

Program EVALPLOT
(Version 2021-1)

by

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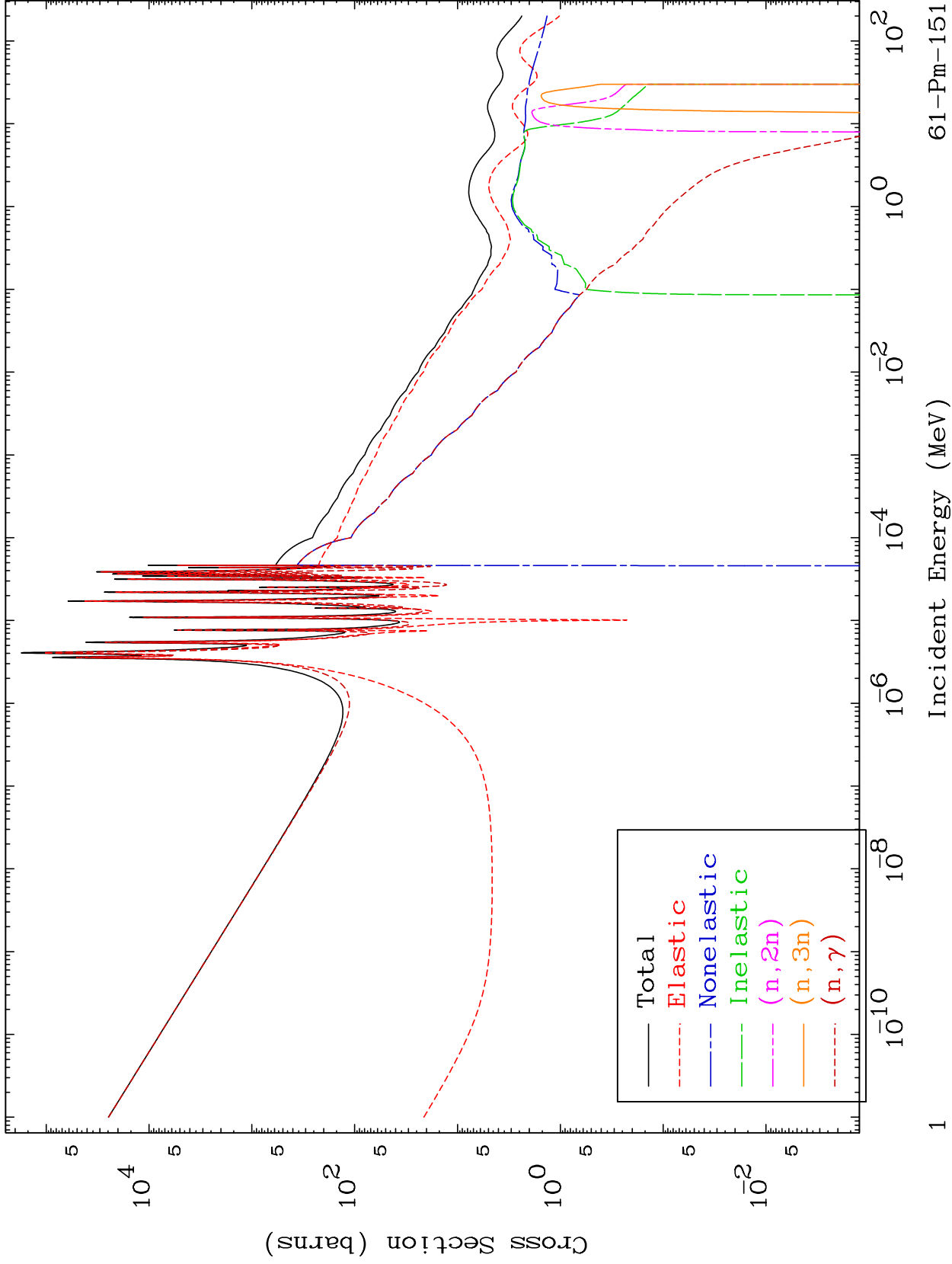
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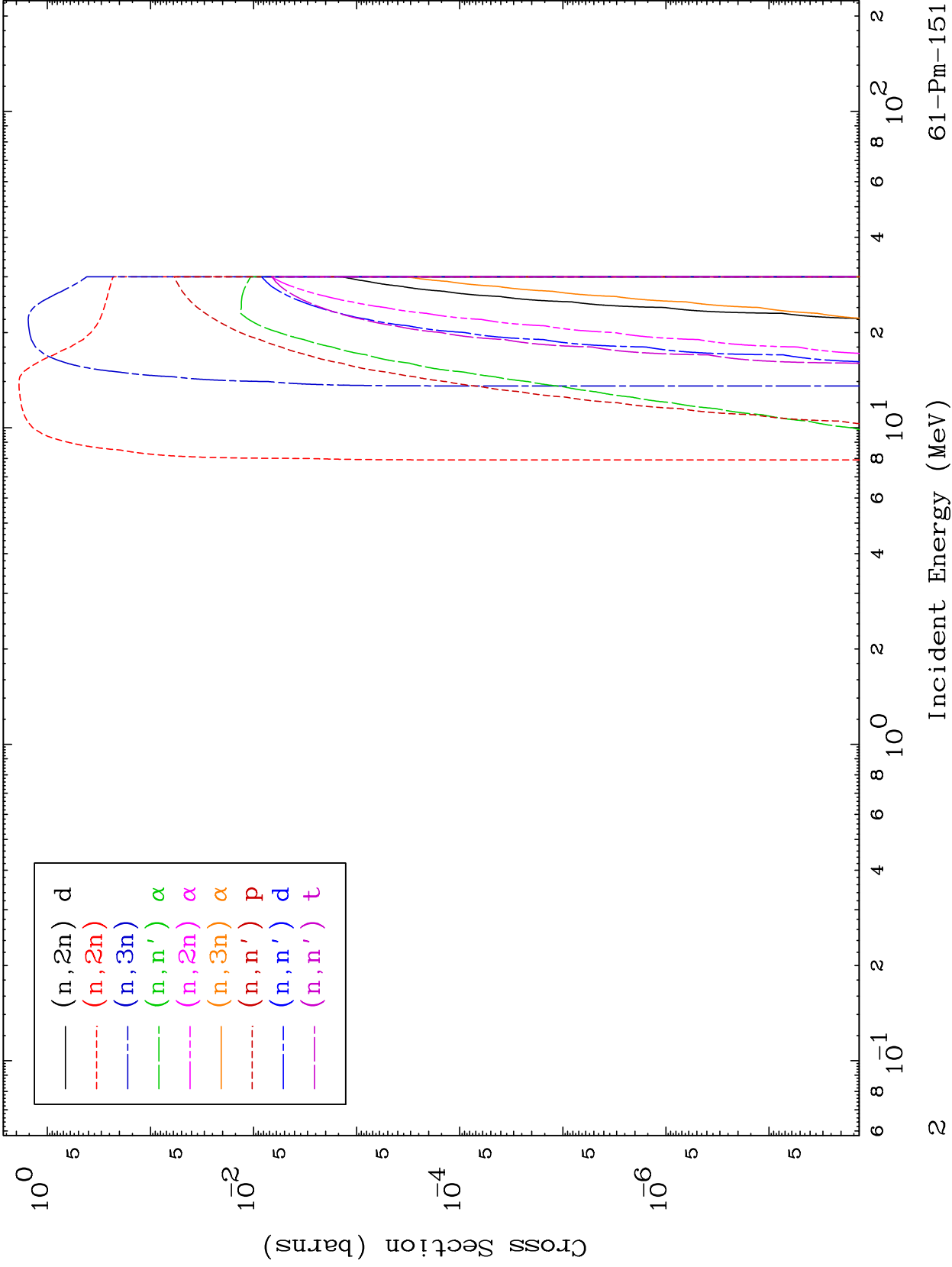
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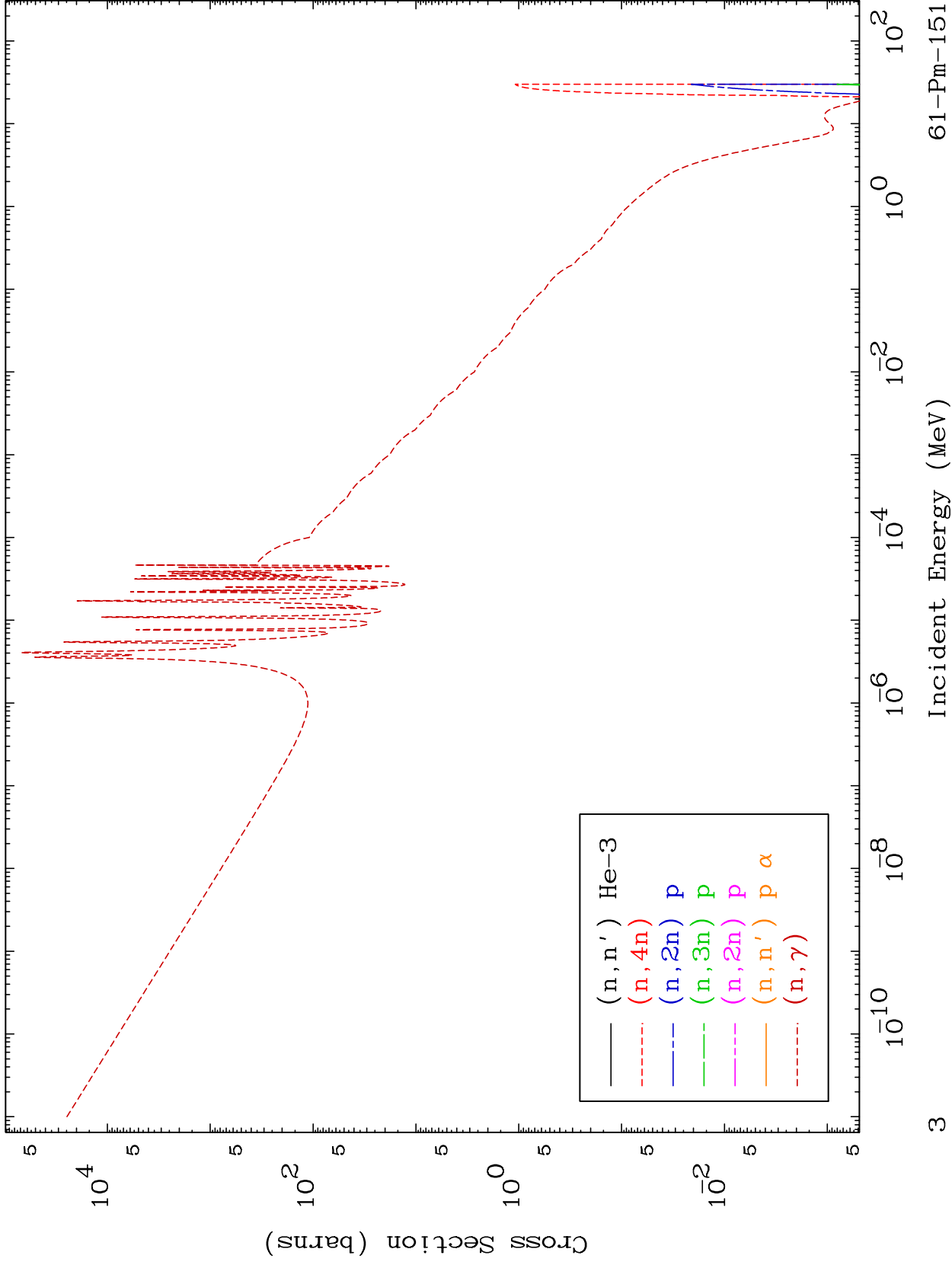
MAT 6161

