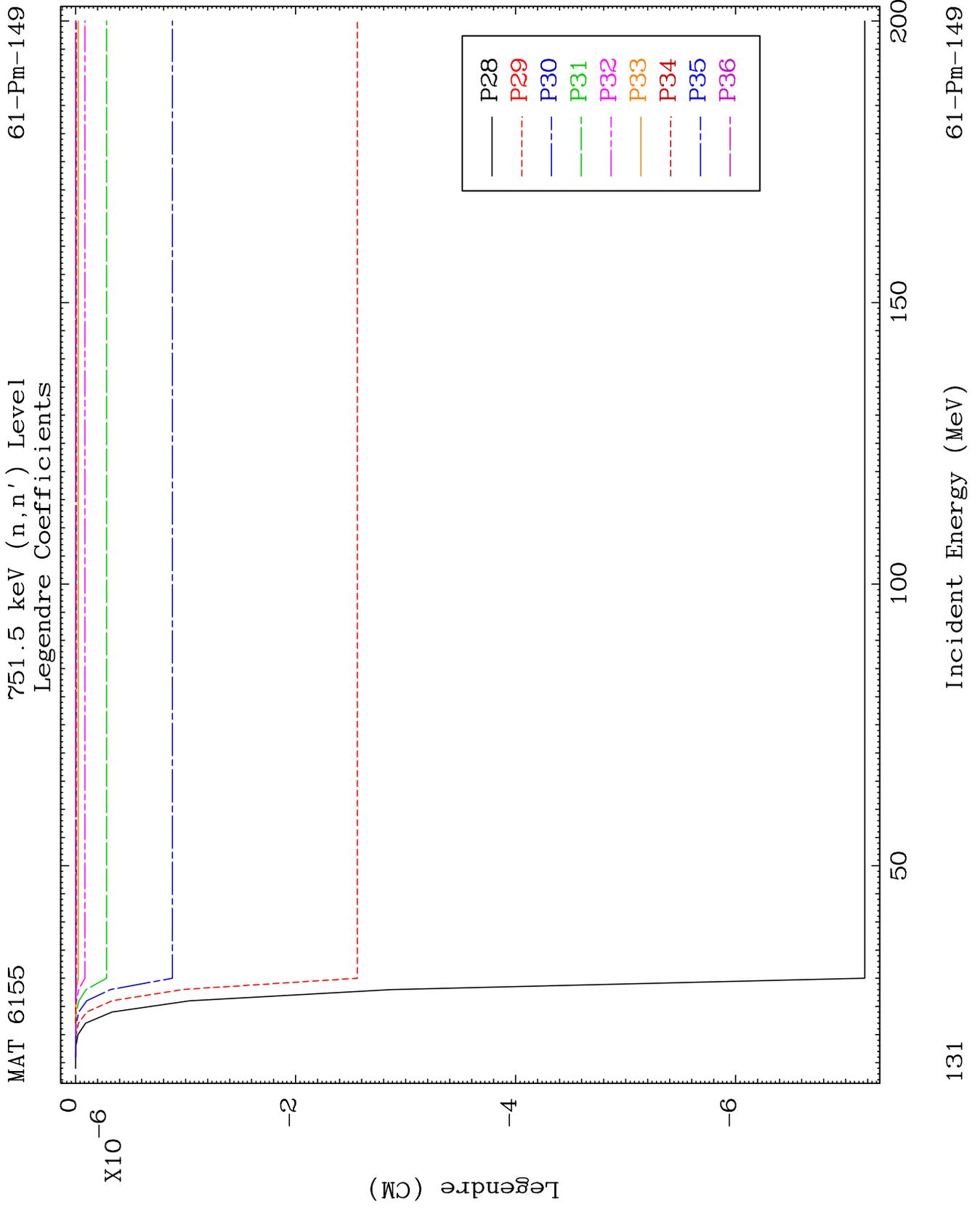








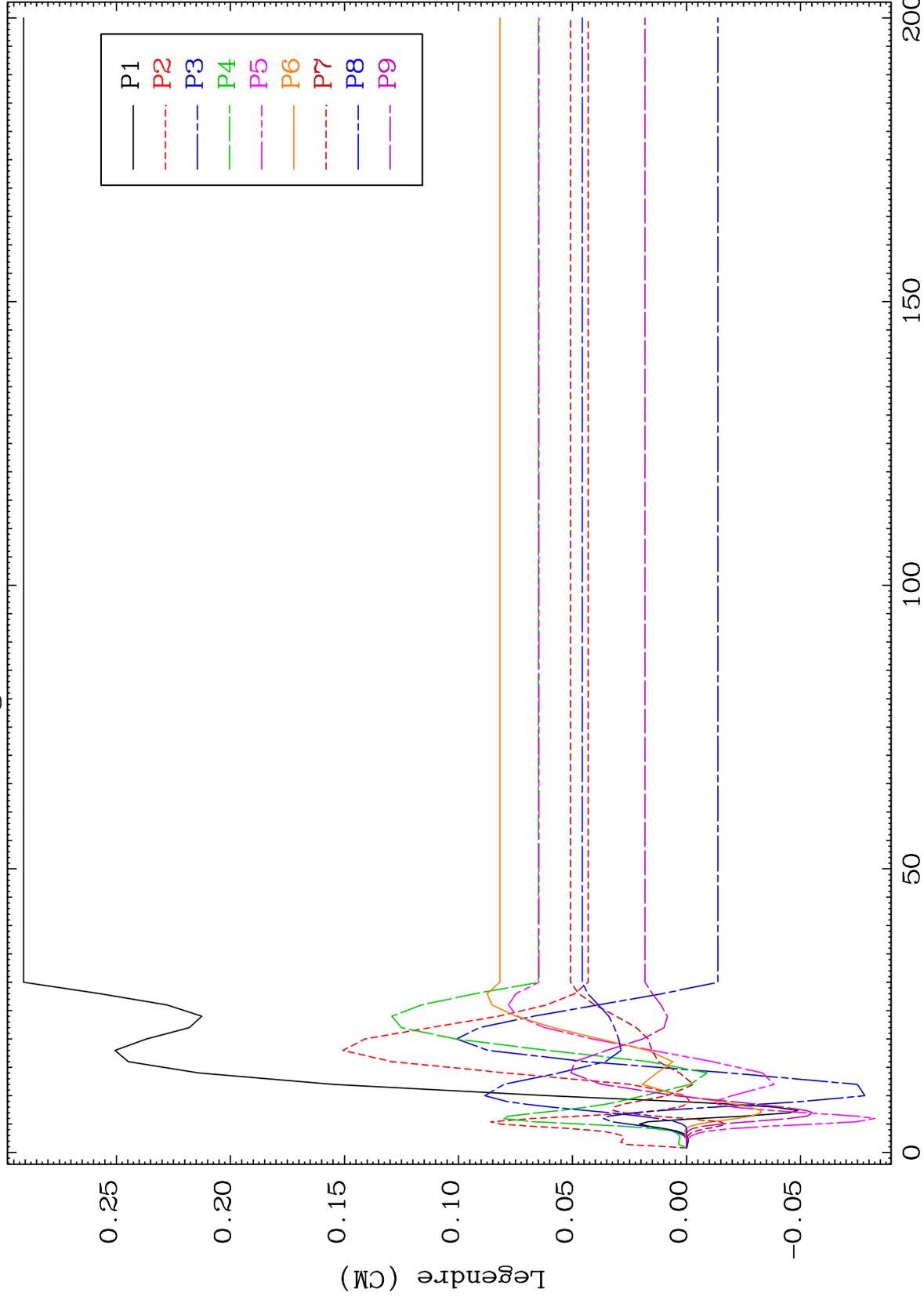




MAT 6155

758.6 keV (n,n') Level  
Legendre Coefficients

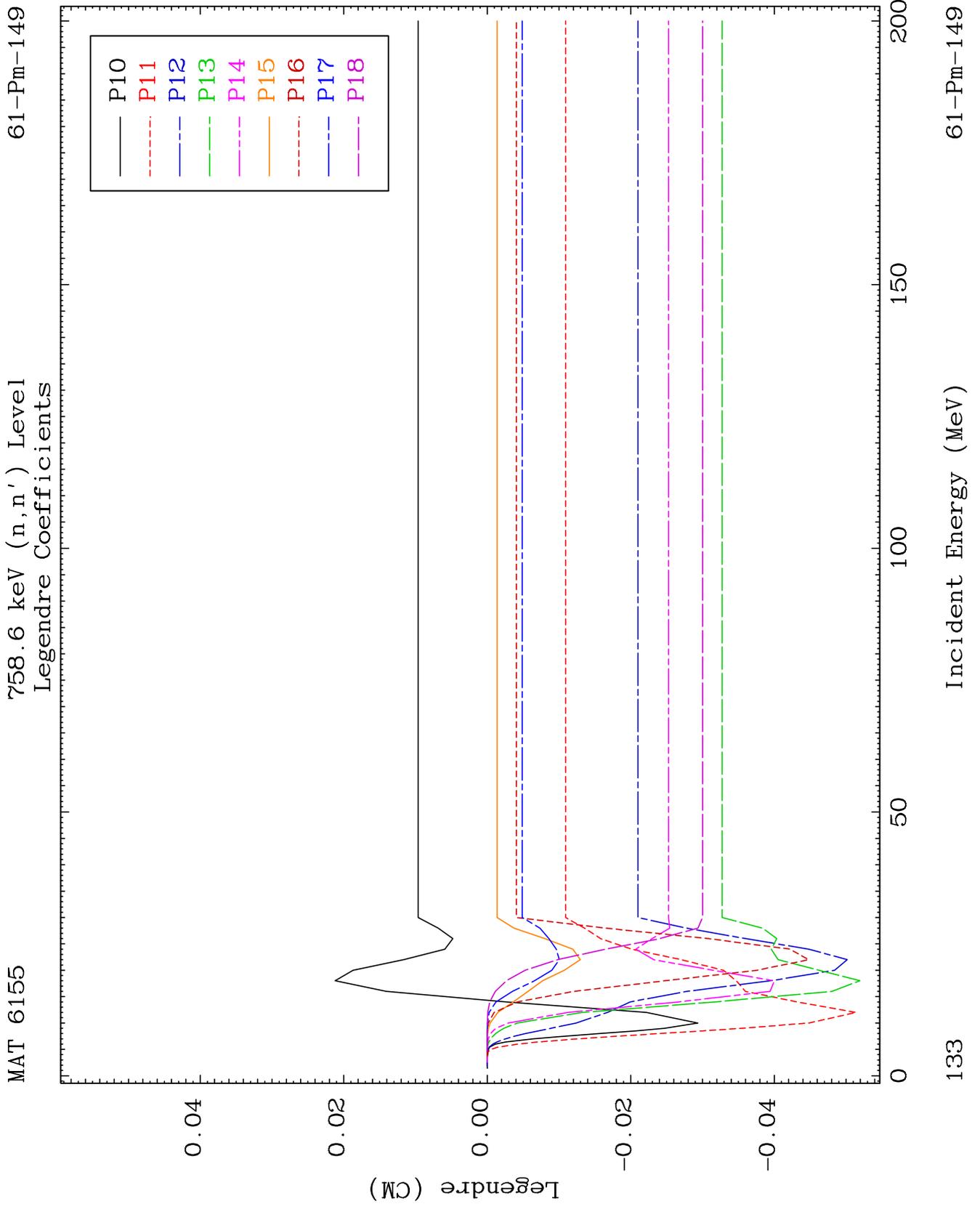