Neutron Major
293 Kelvin Cross Sections

61-Pm-151



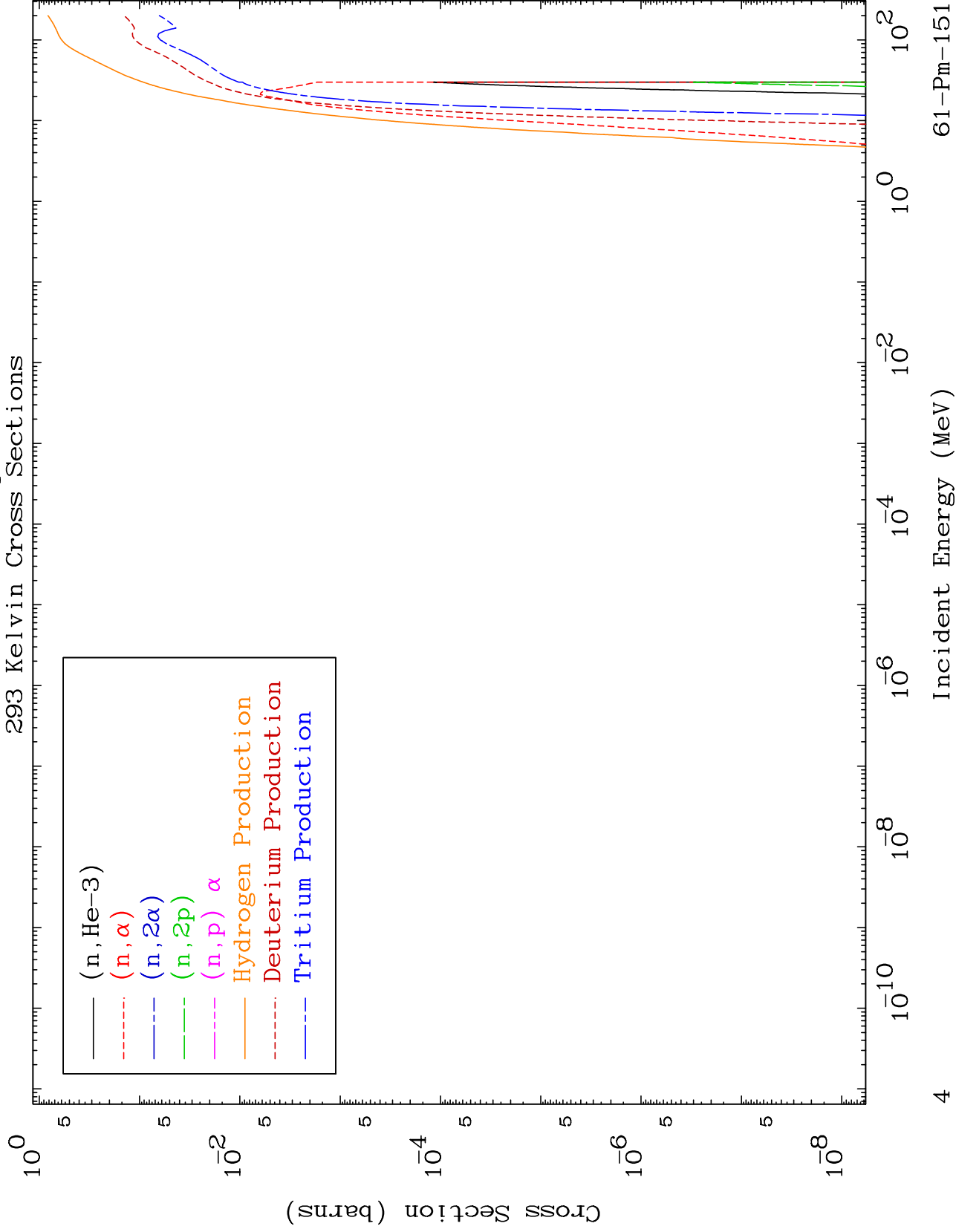




MAT 6161

Neutron Absorption
293 Kelvin Cross Sections

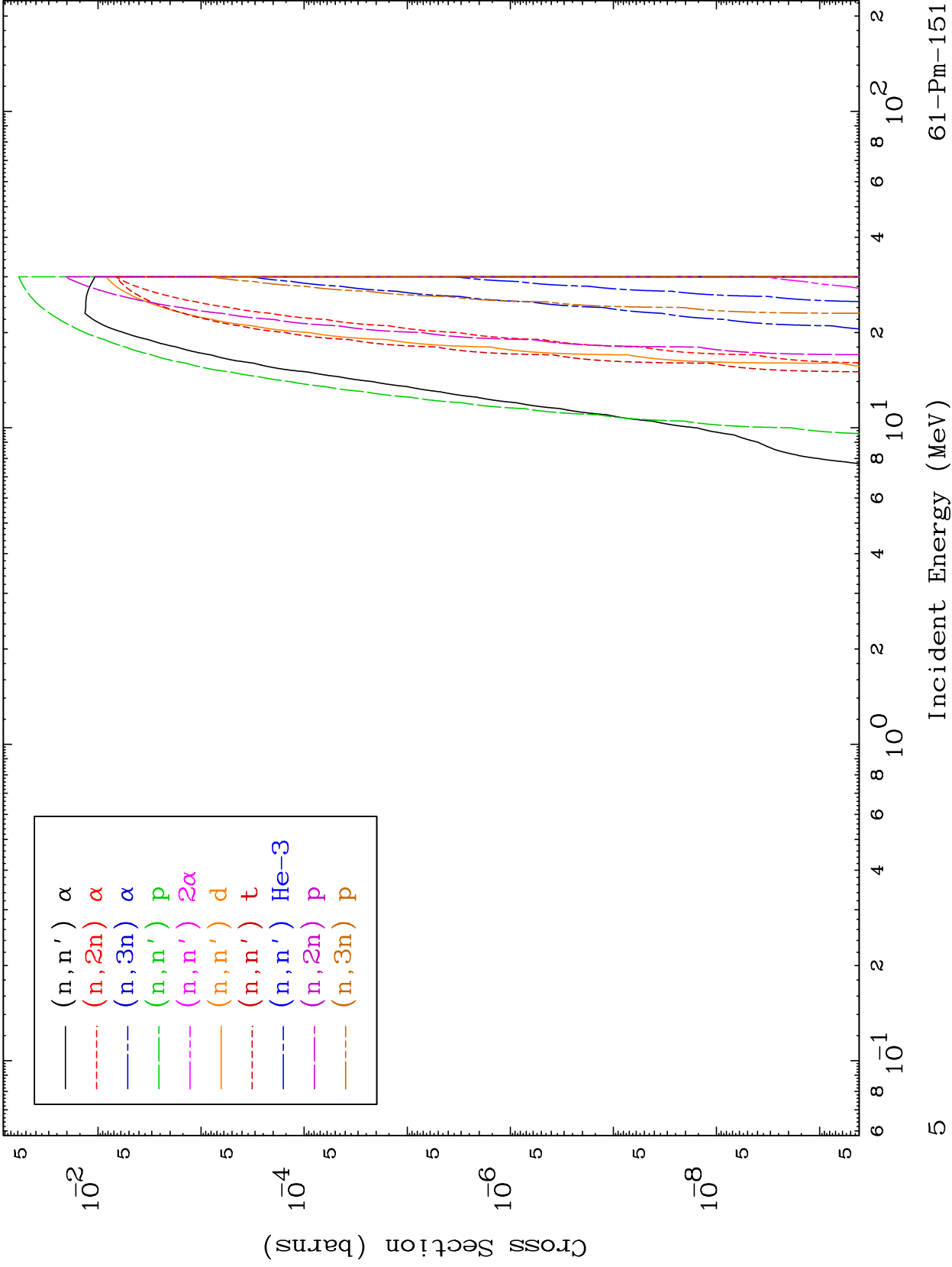
61-Pm-151



MAT 6161

Charged Particle
293 Kelvin Cross Sections

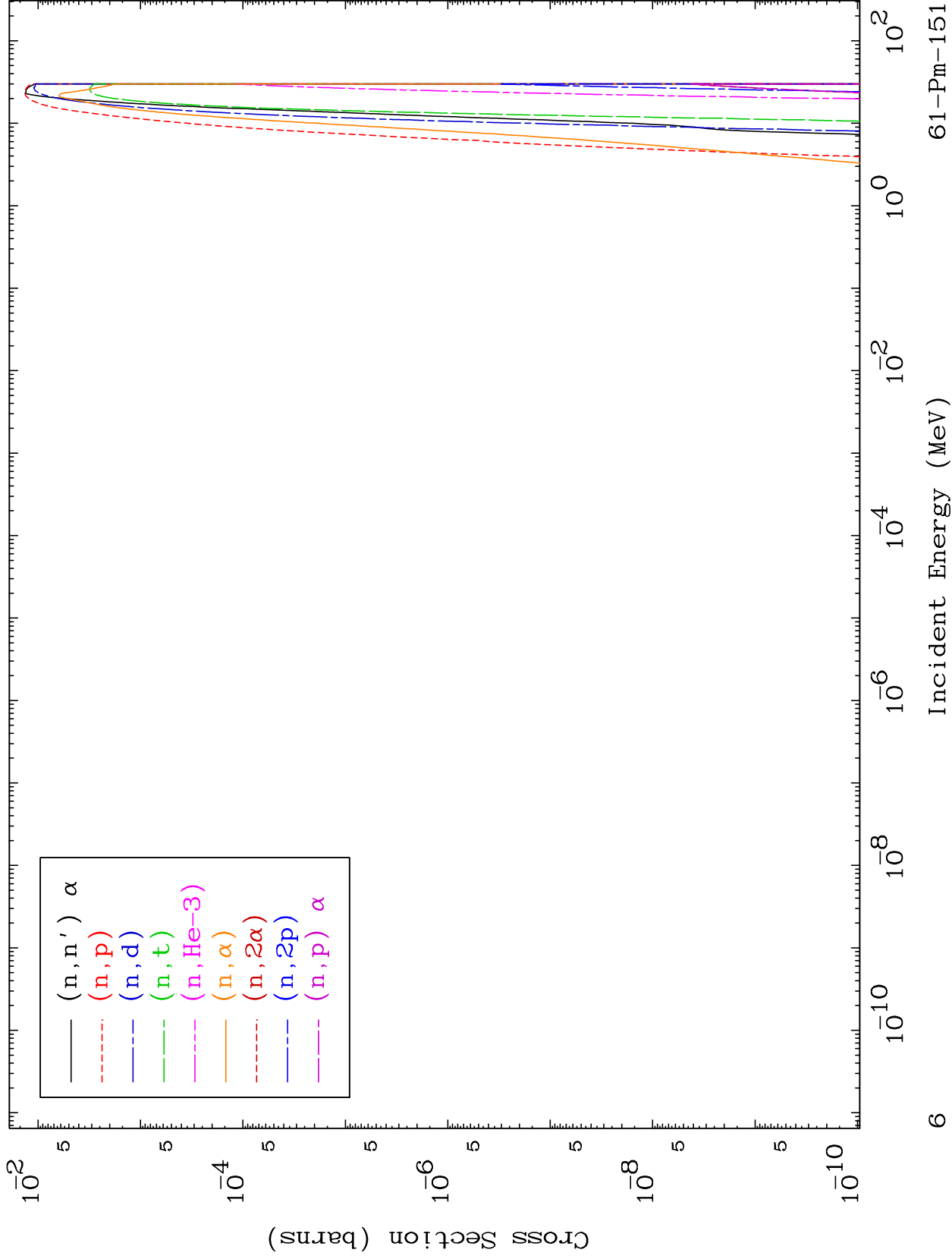
61-Pm-151



MAT 6161

Charged Particle
293 Kelvin Cross Sections

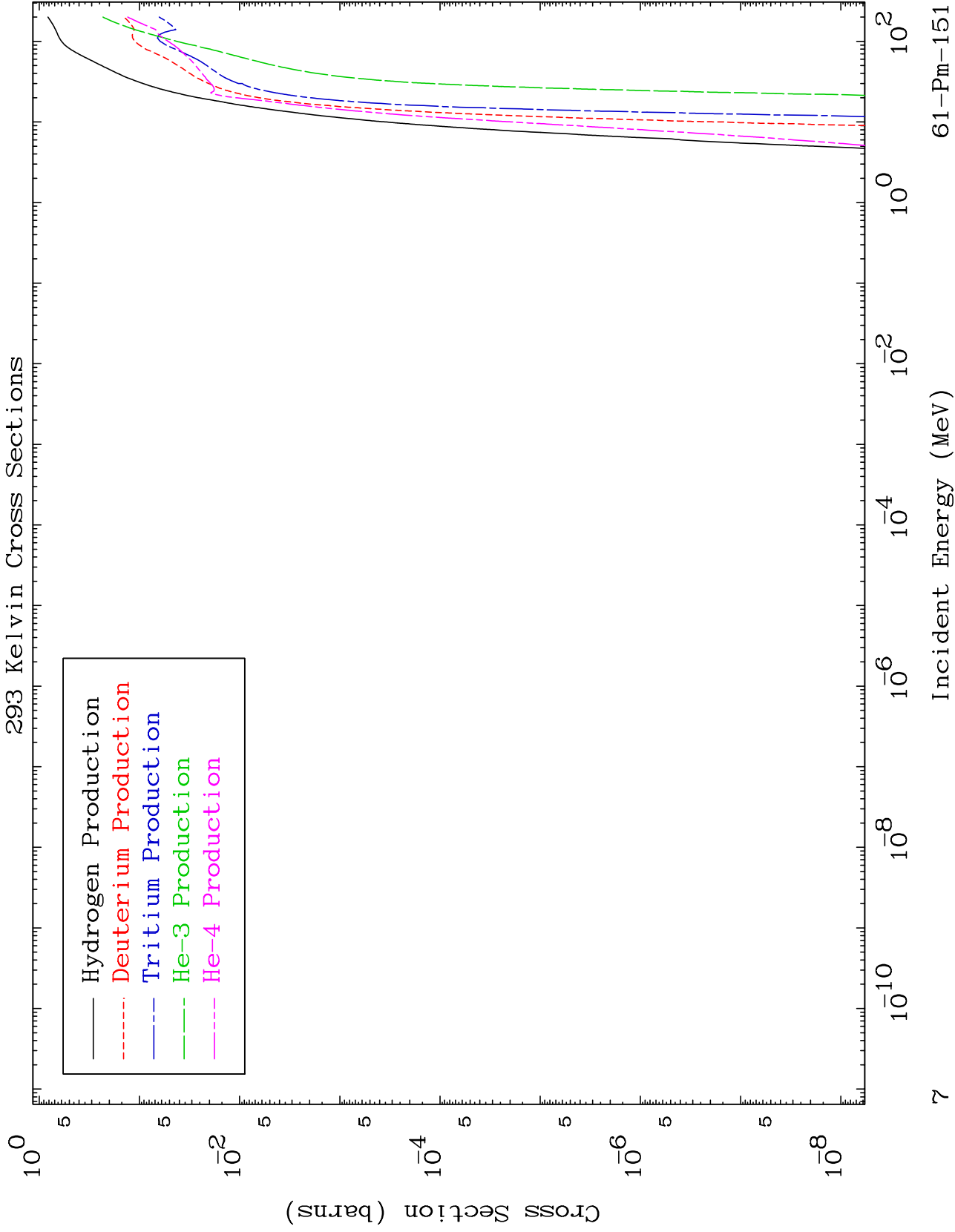
61-Pm-151



MAT 6161

Particle Production
293 Kelvin Cross Sections

61-Pm-151



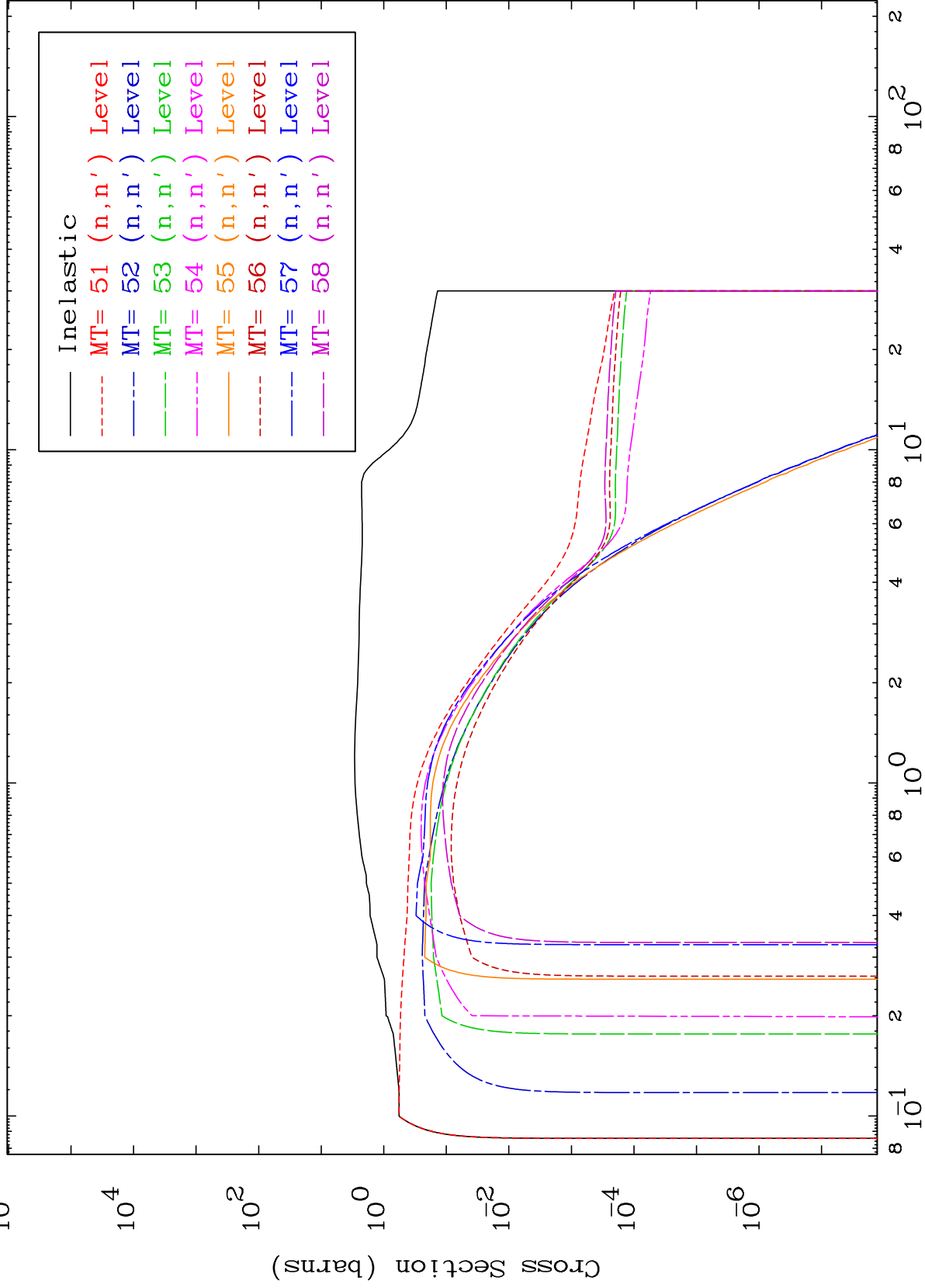
MAT 6161

(n,n') Levels

61-Pm-151

293 Kelvin Cross Sections

61-Pm-151



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Incident Energy (MeV)

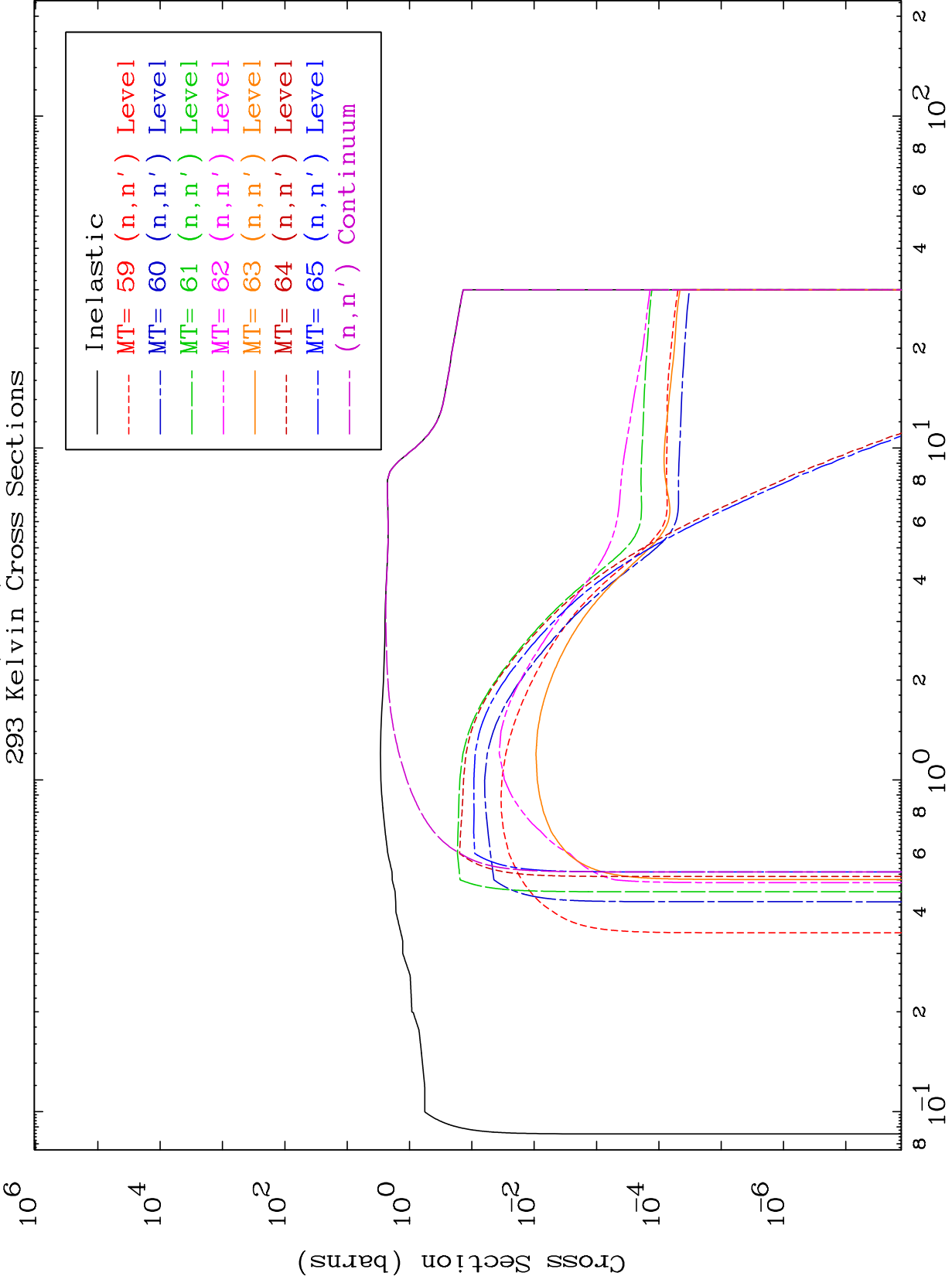
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MAT 6161

(n,n') Levels

61-Pm-151

293 Kelvin Cross Sections



9

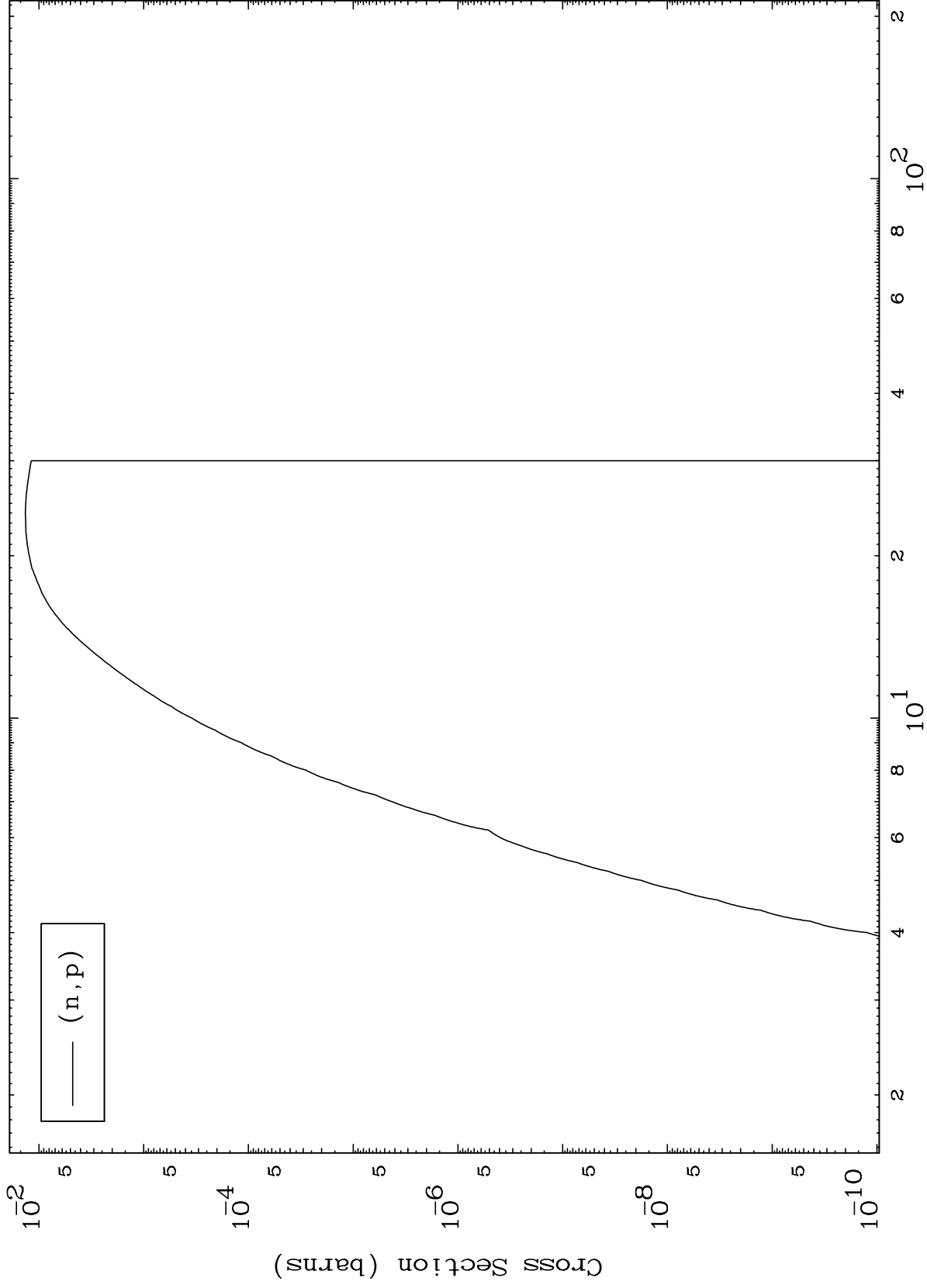
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-151



10

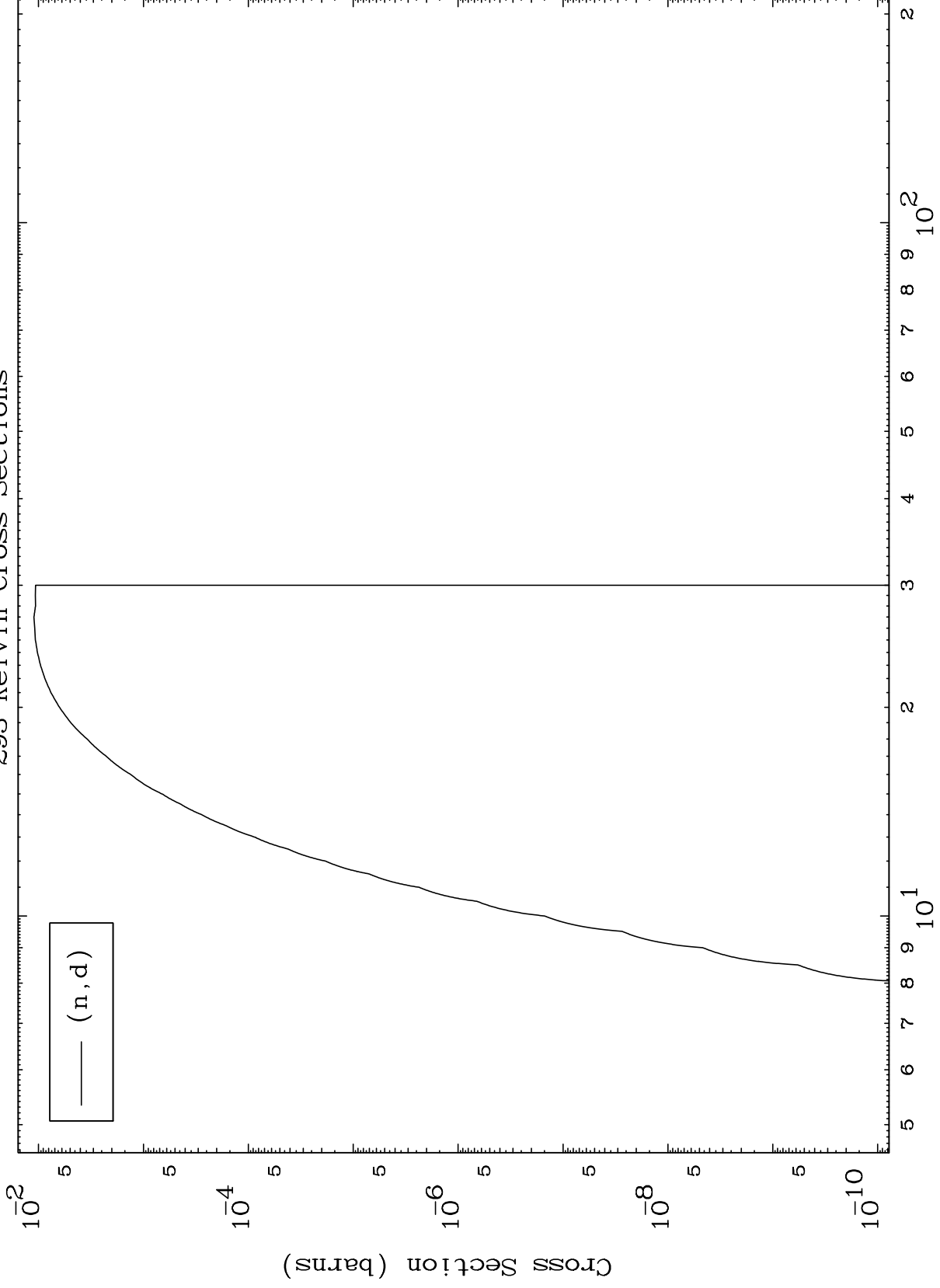
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,d) Levels
293 Kelvin Cross Sections

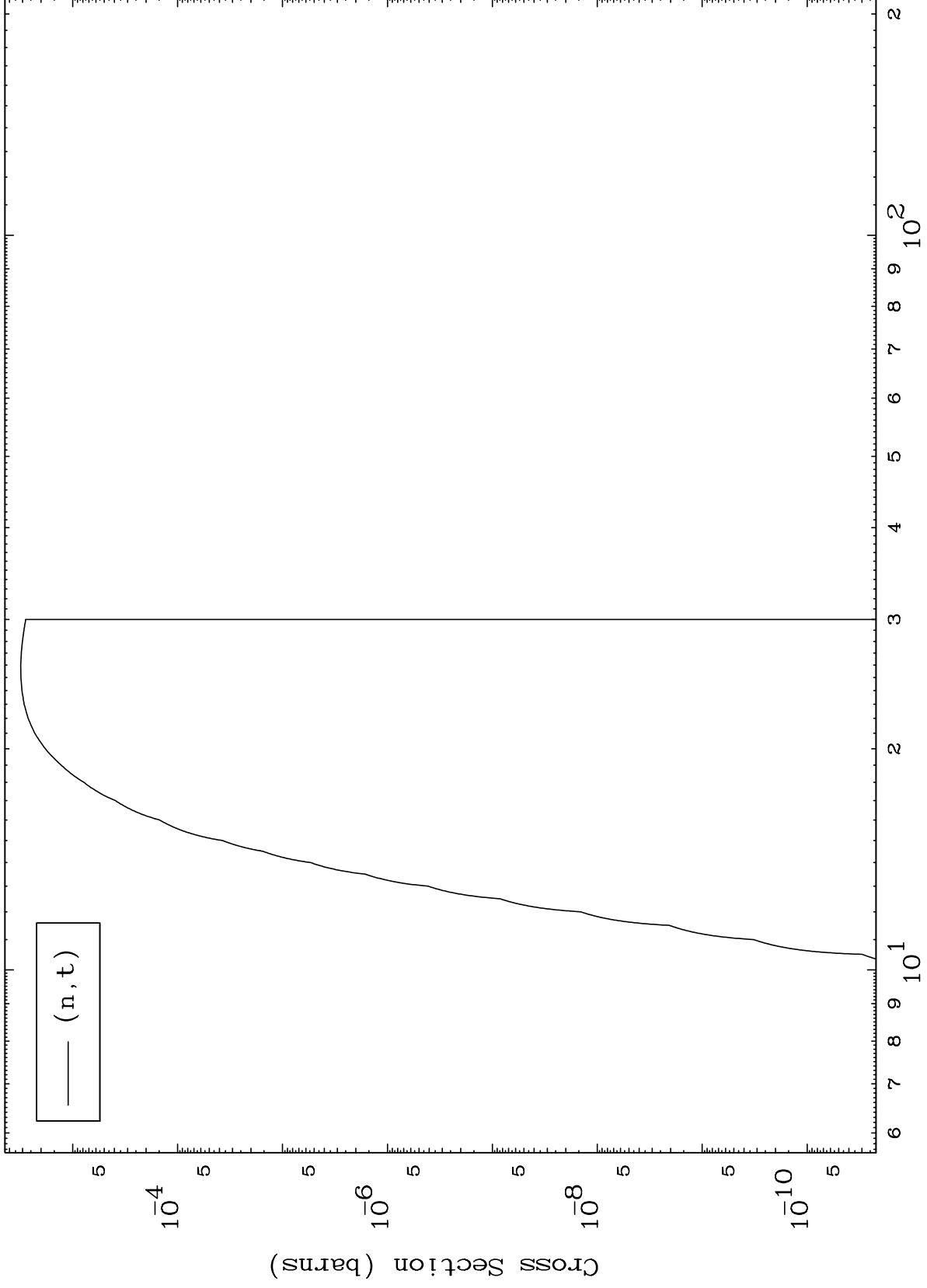
61-Pm-151



MAT 6161

(n, t) Levels
293 Kelvin Cross Sections

61-Pm-151



12

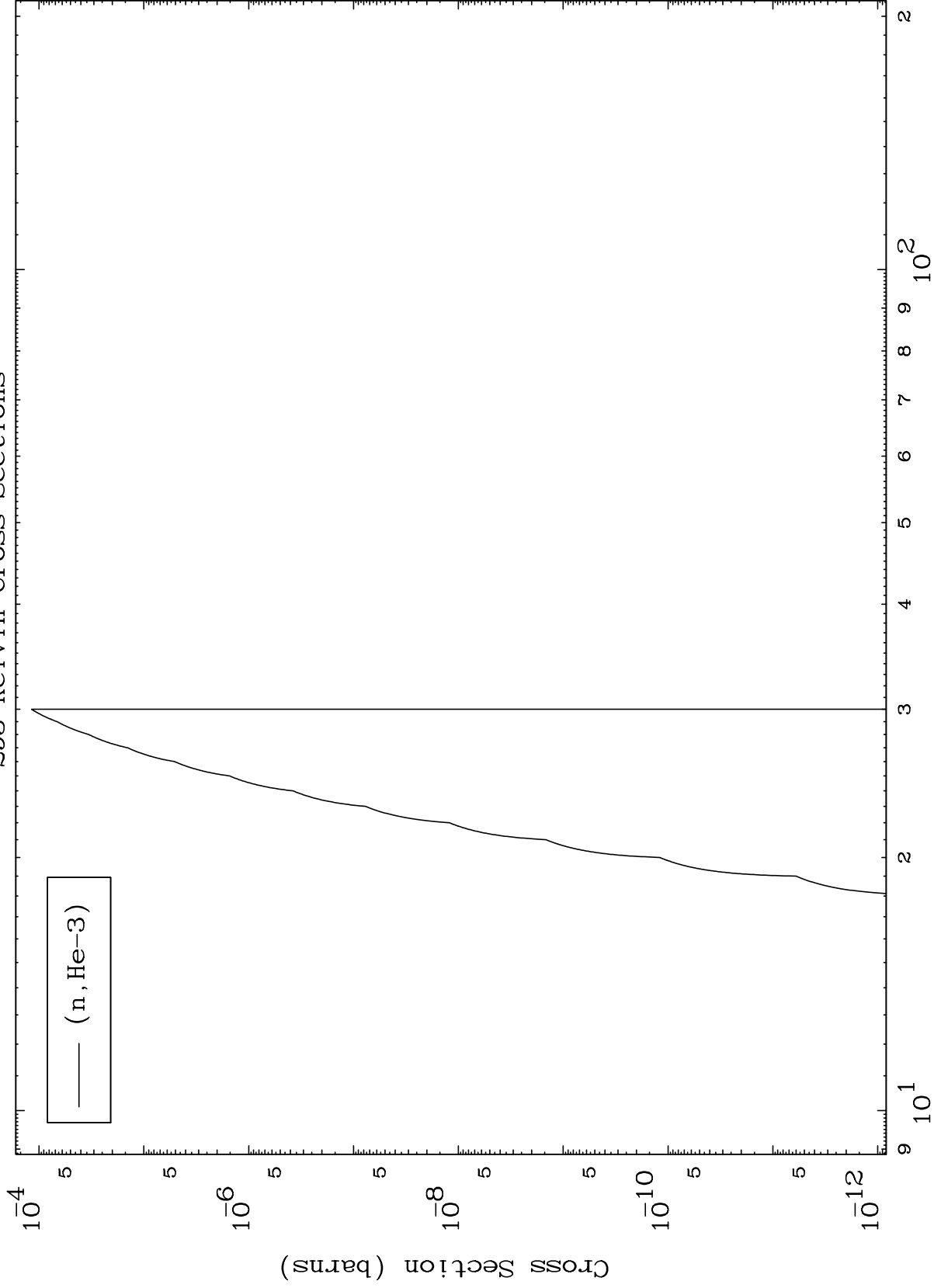
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-151