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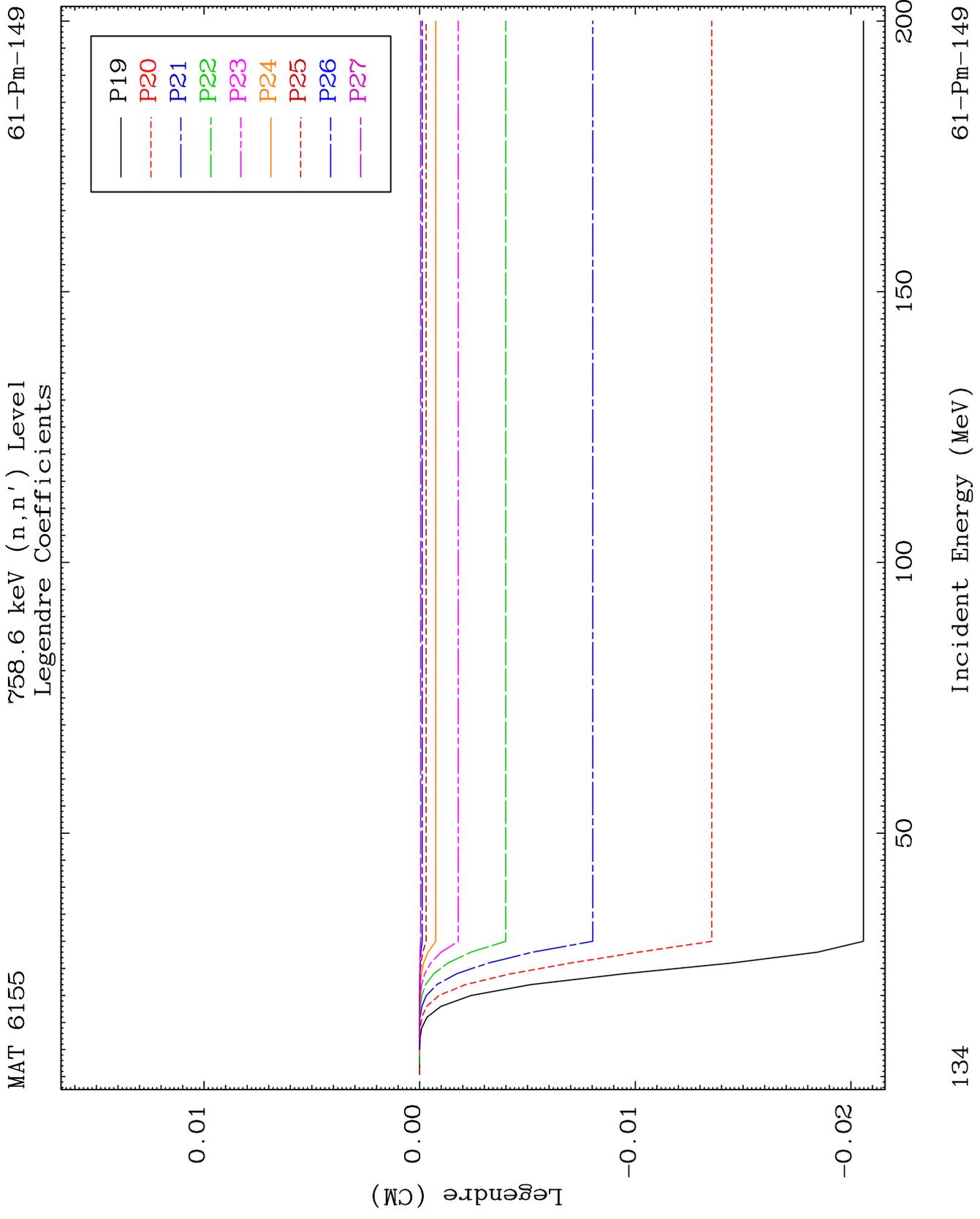


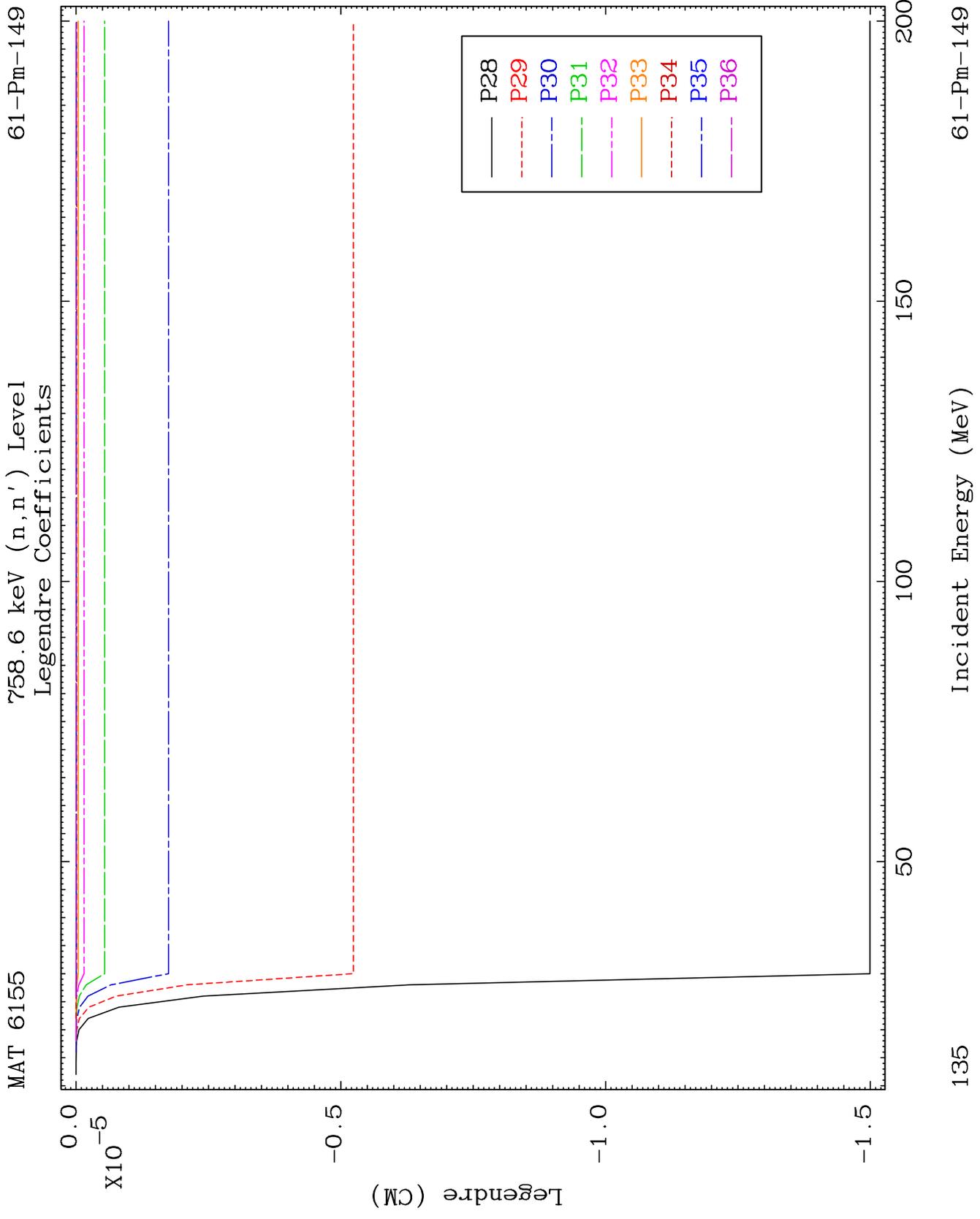
132

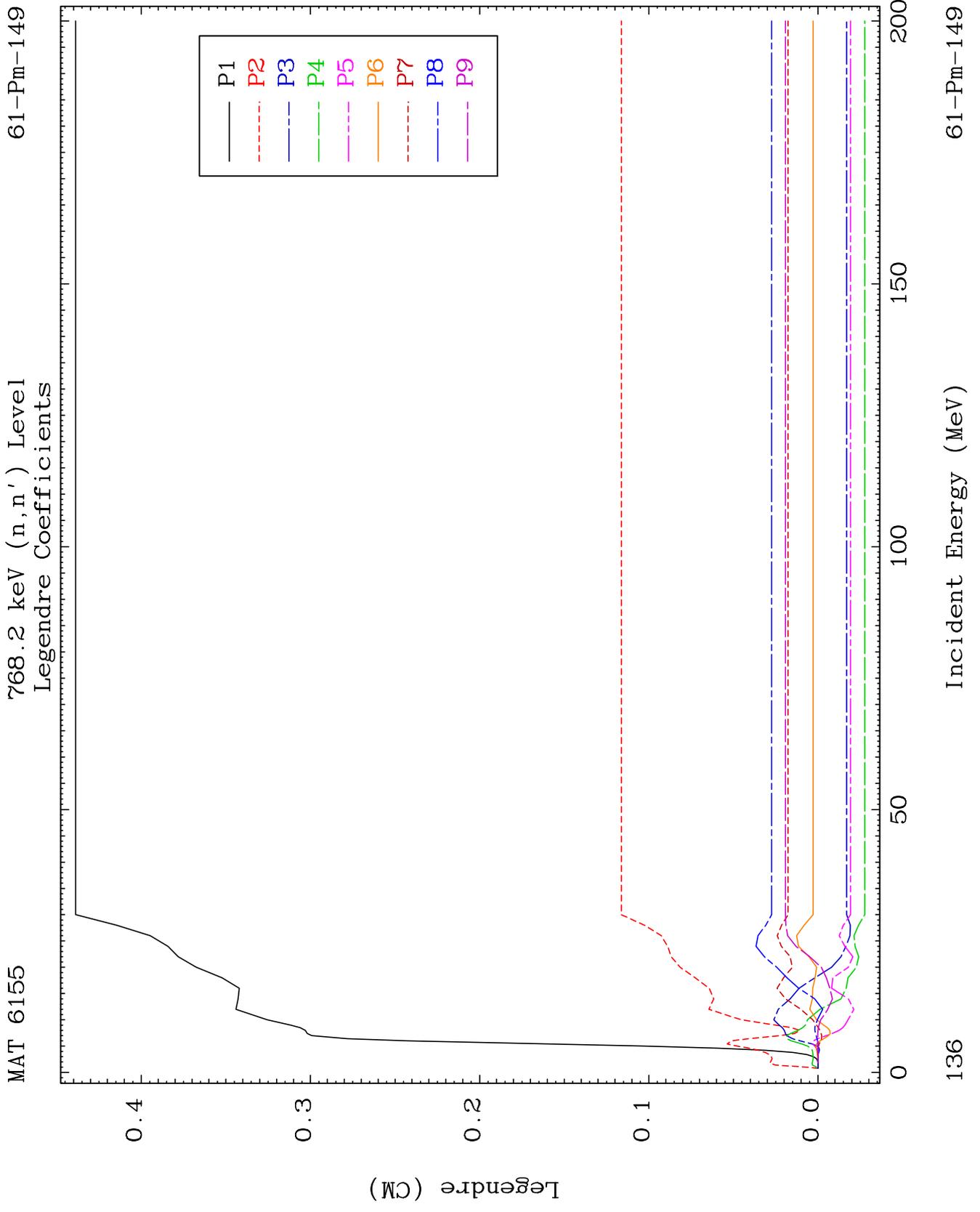
Incident Energy (MeV)