13

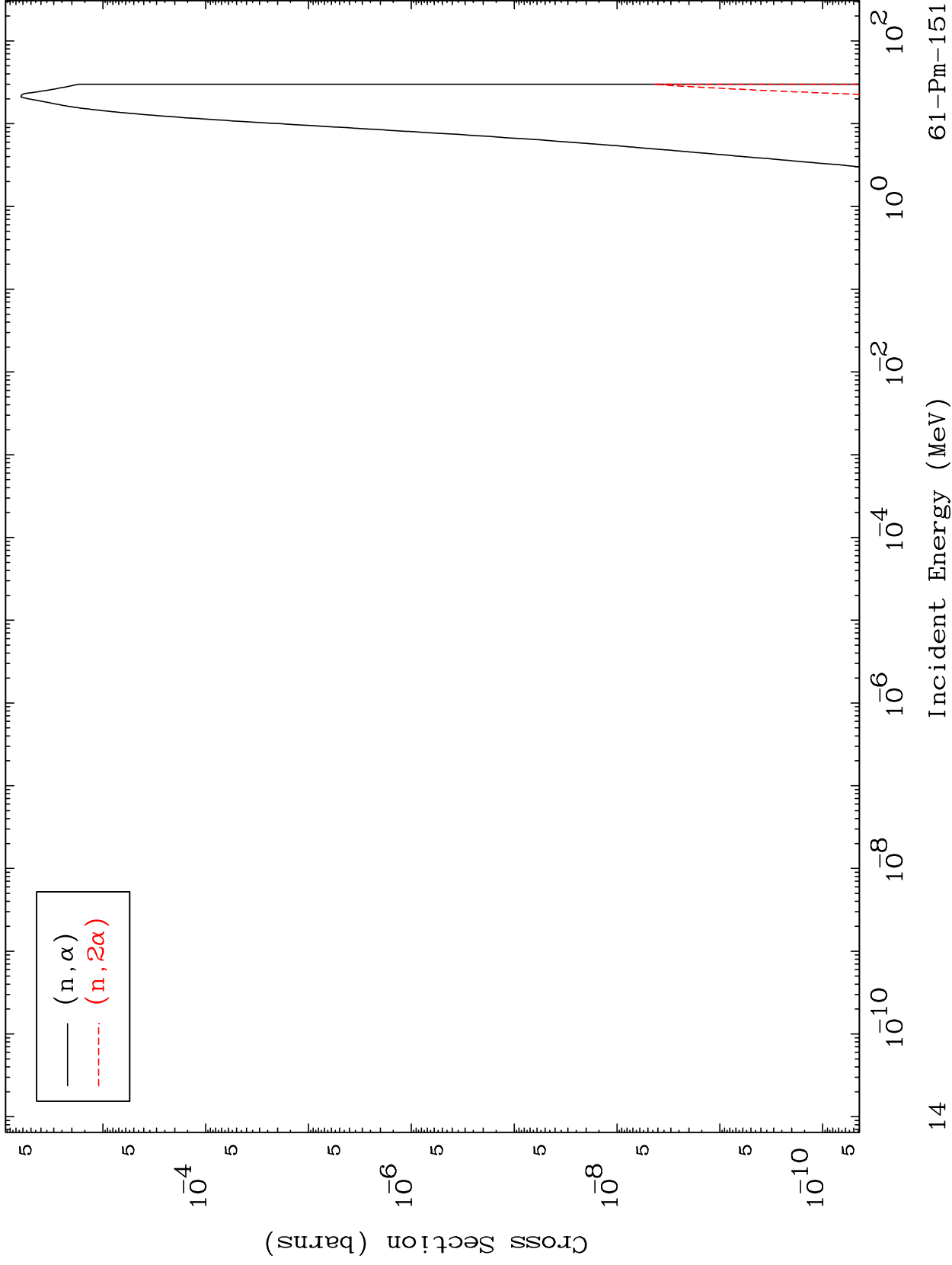
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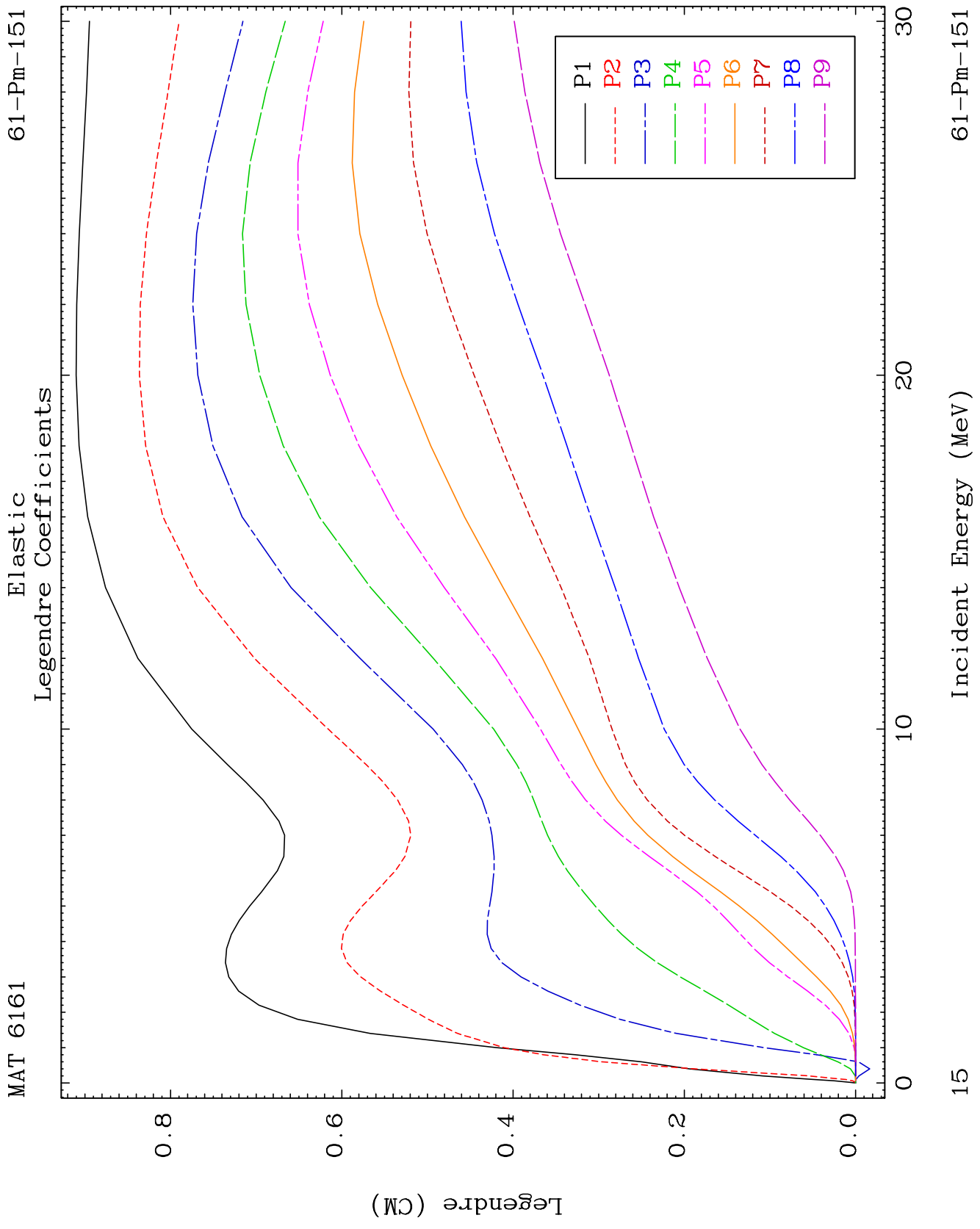
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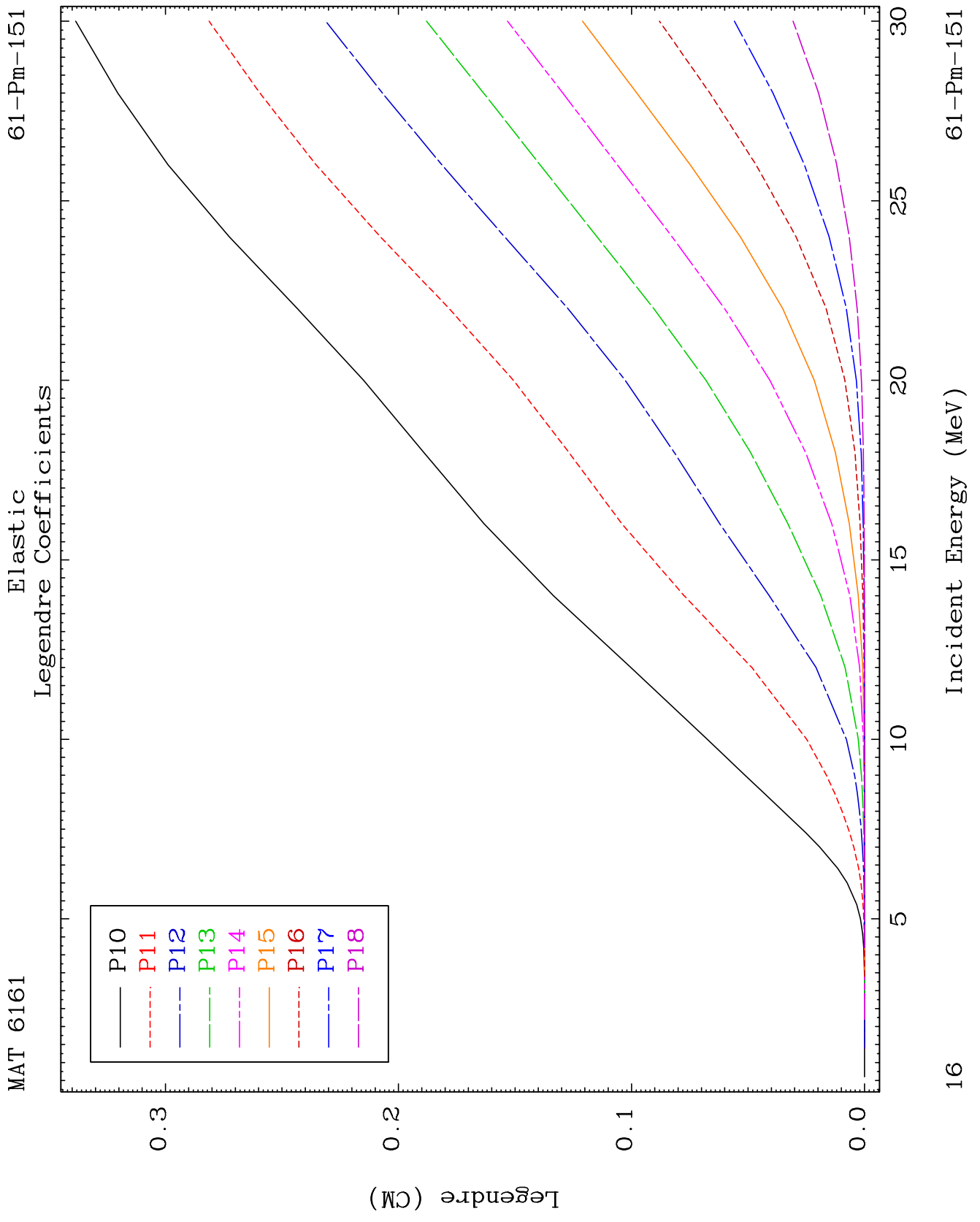
MAT 6161

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-151



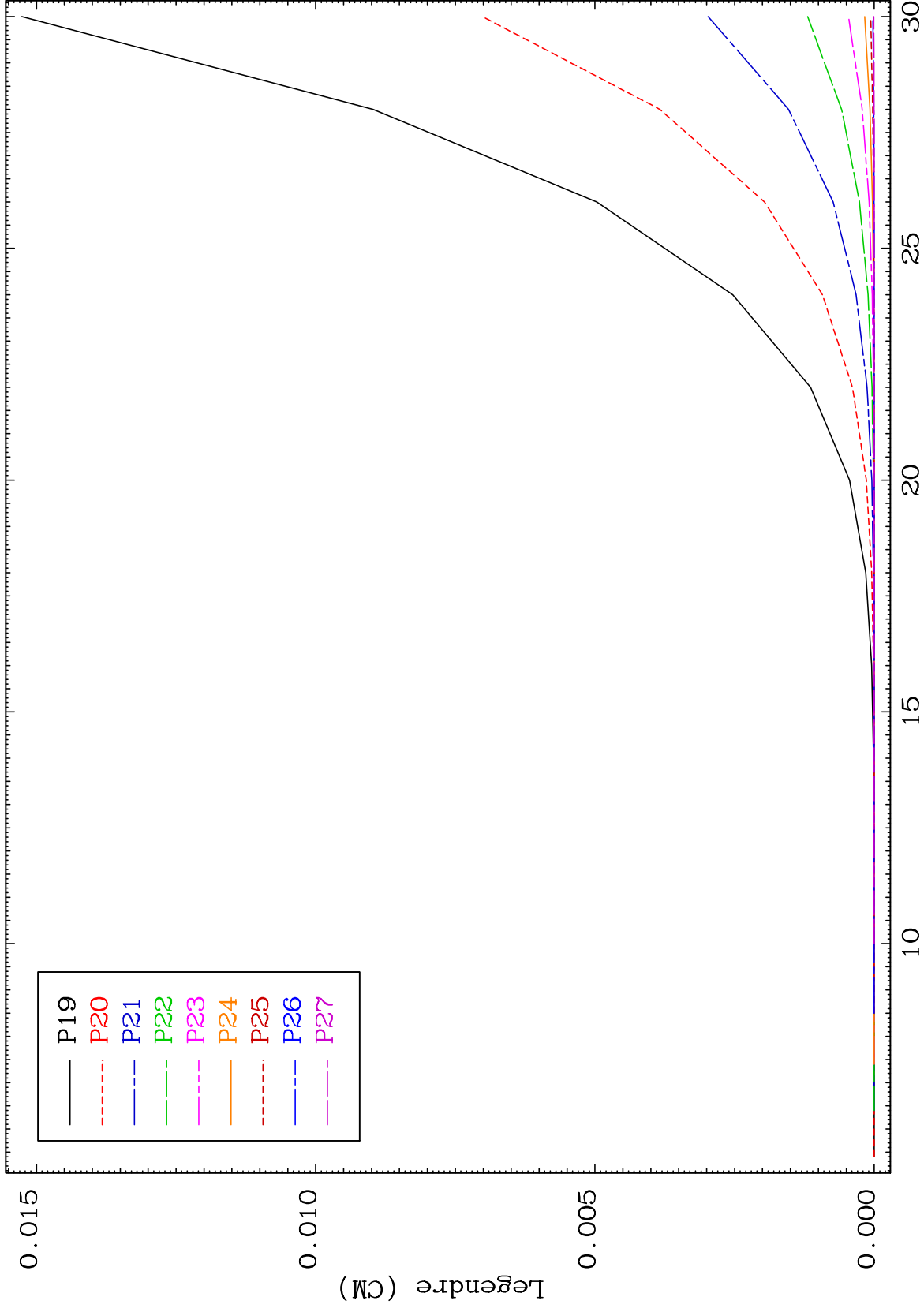




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Elastic
Legendre Coefficients

61-Pm-151



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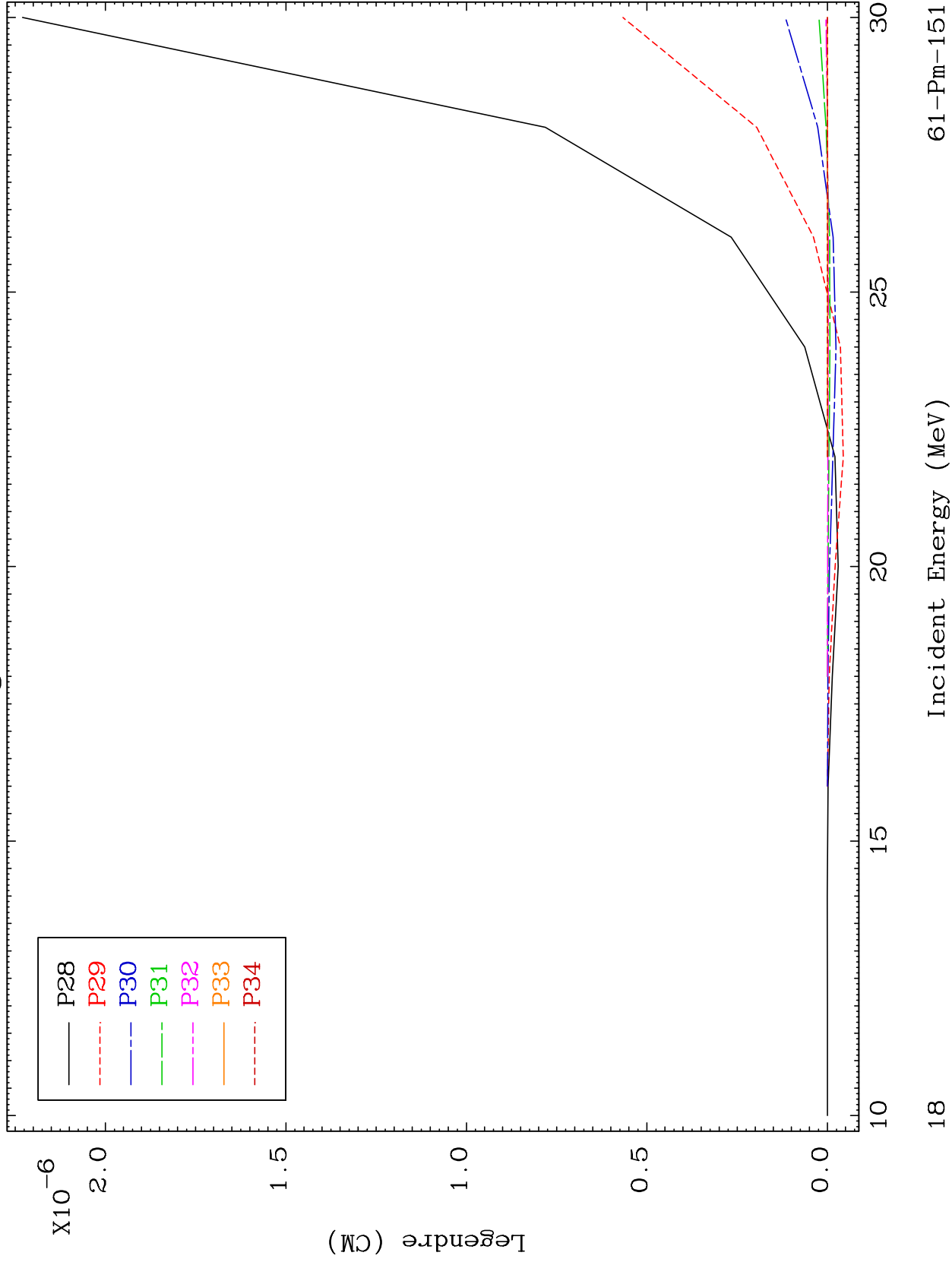
Incident Energy (MeV)

61-Pm-151

MAT 6161

Elastic
Legendre Coefficients

61-Pm-151



18

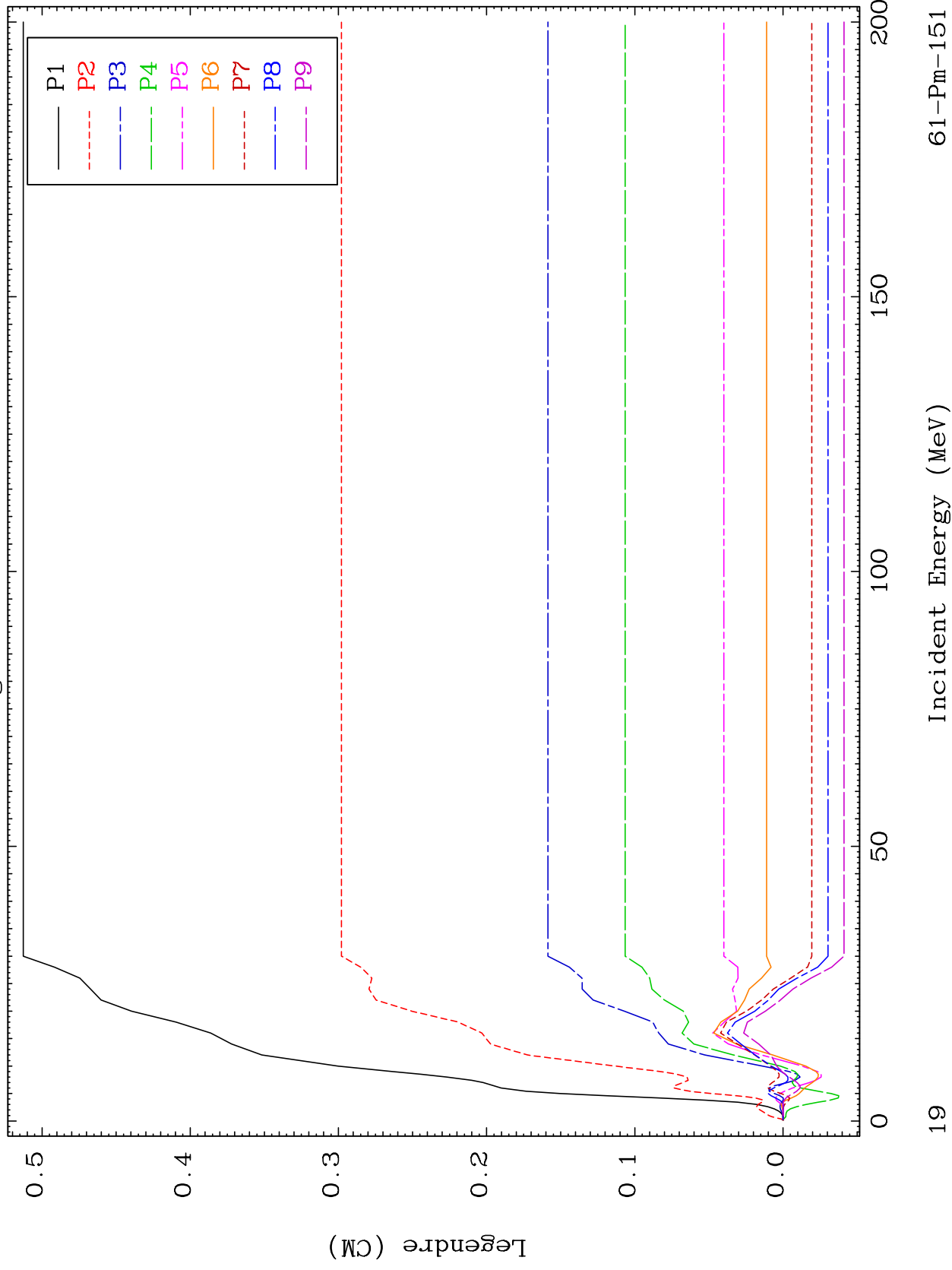
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