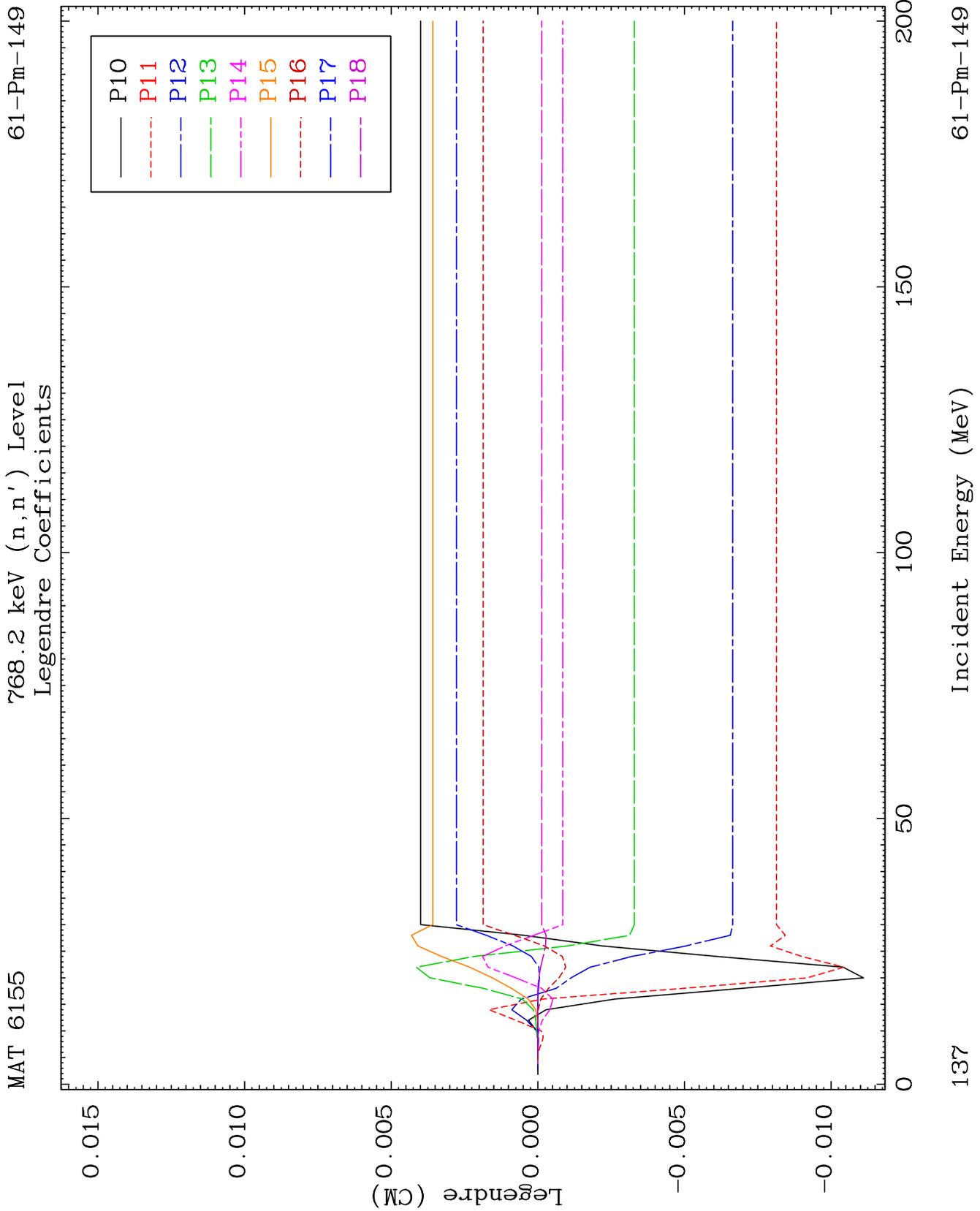
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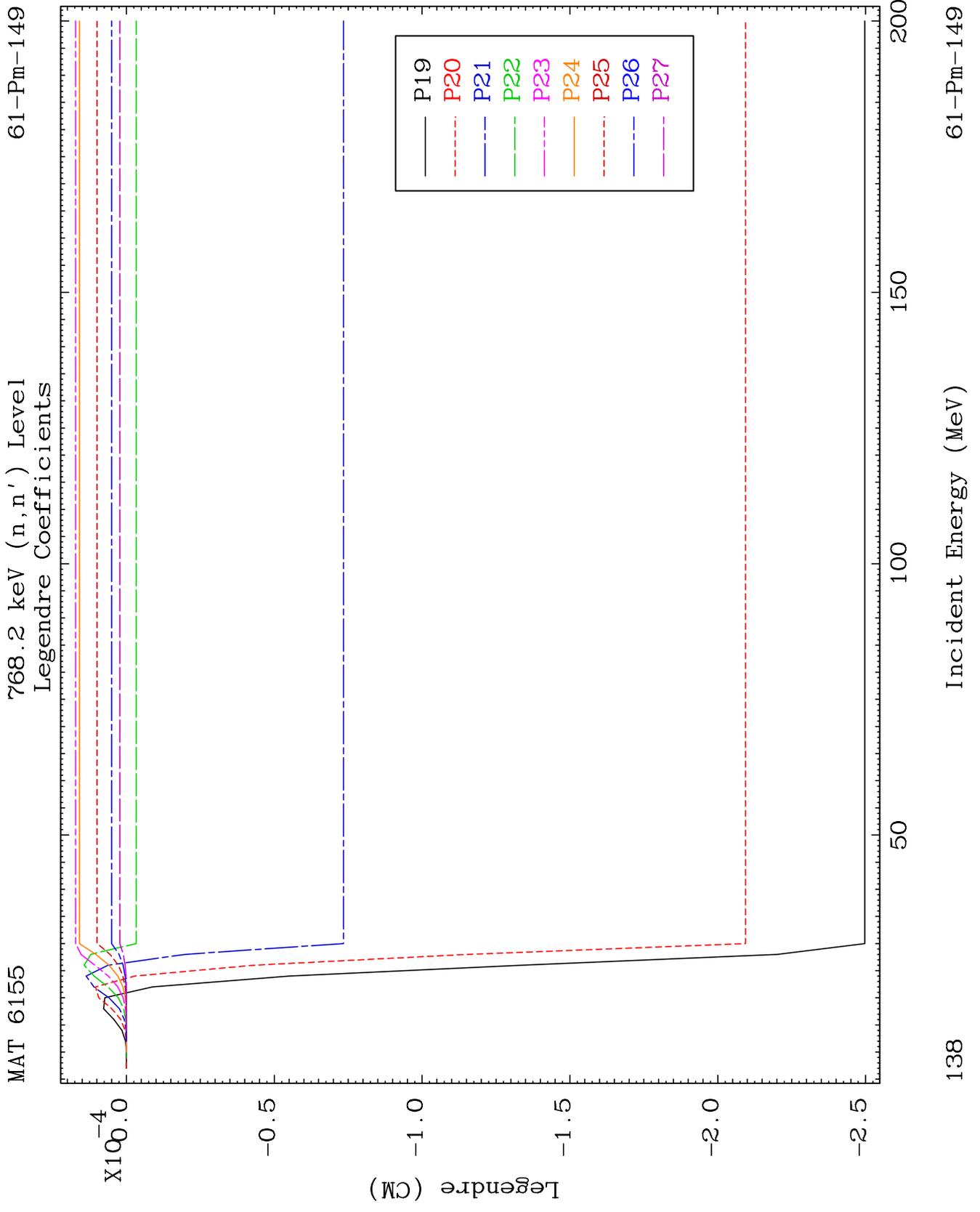


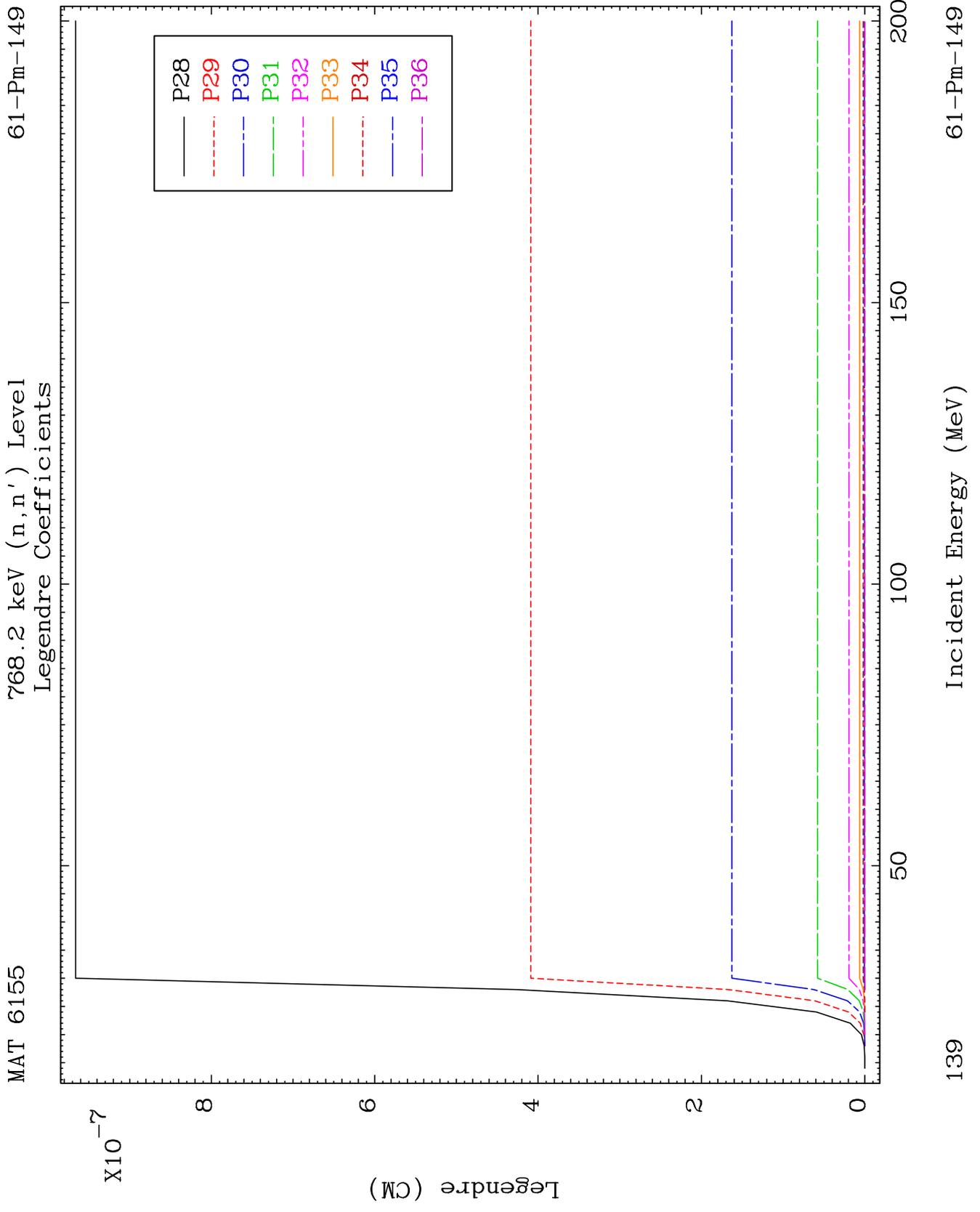










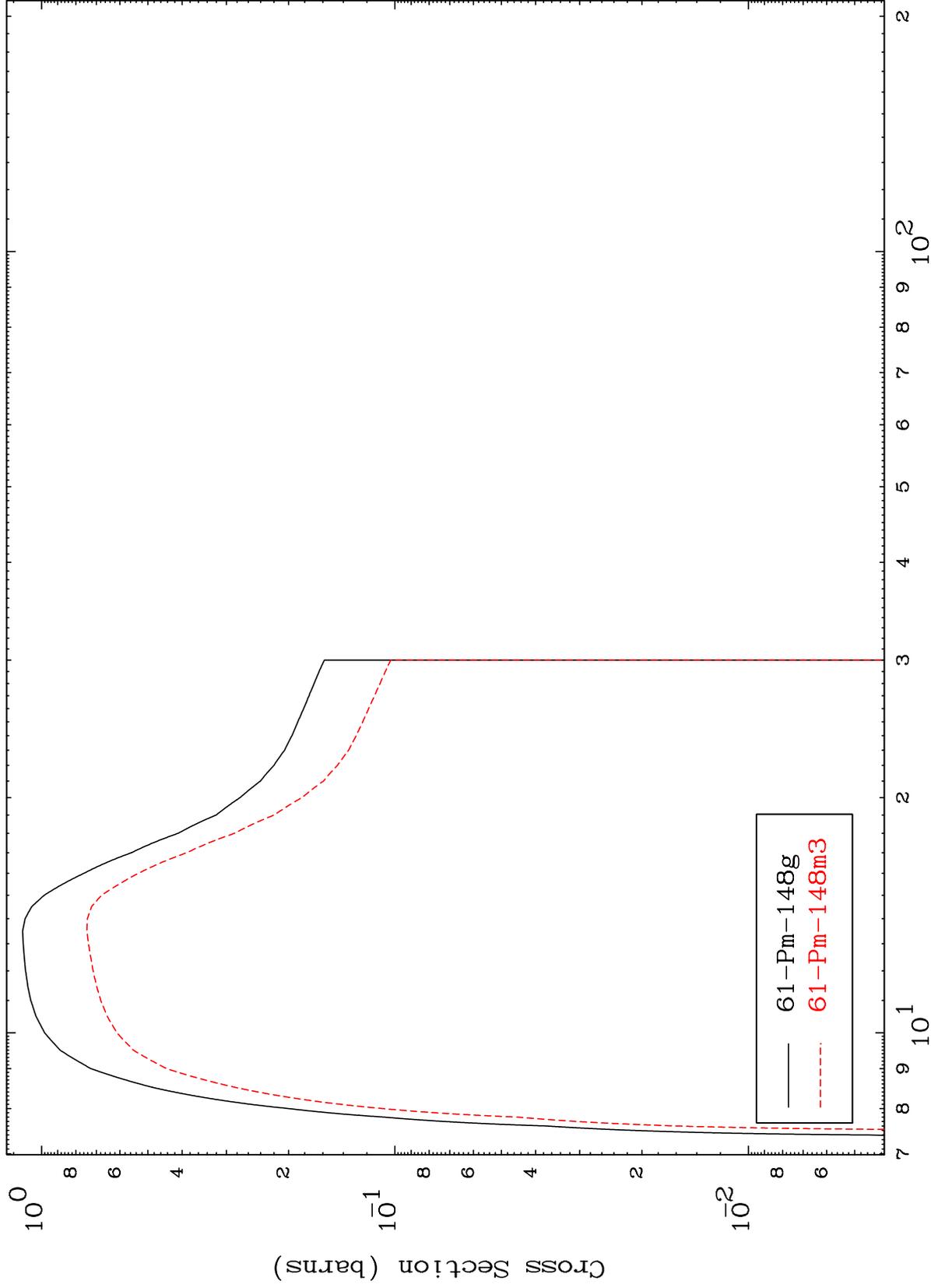


MAT 6155

(n,2n)