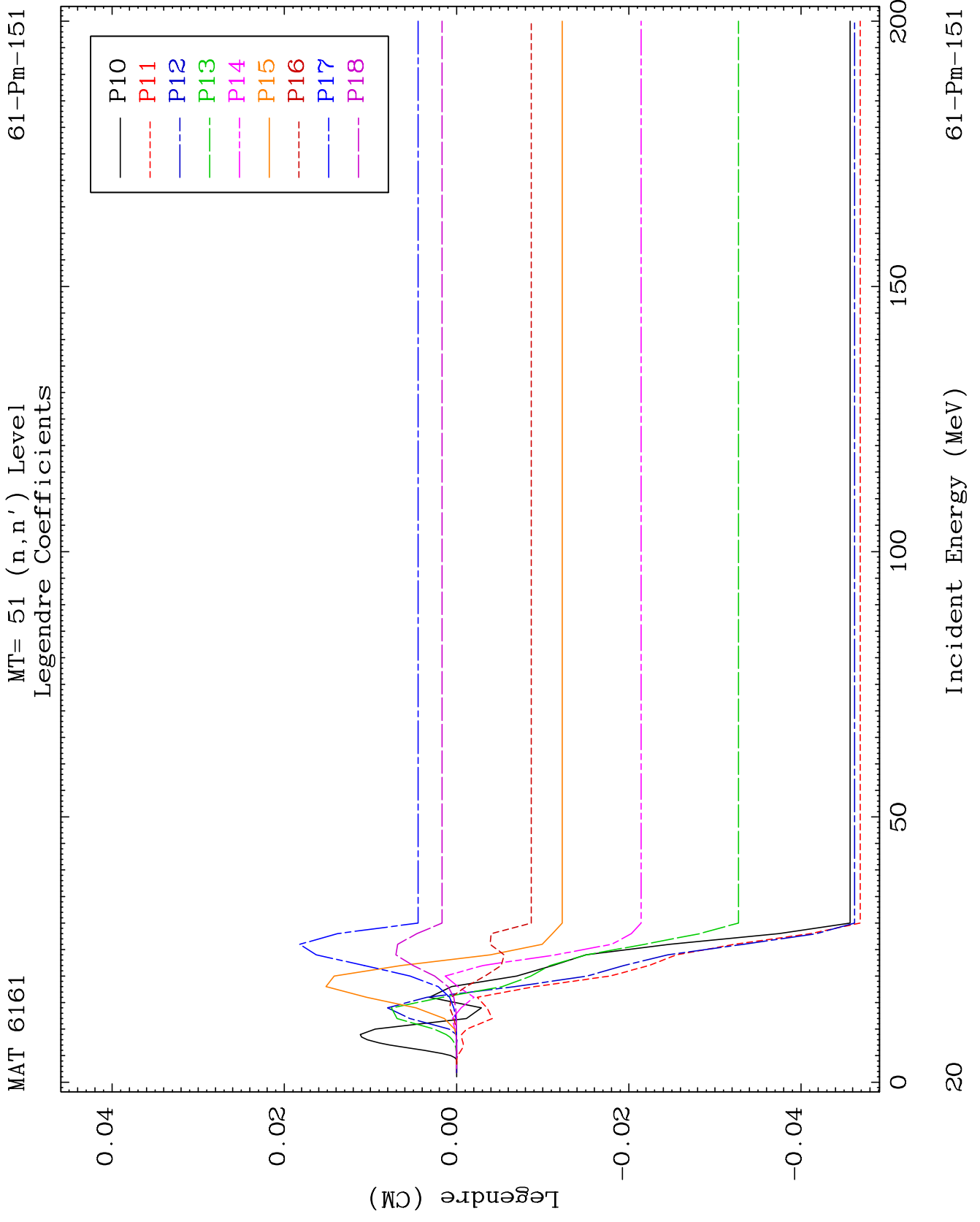
61-Pm-151



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Incident Energy (MeV)

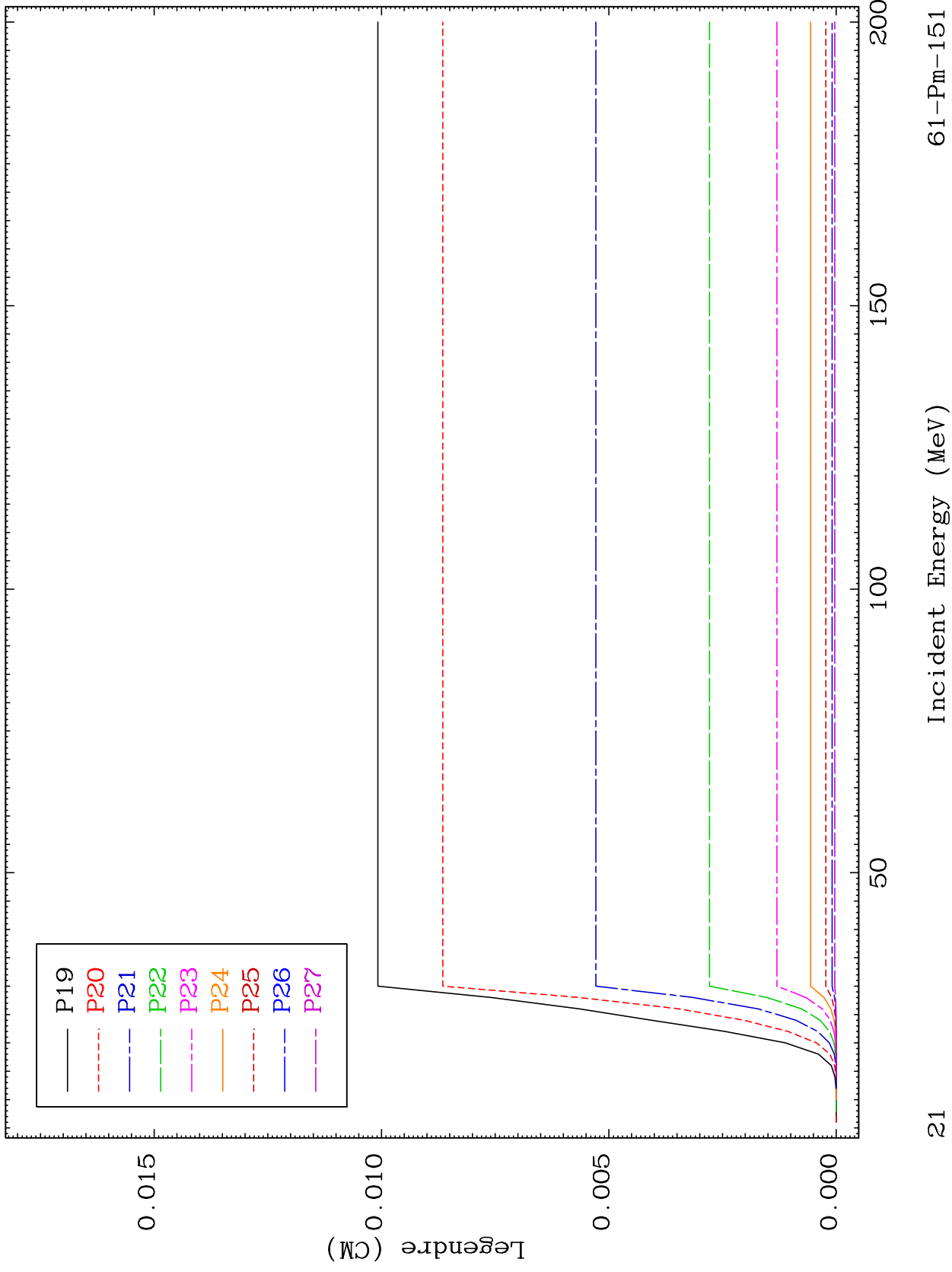
61-Pm-151



MAT 6161

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

61-Pm-151



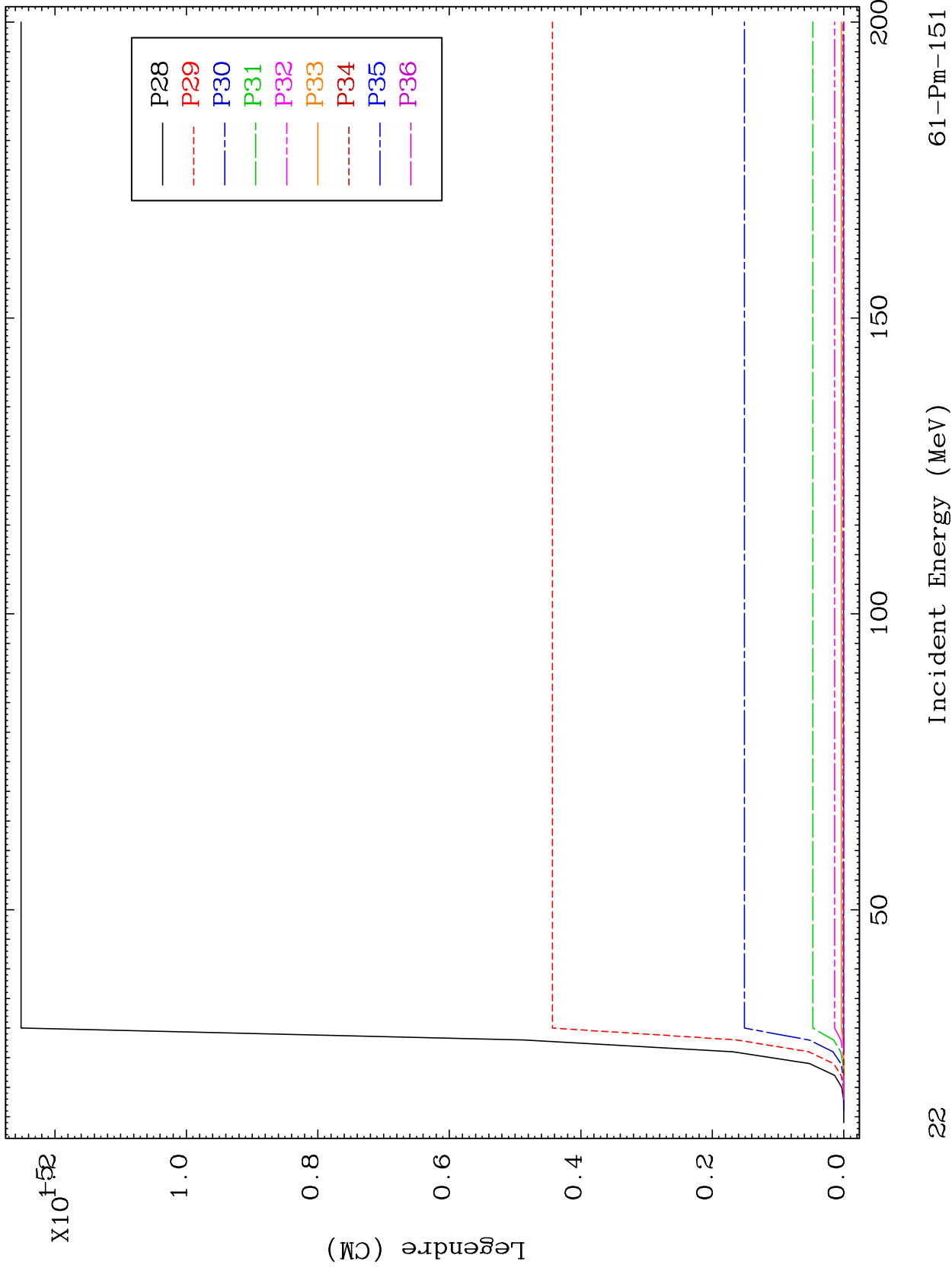
21

61-Pm-151

MAT 6161

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

61-Pm-151



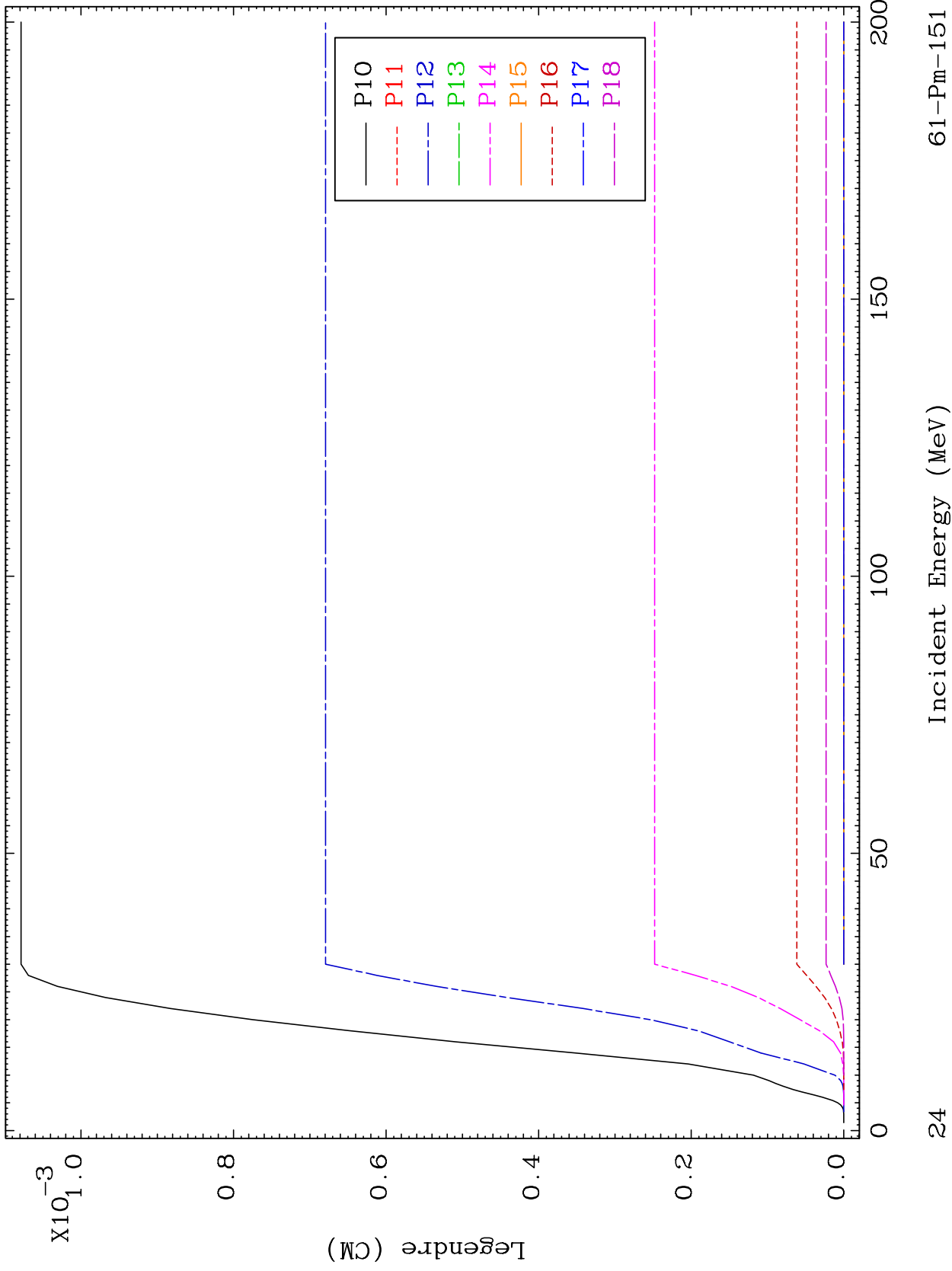
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61-Pm-151

MAT 6161

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

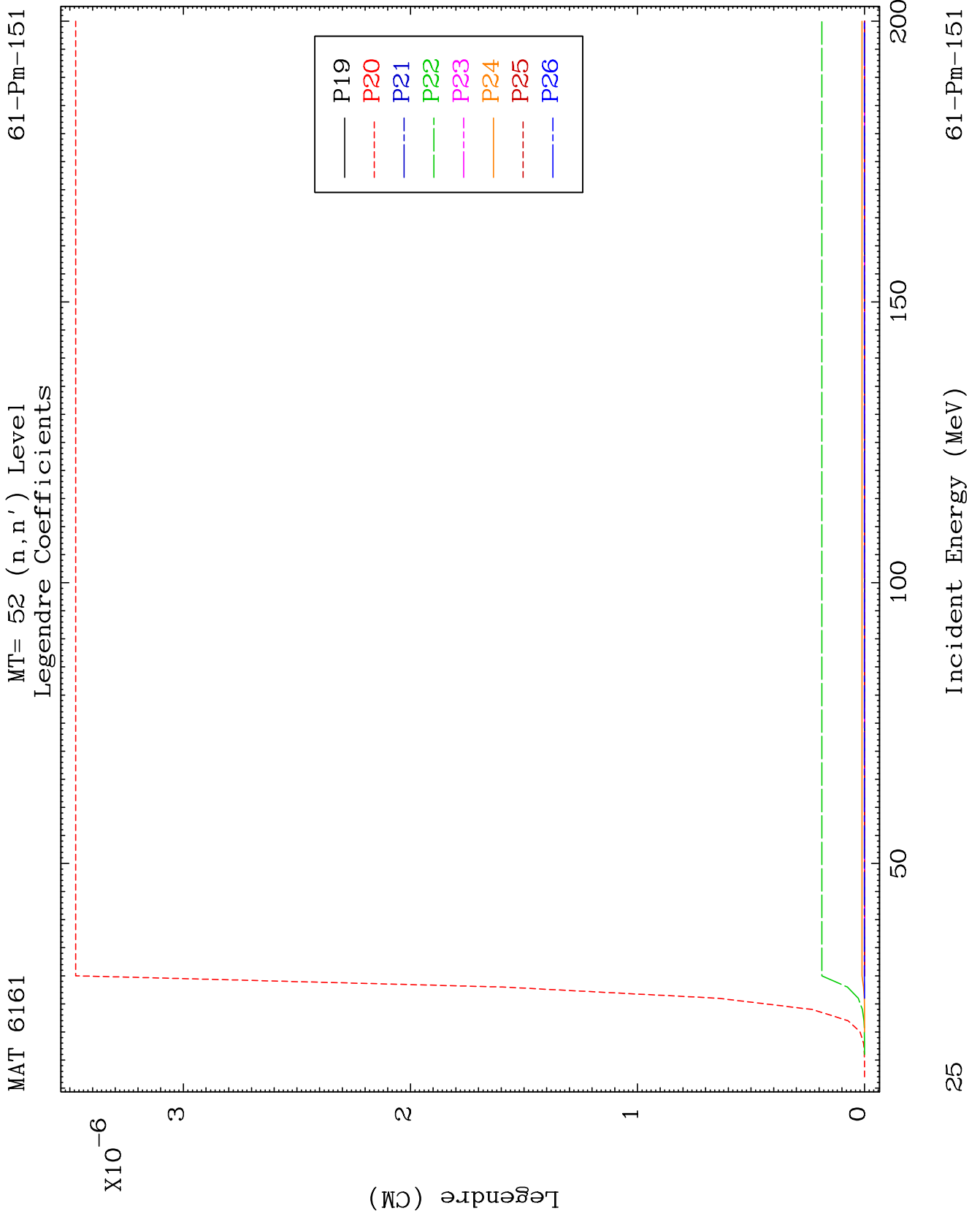
61-Pm-151



24

Incident Energy (MeV)