61-Pm-149

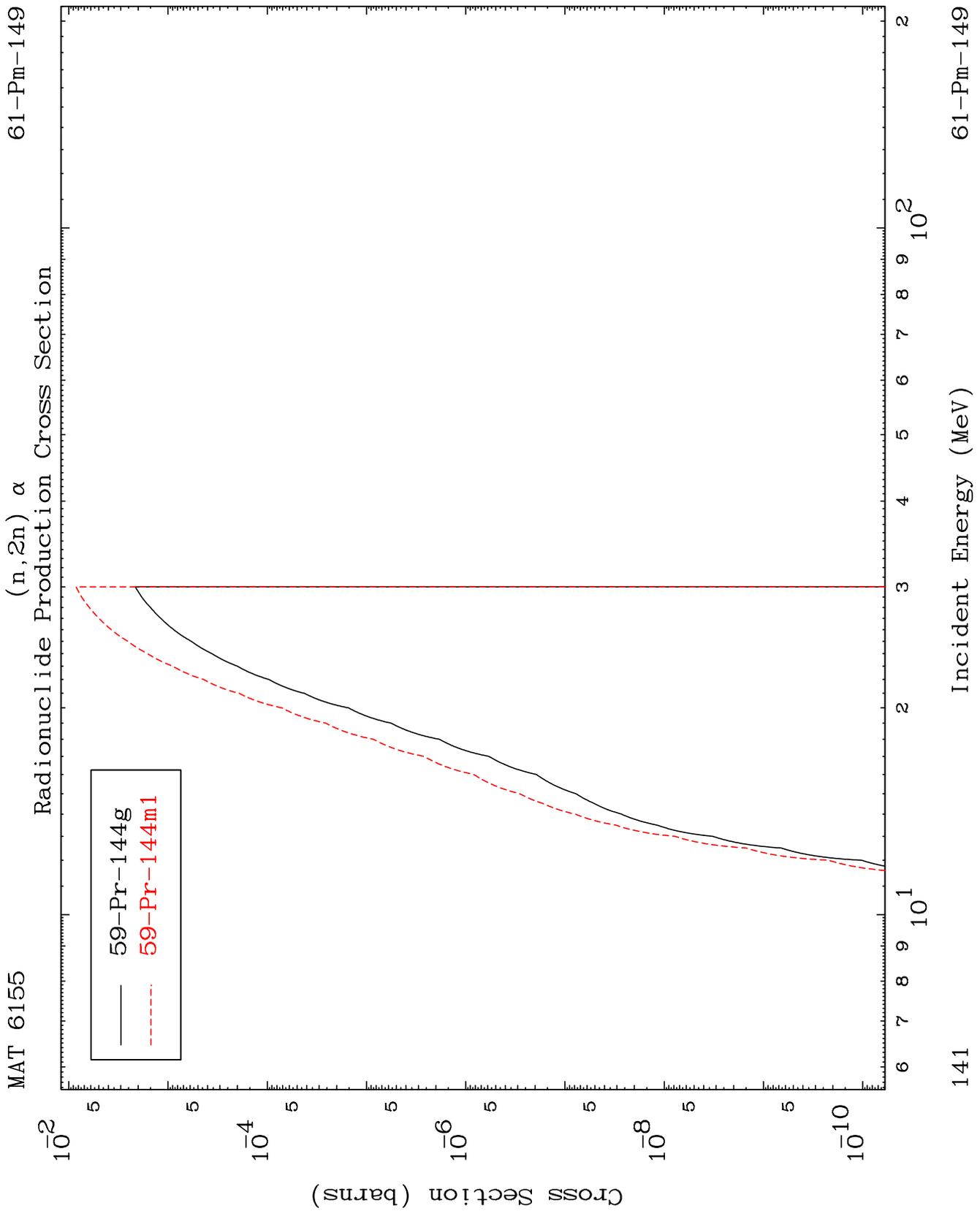
Radionuclide Production Cross Section



140

Incident Energy (MeV)