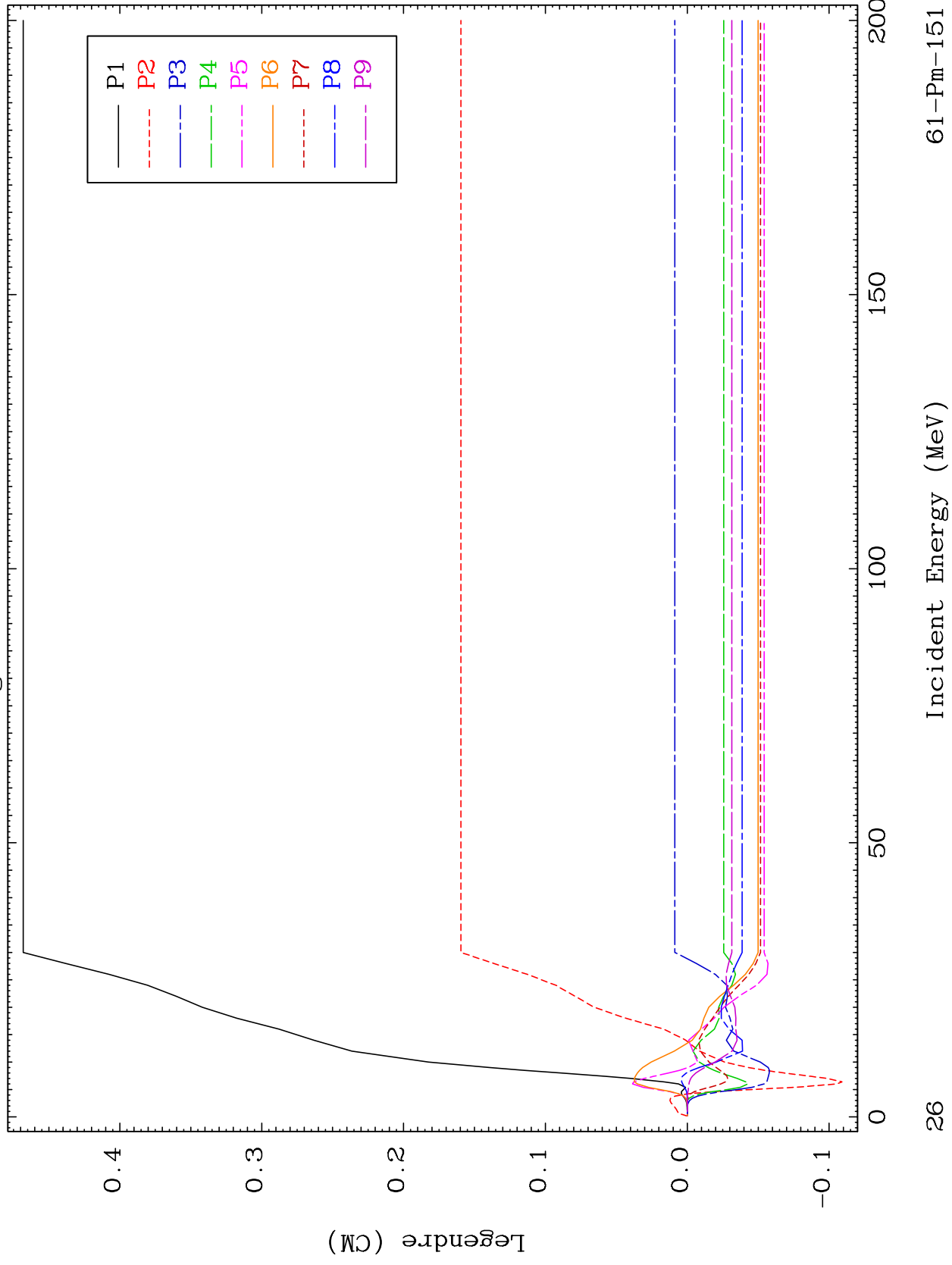
61-Pm-151



MAT 6161

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

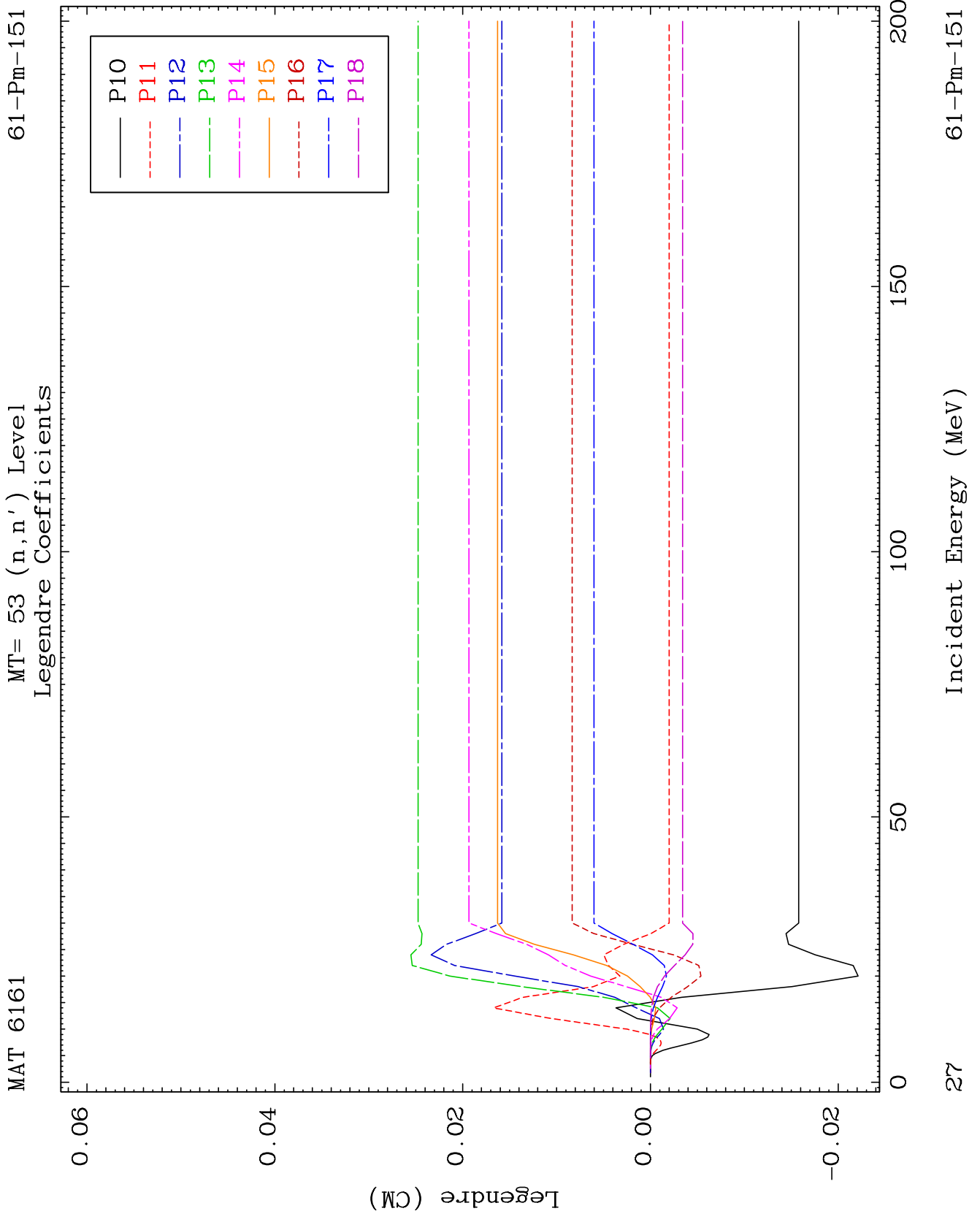
61-Pm-151



61-Pm-151

Incident Energy (MeV)

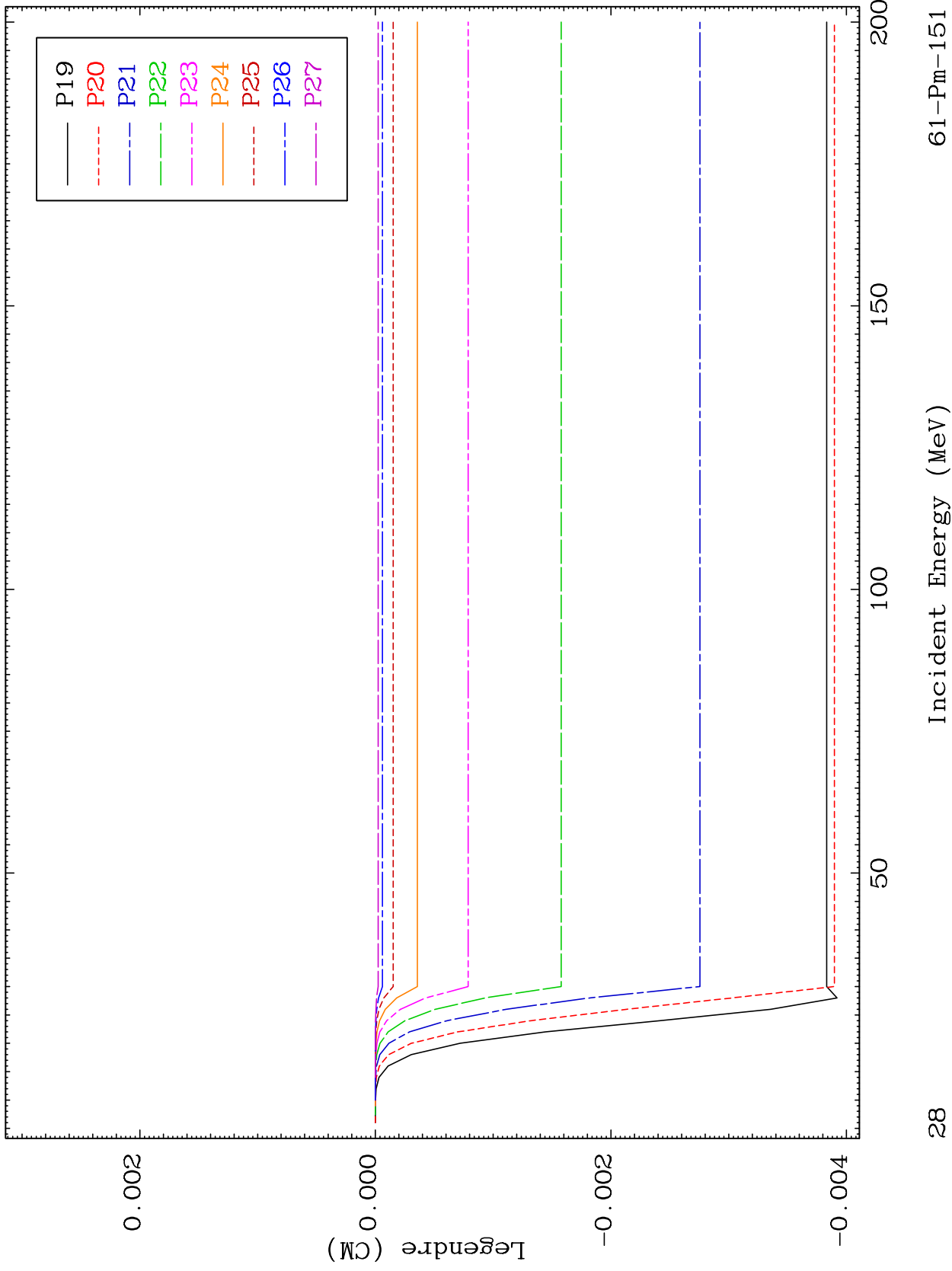
26



MAT 6161

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

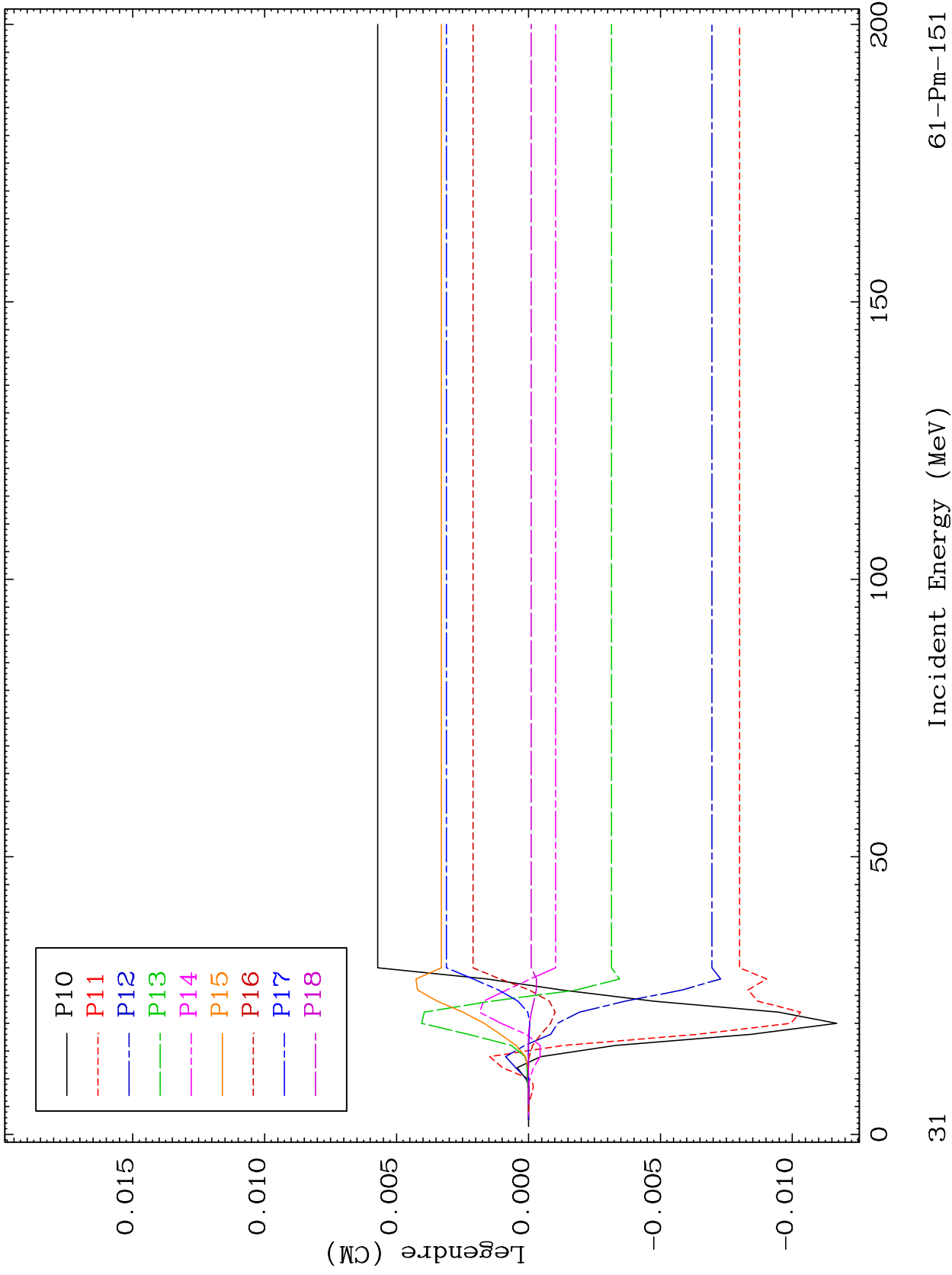
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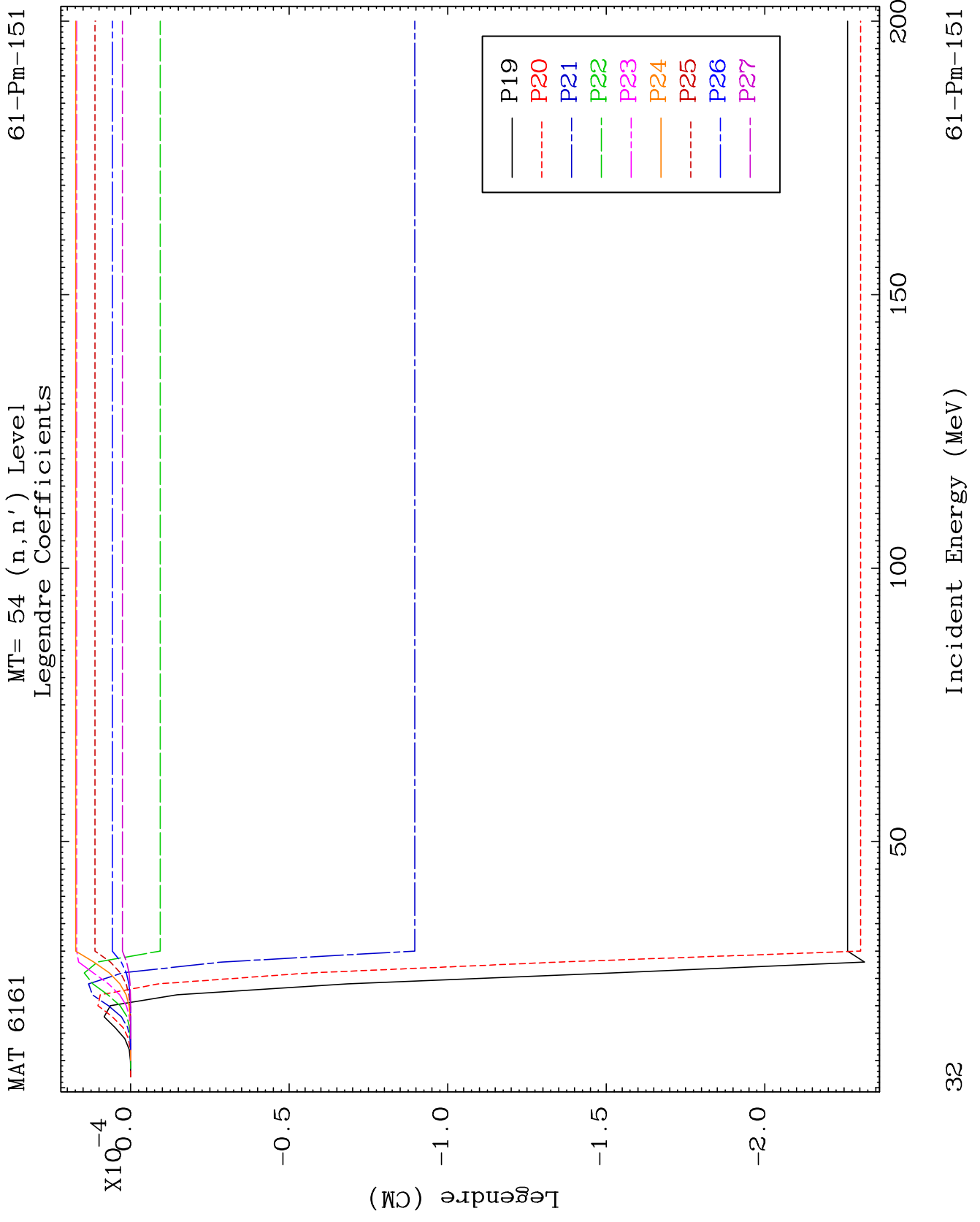


28

Incident Energy (MeV)

61-Pm-151

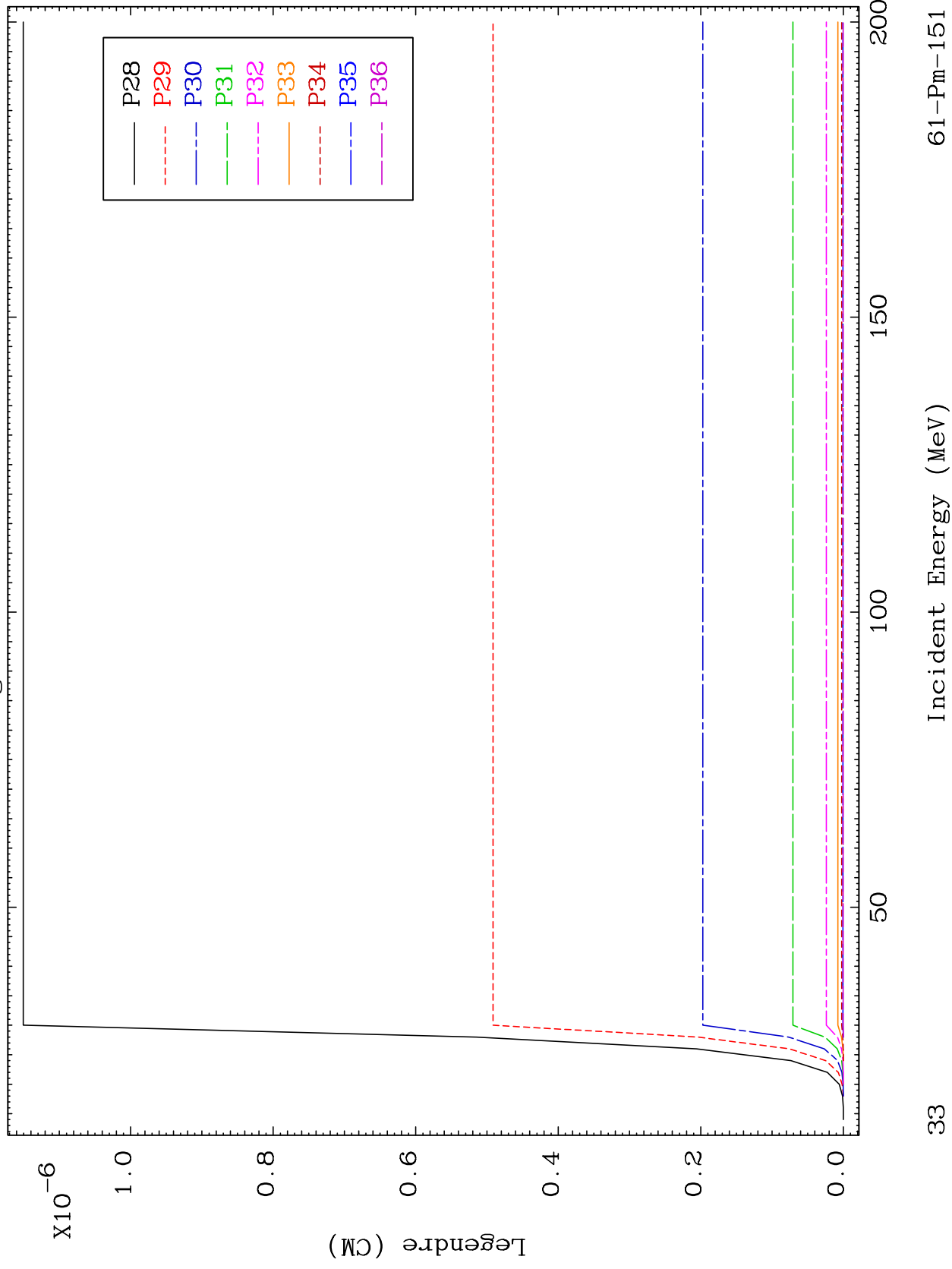


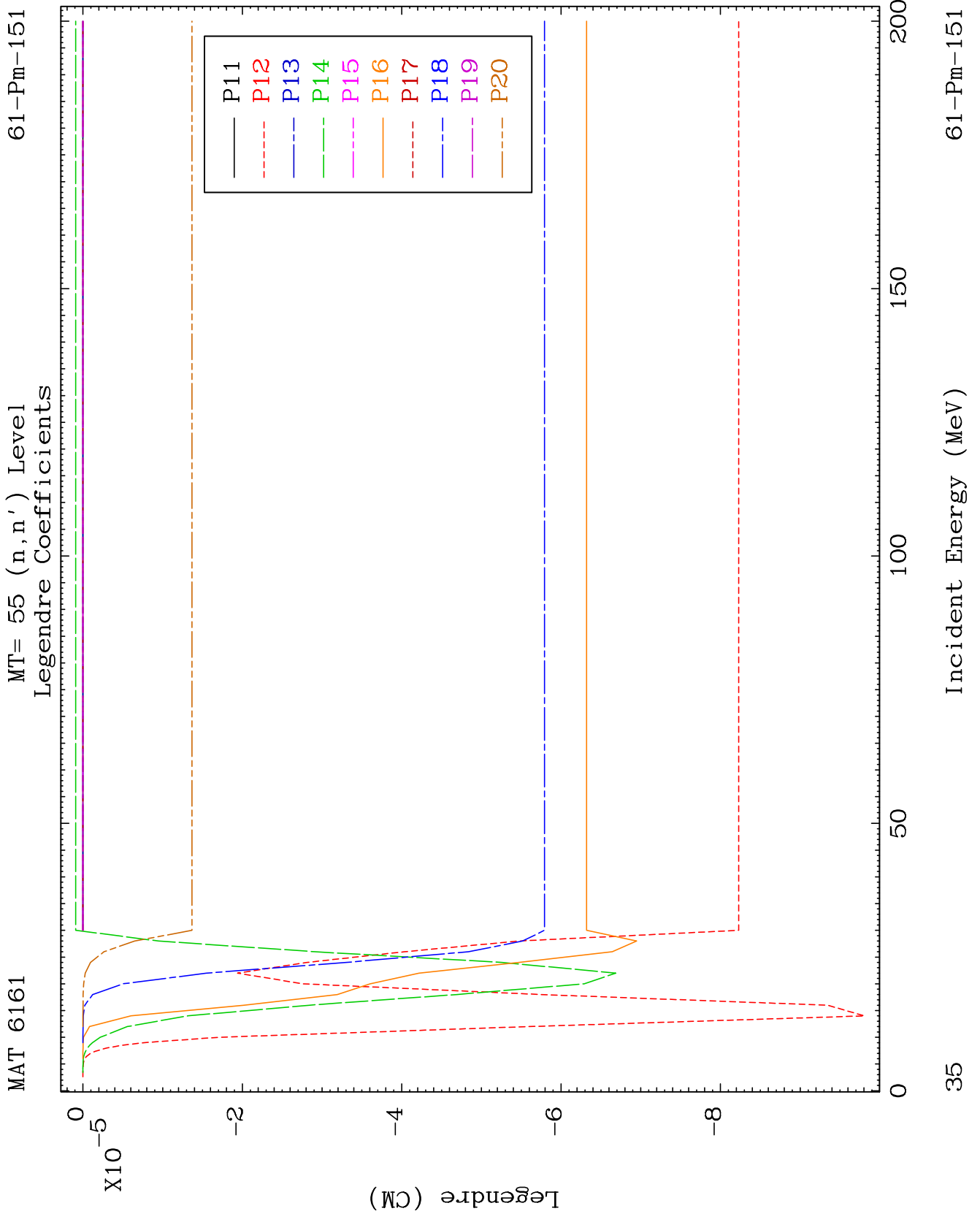


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MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-151