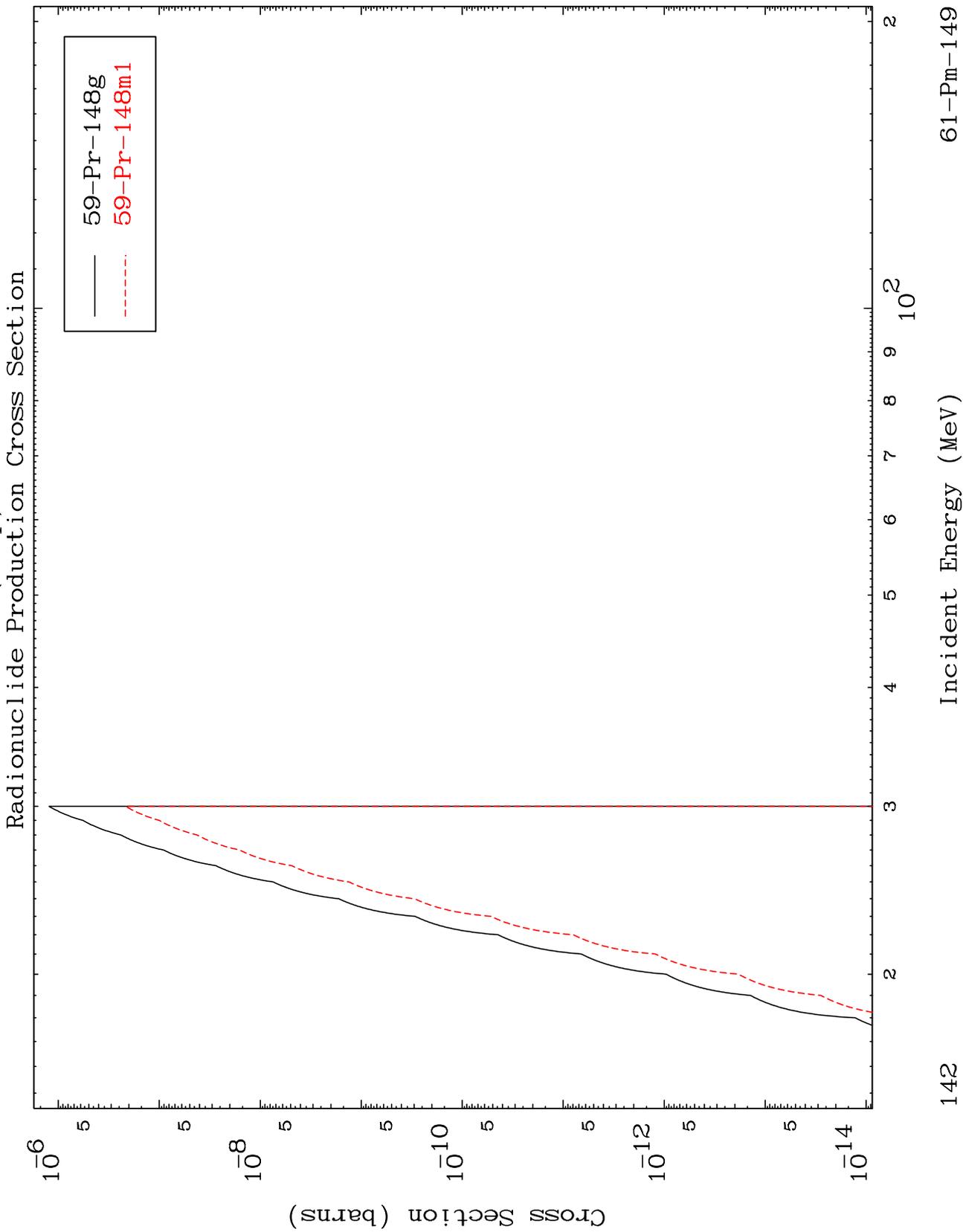
61-Pm-149



MAT 6155

61-Pm-149

(n,2p)



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61-Pm-149