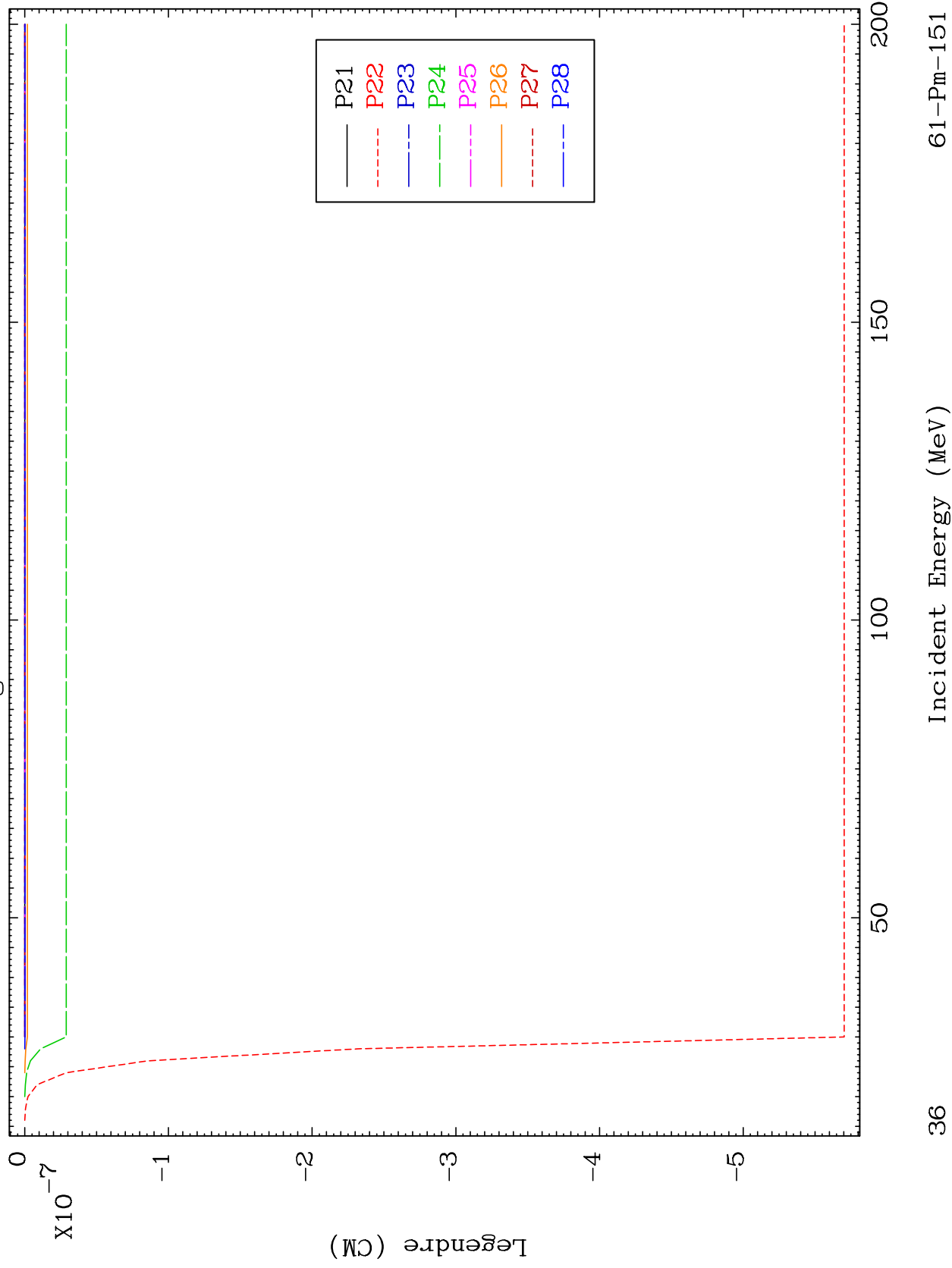




MAT 6161

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

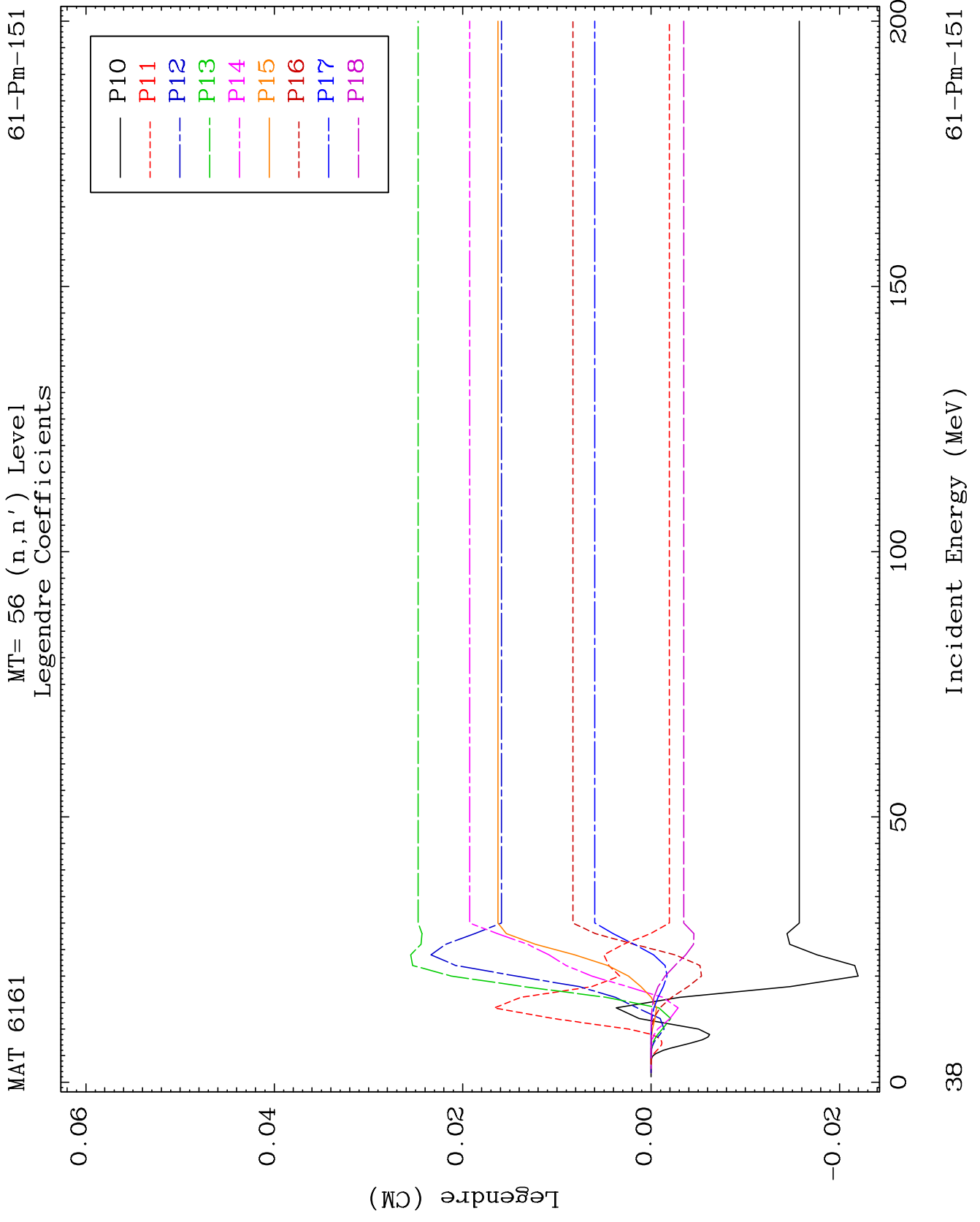
61-Pm-151



36

Incident Energy (MeV)

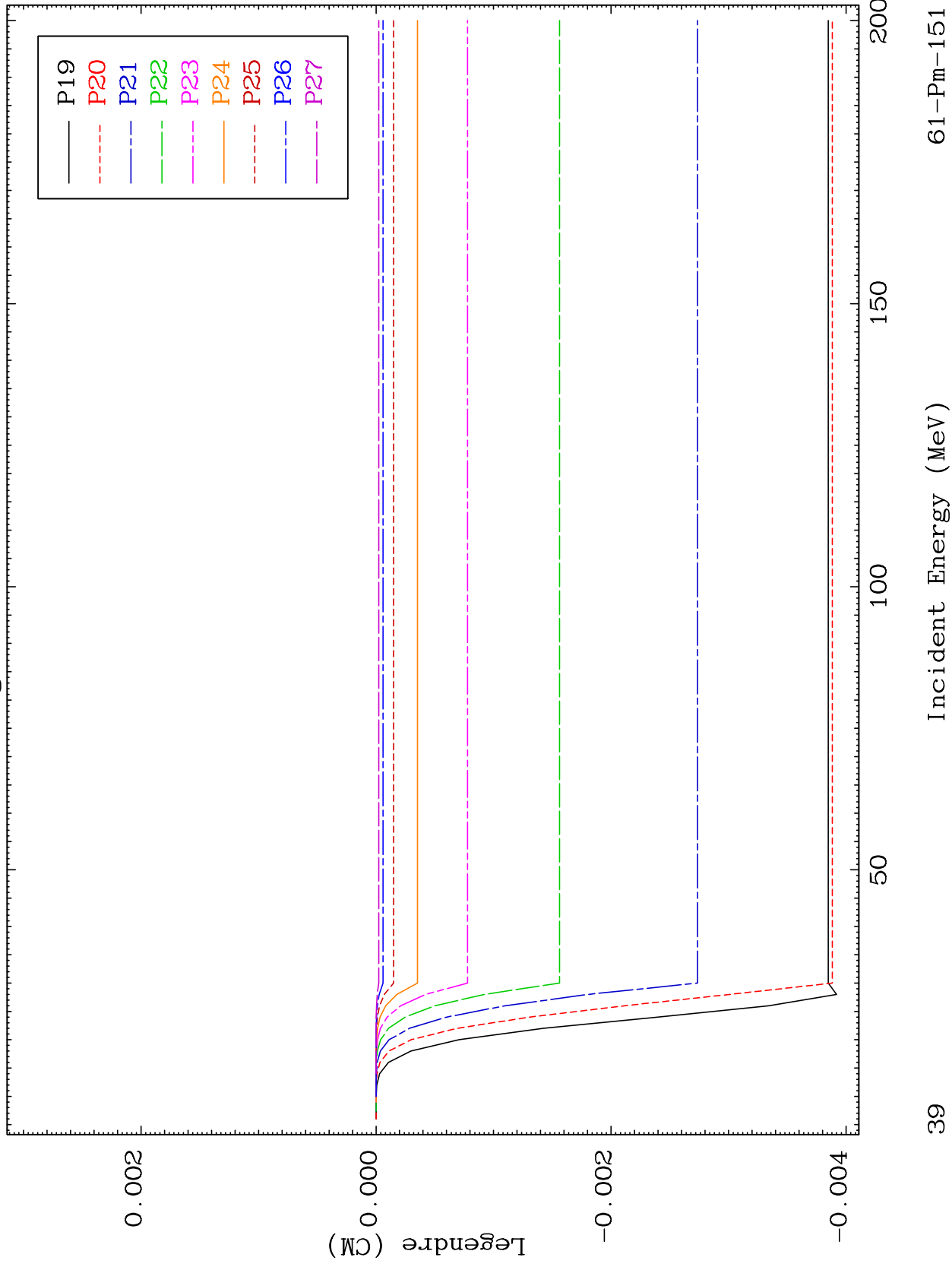
61-Pm-151



MAT 6161

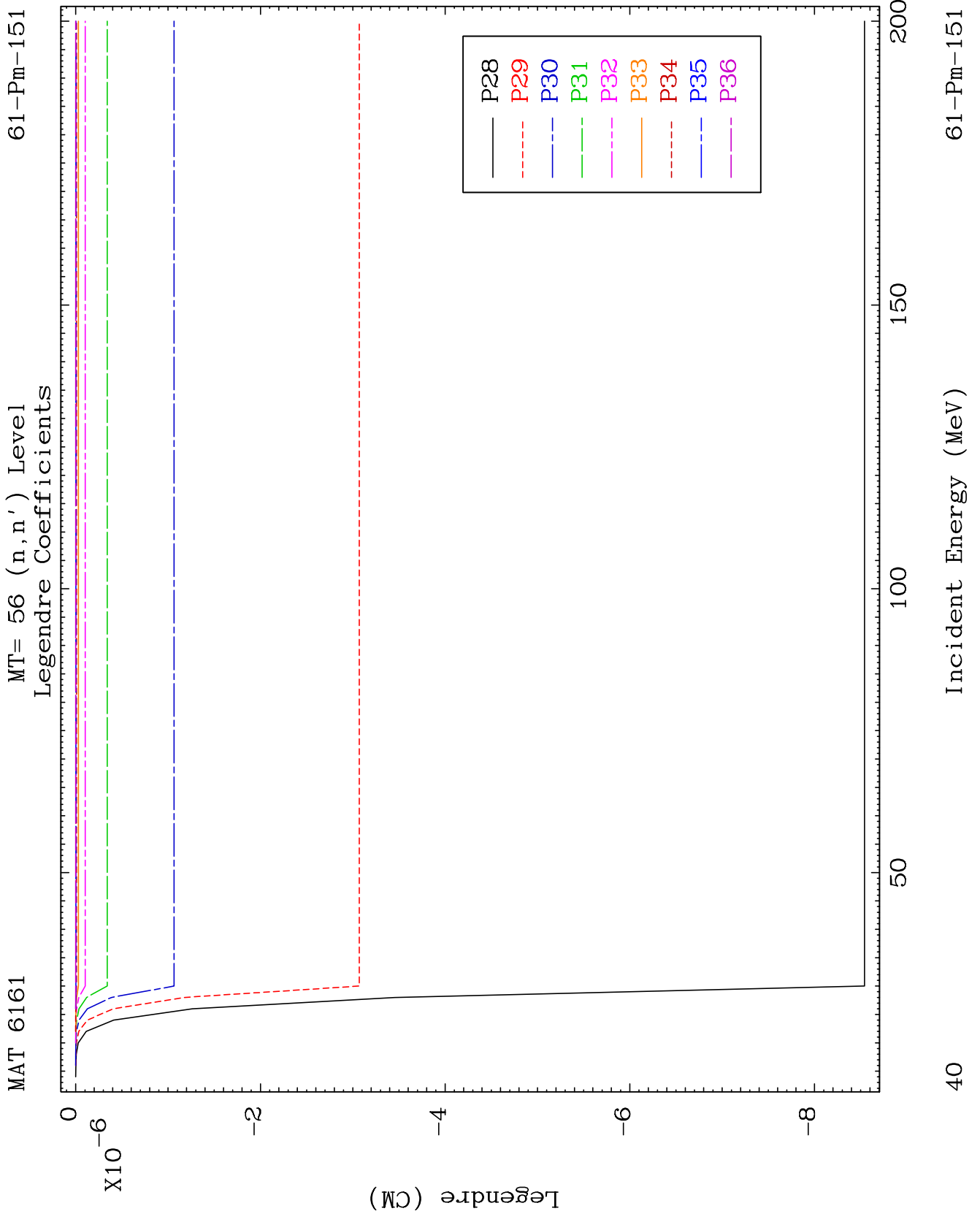
MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-151



39

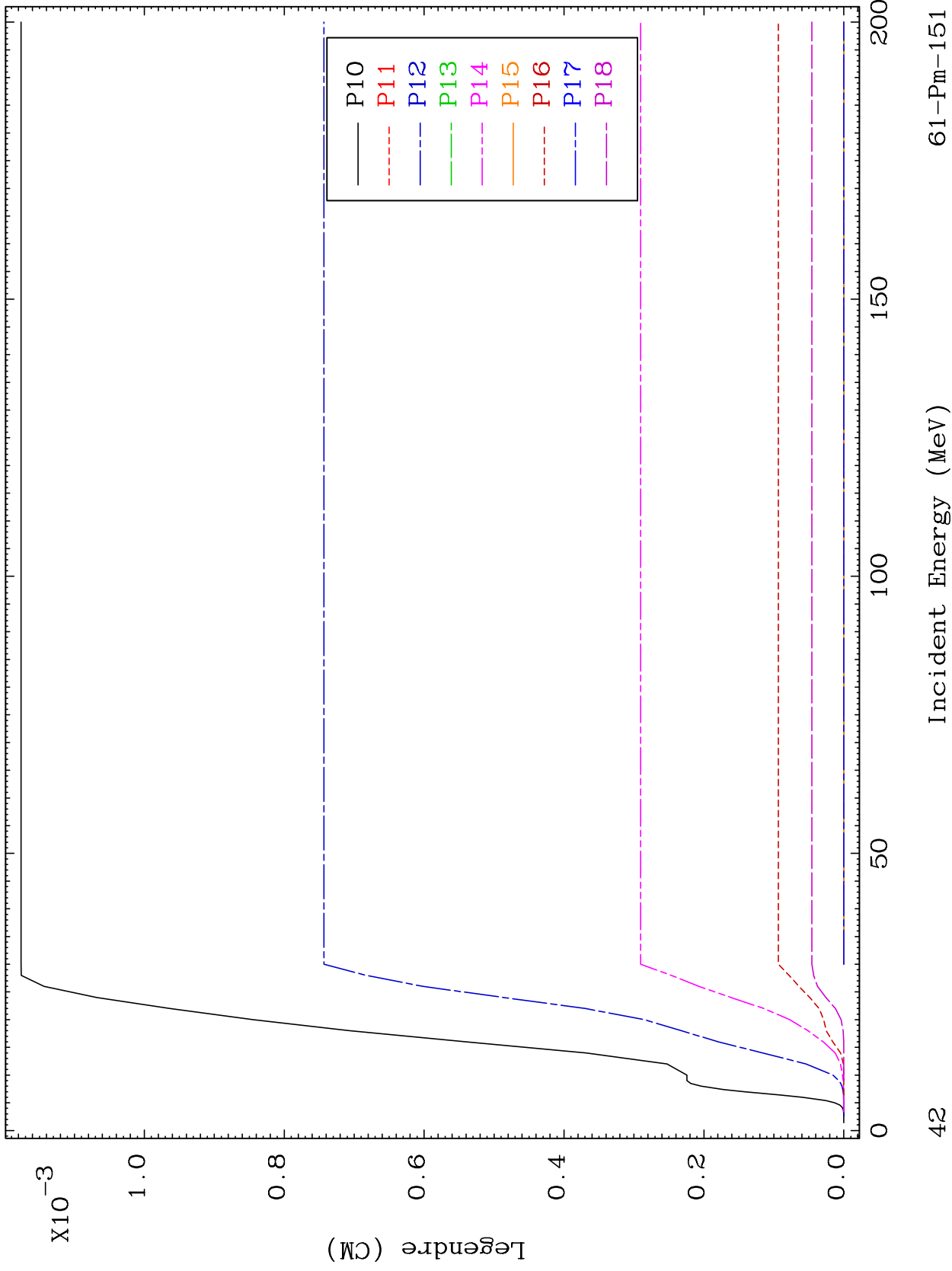
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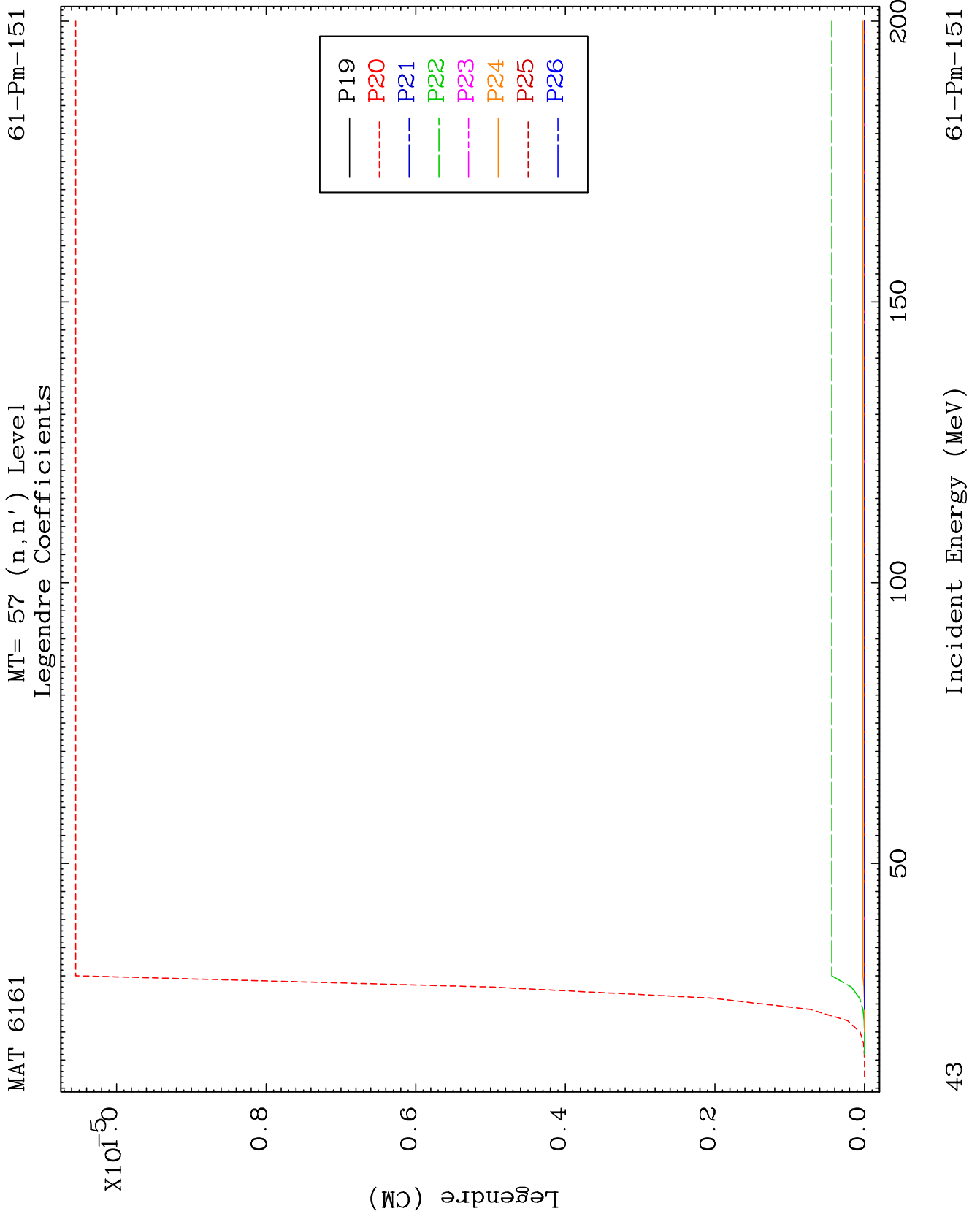


MAT 6161

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

61-Pm-151

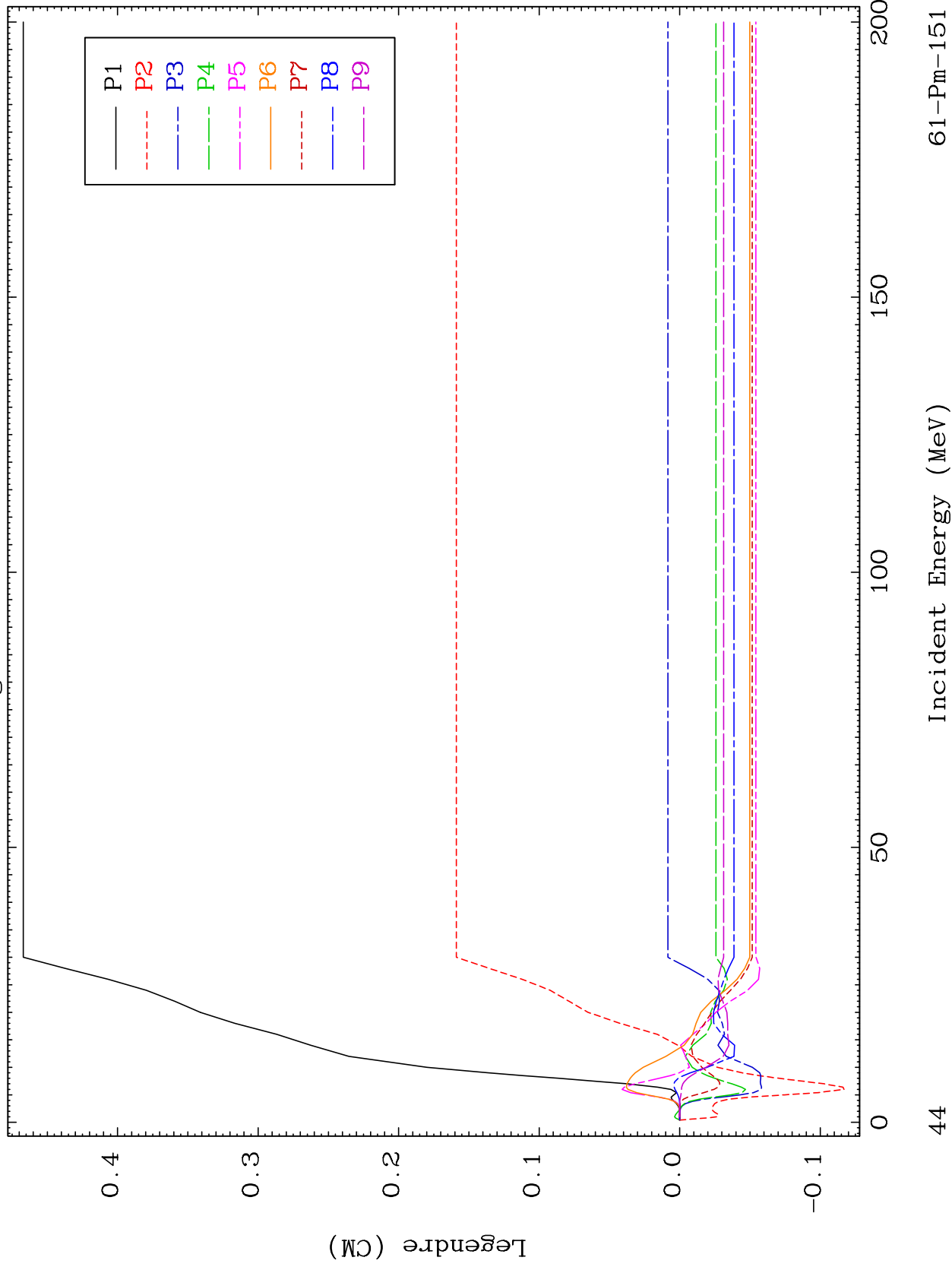




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MT= 58 (n,n') Level
Legendre Coefficients

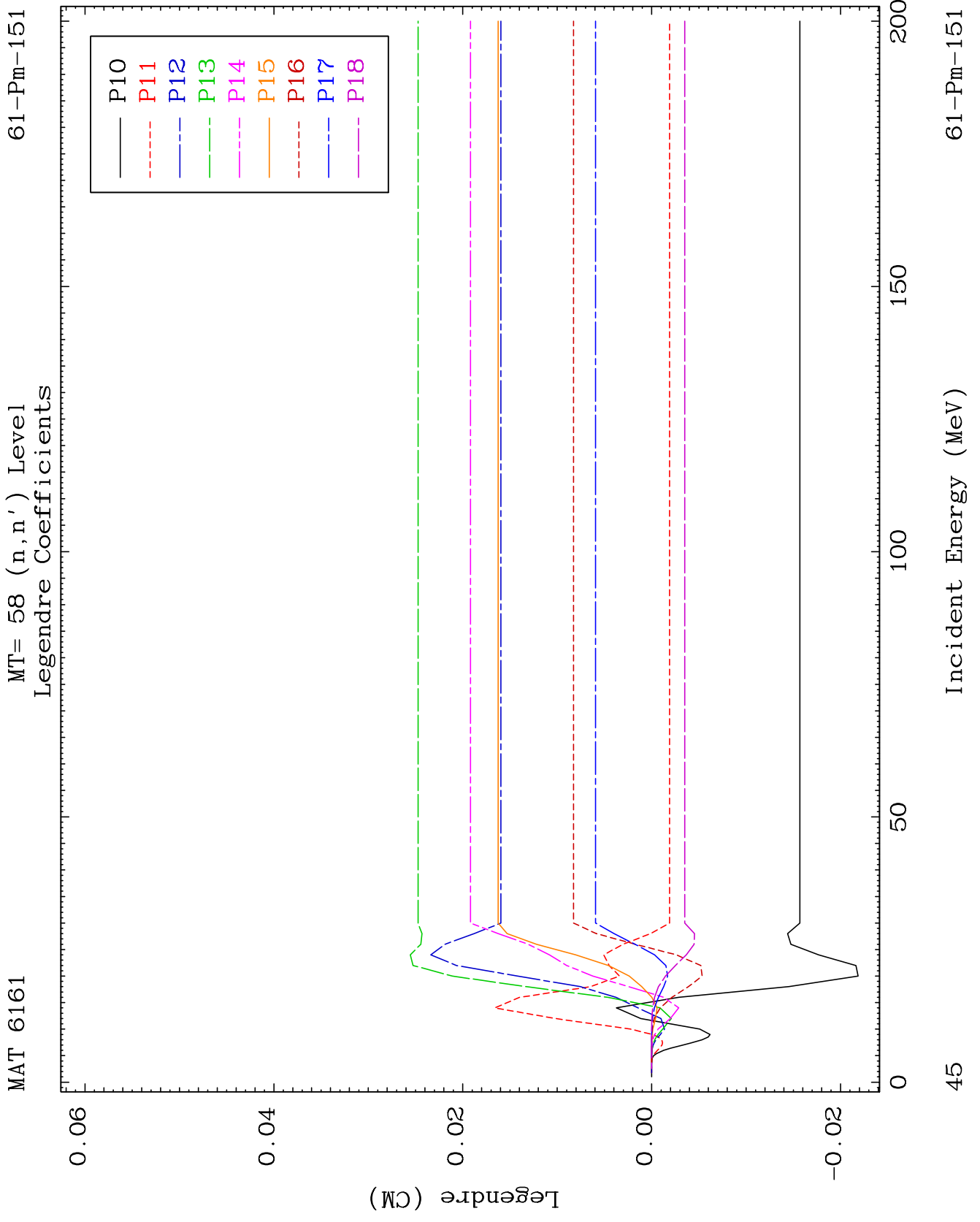
61-Pm-151



61-Pm-151

Incident Energy (MeV)

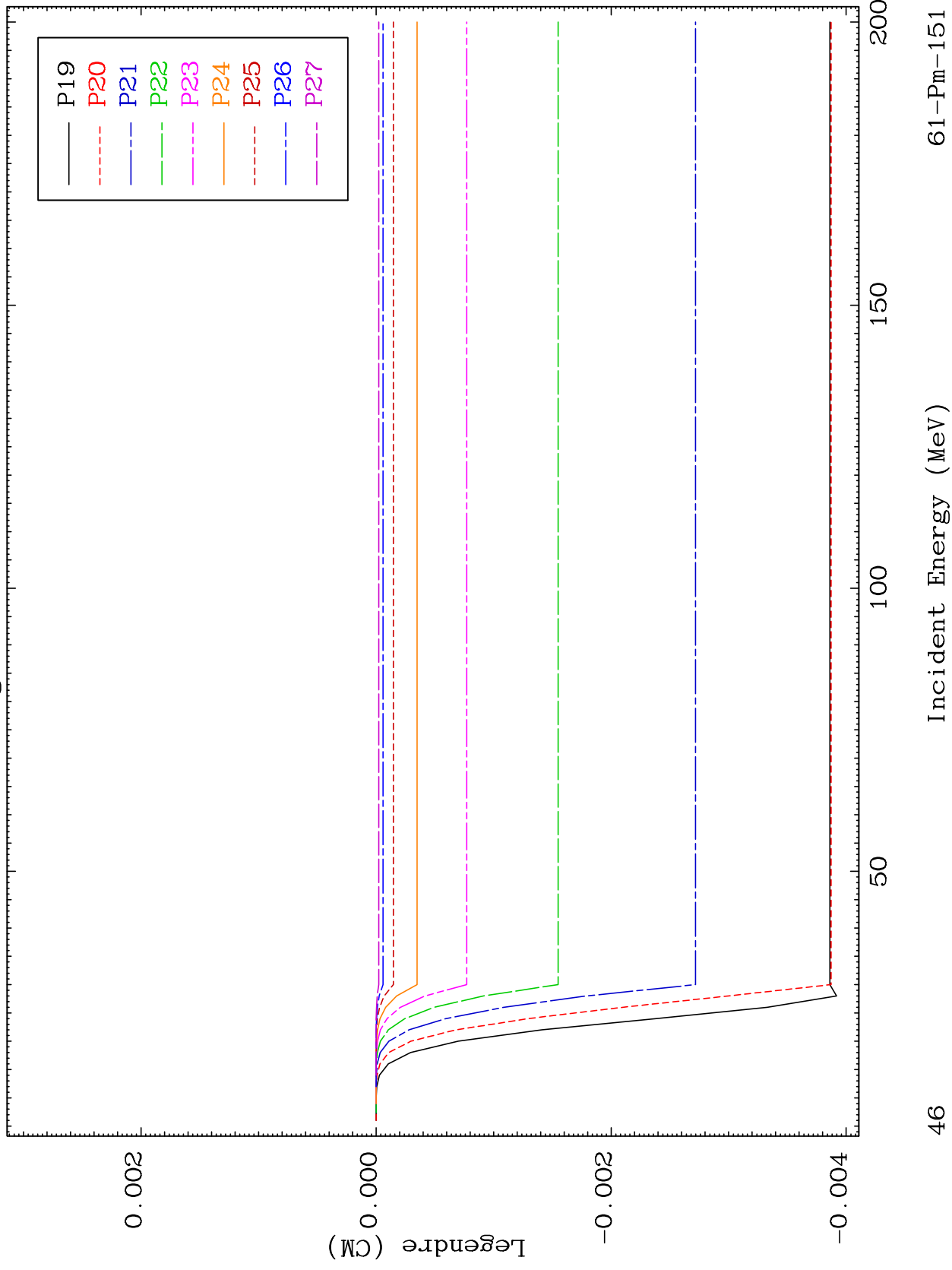
44



MAT 6161

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

61-Pm-151



46

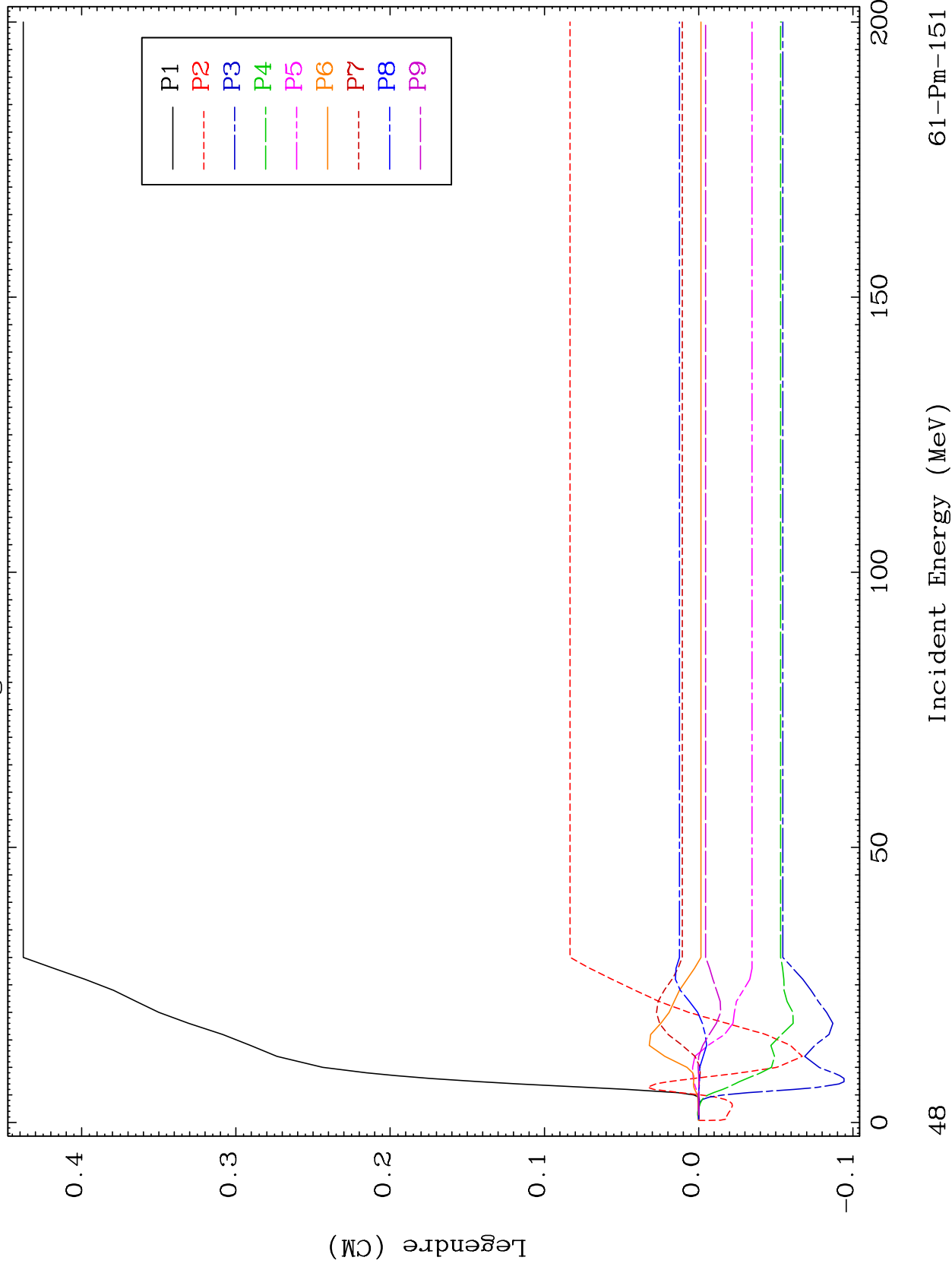
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

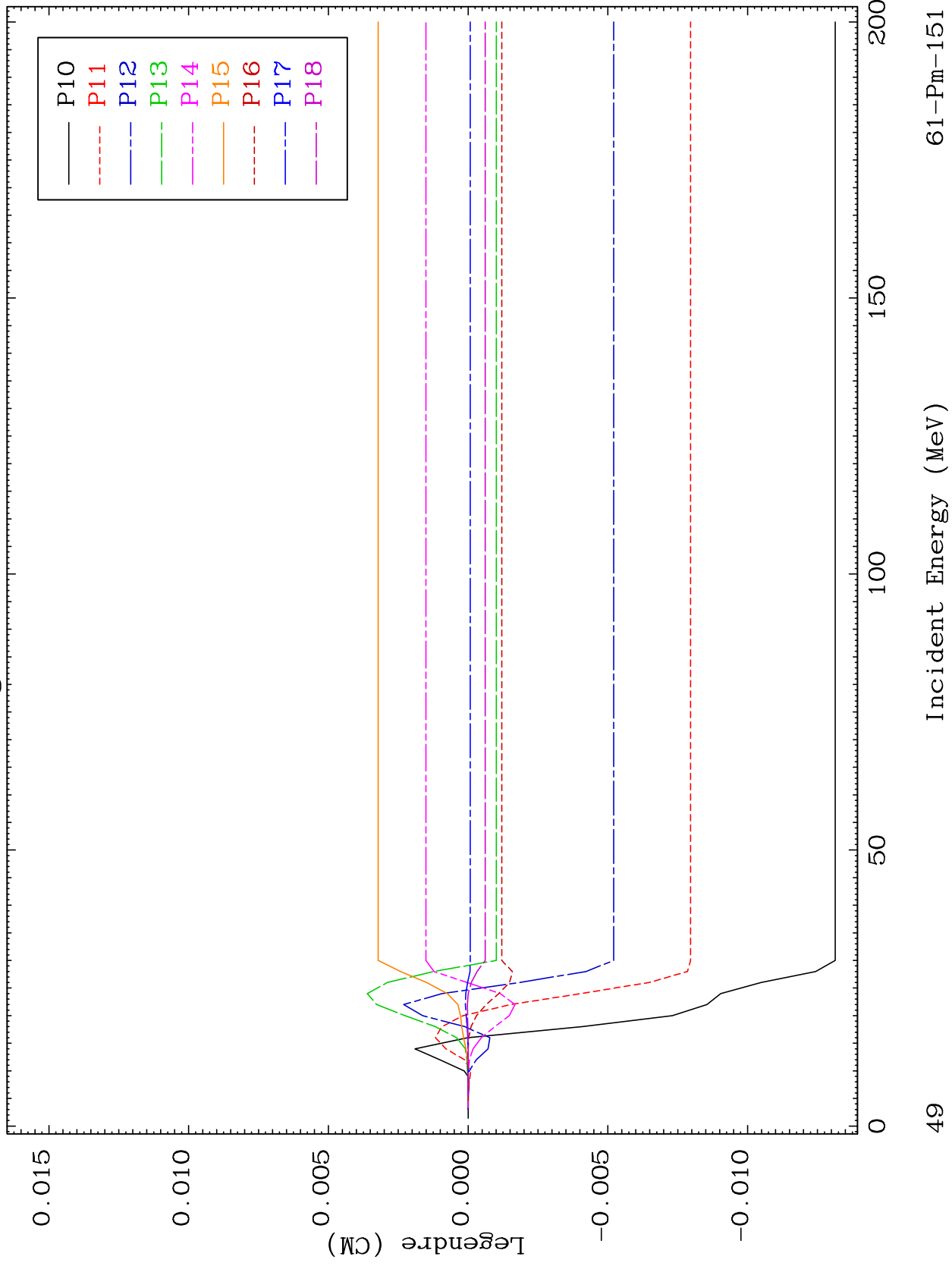
Incident Energy (MeV)

48

MAT 6161

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

61-Pm-151



49

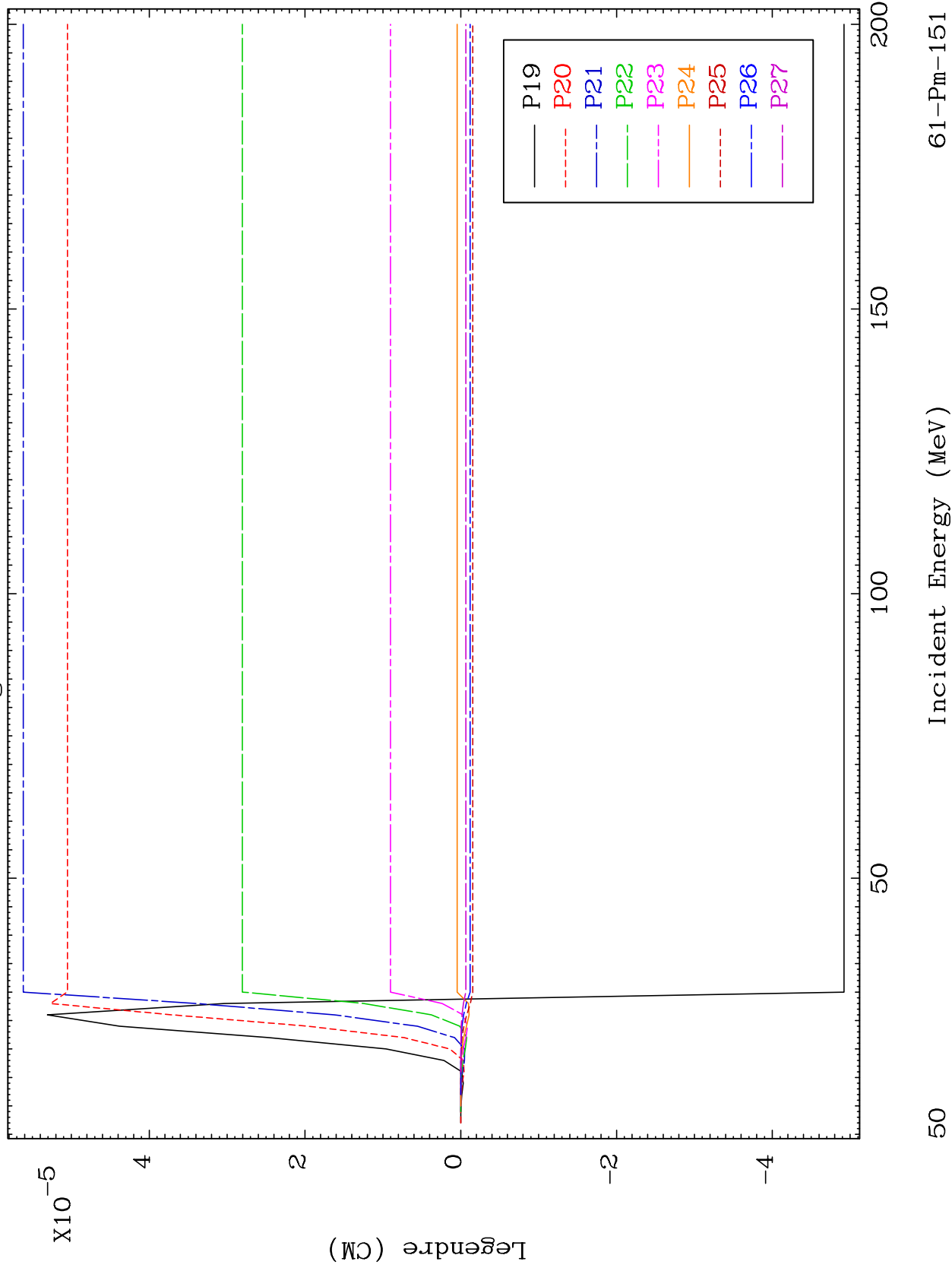
Incident Energy (MeV)

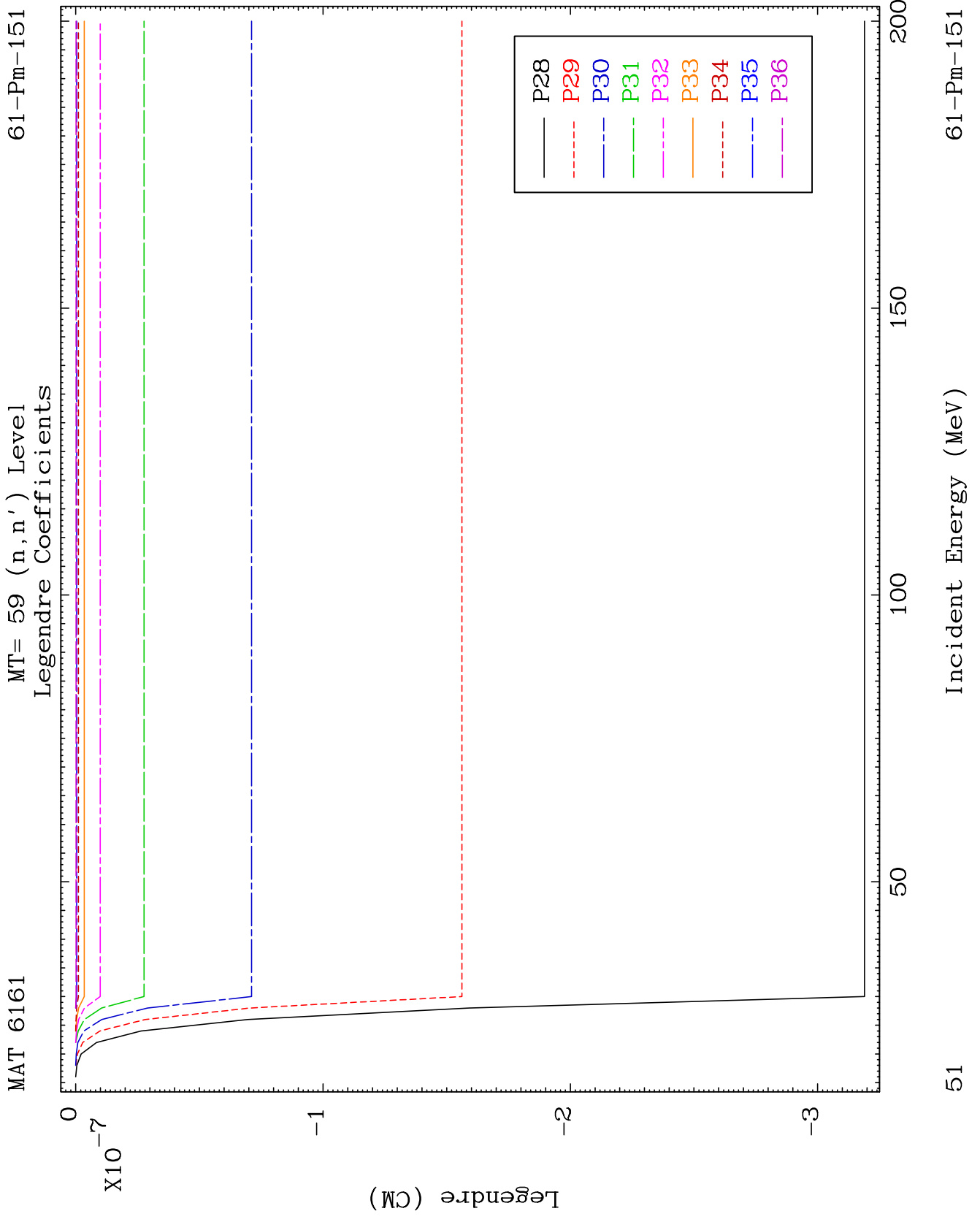
61-Pm-151

MAT 6161

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

61-Pm-151

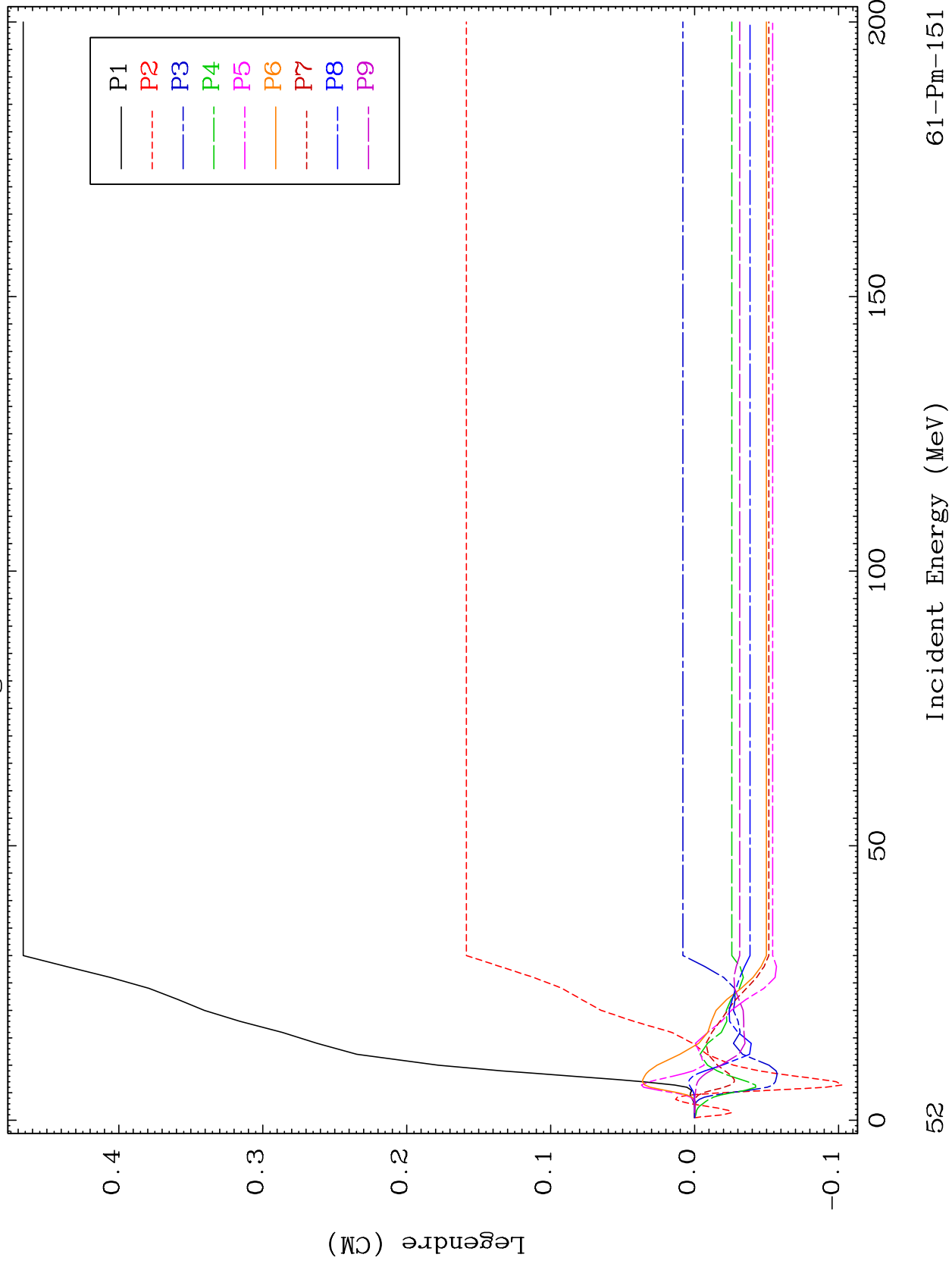




MAT 6161

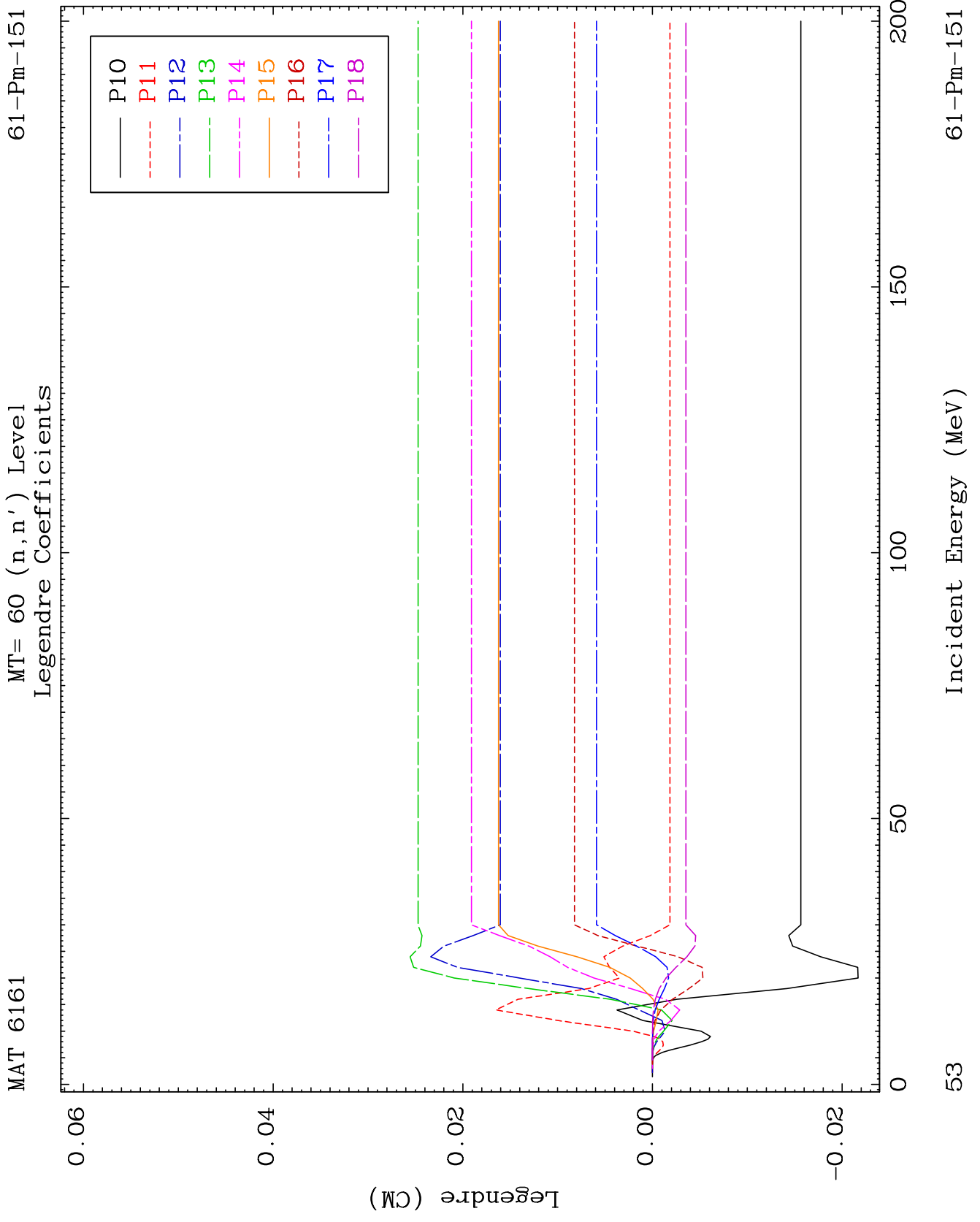
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Legendre Coefficients

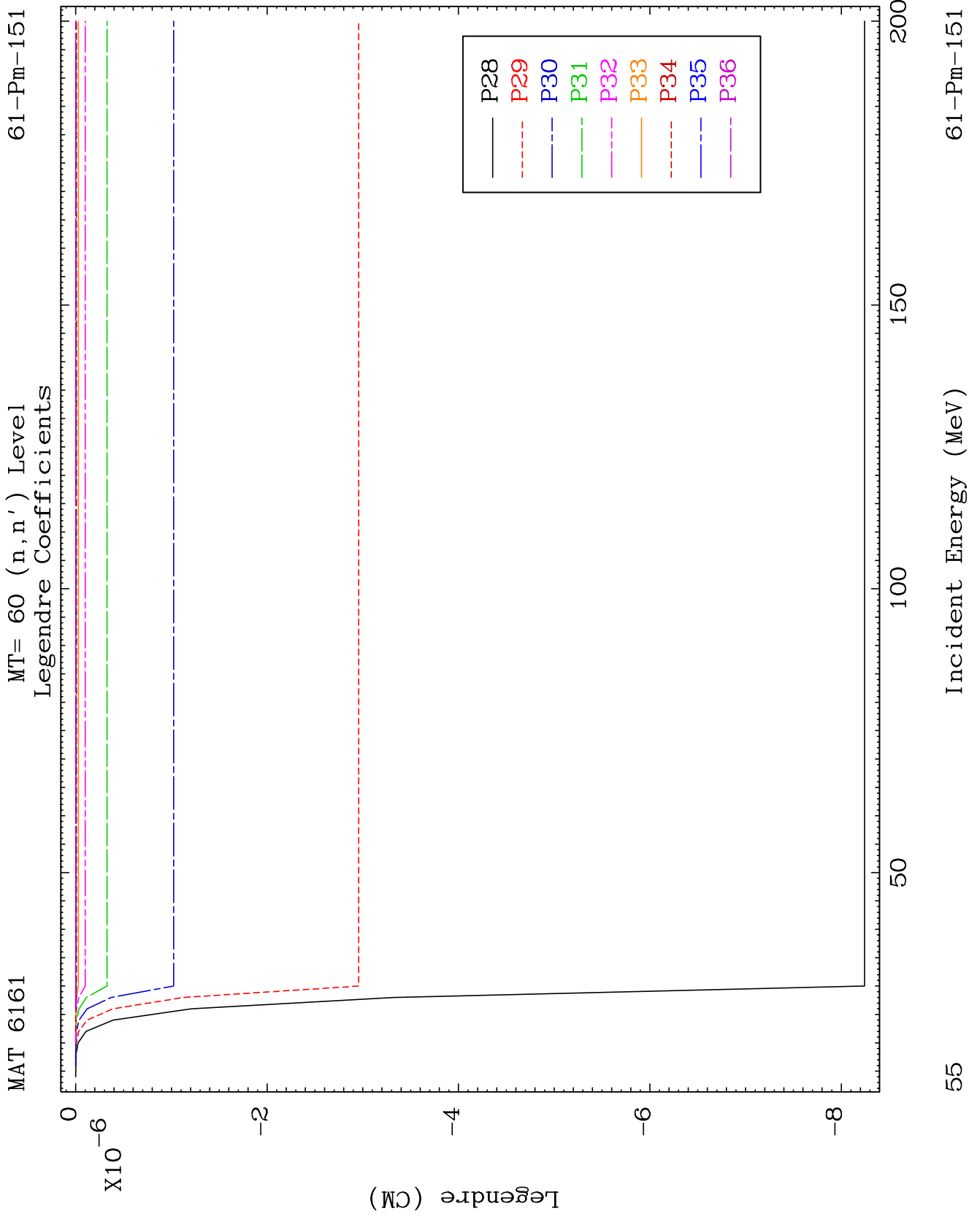
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61-Pm-151

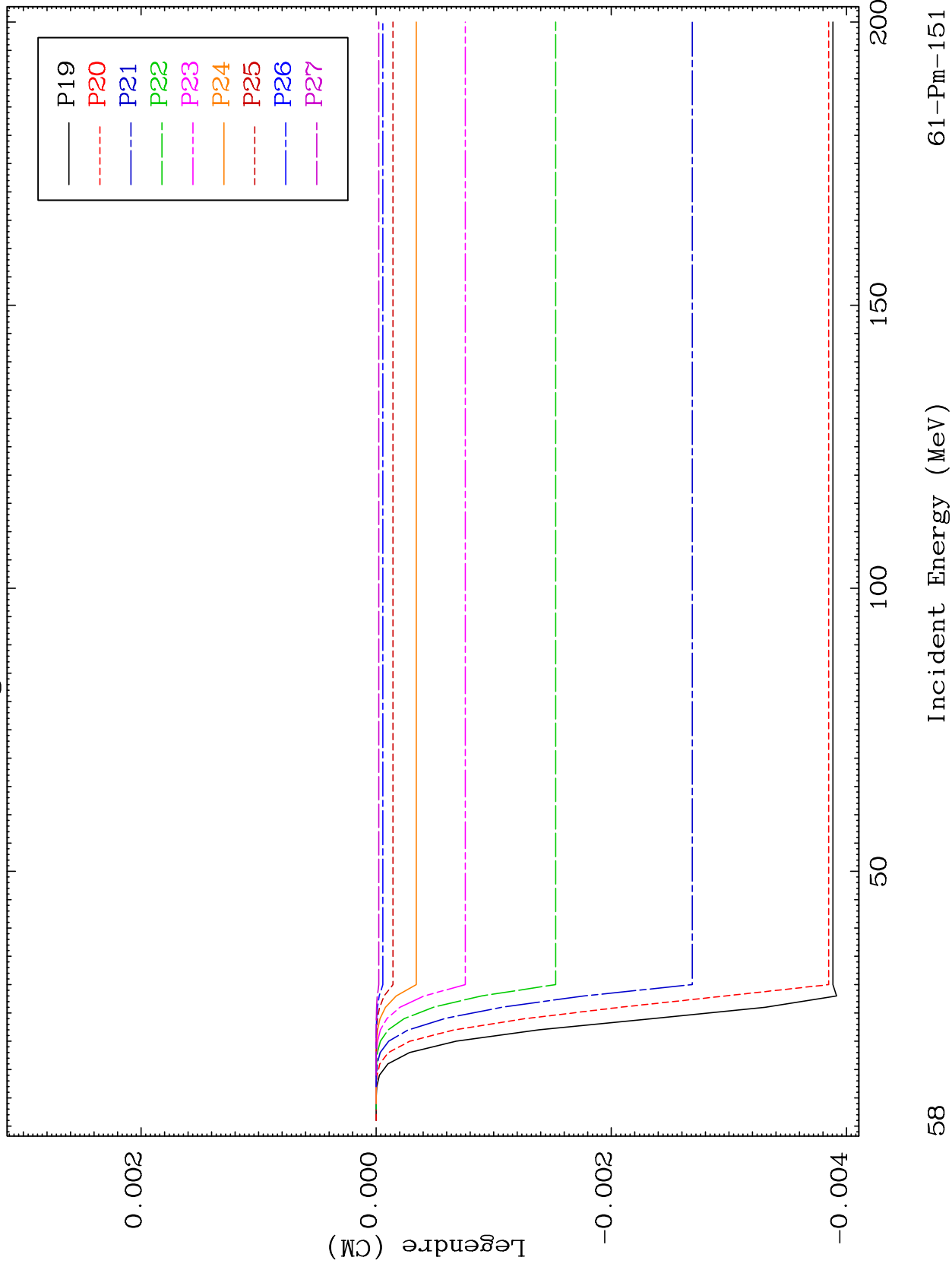




MAT 6161

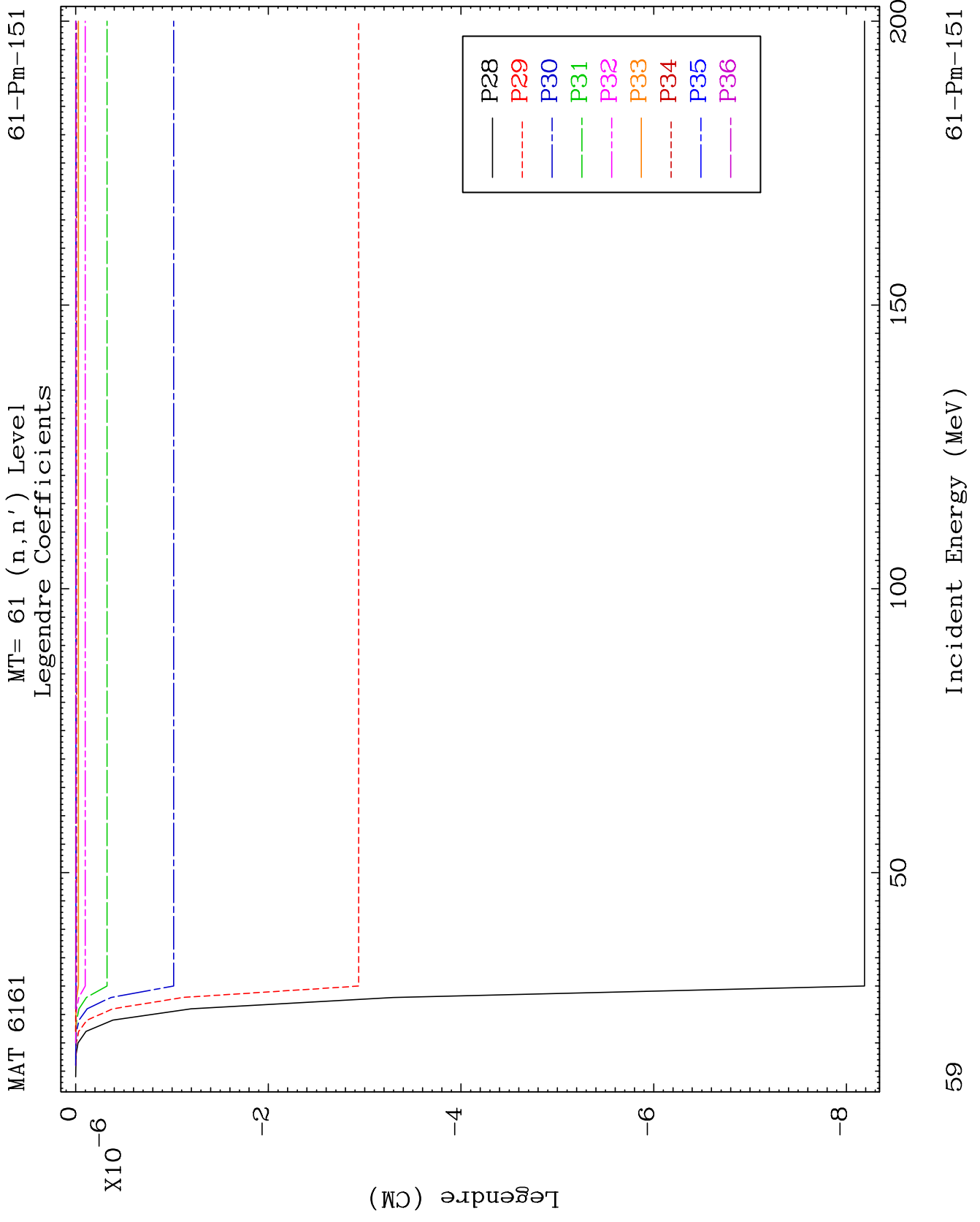
MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-151



58

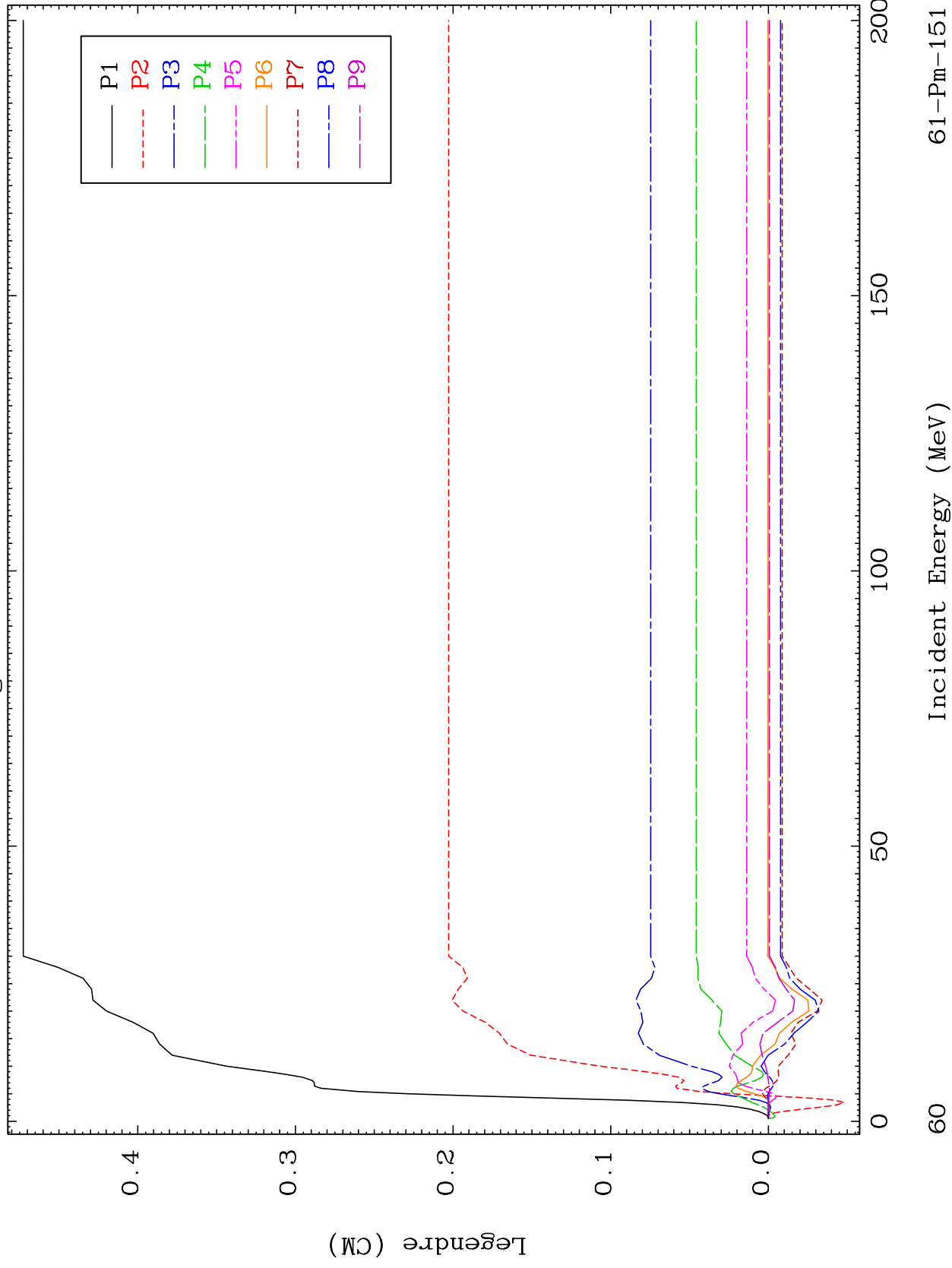
61-Pm-151



MAT 6161

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

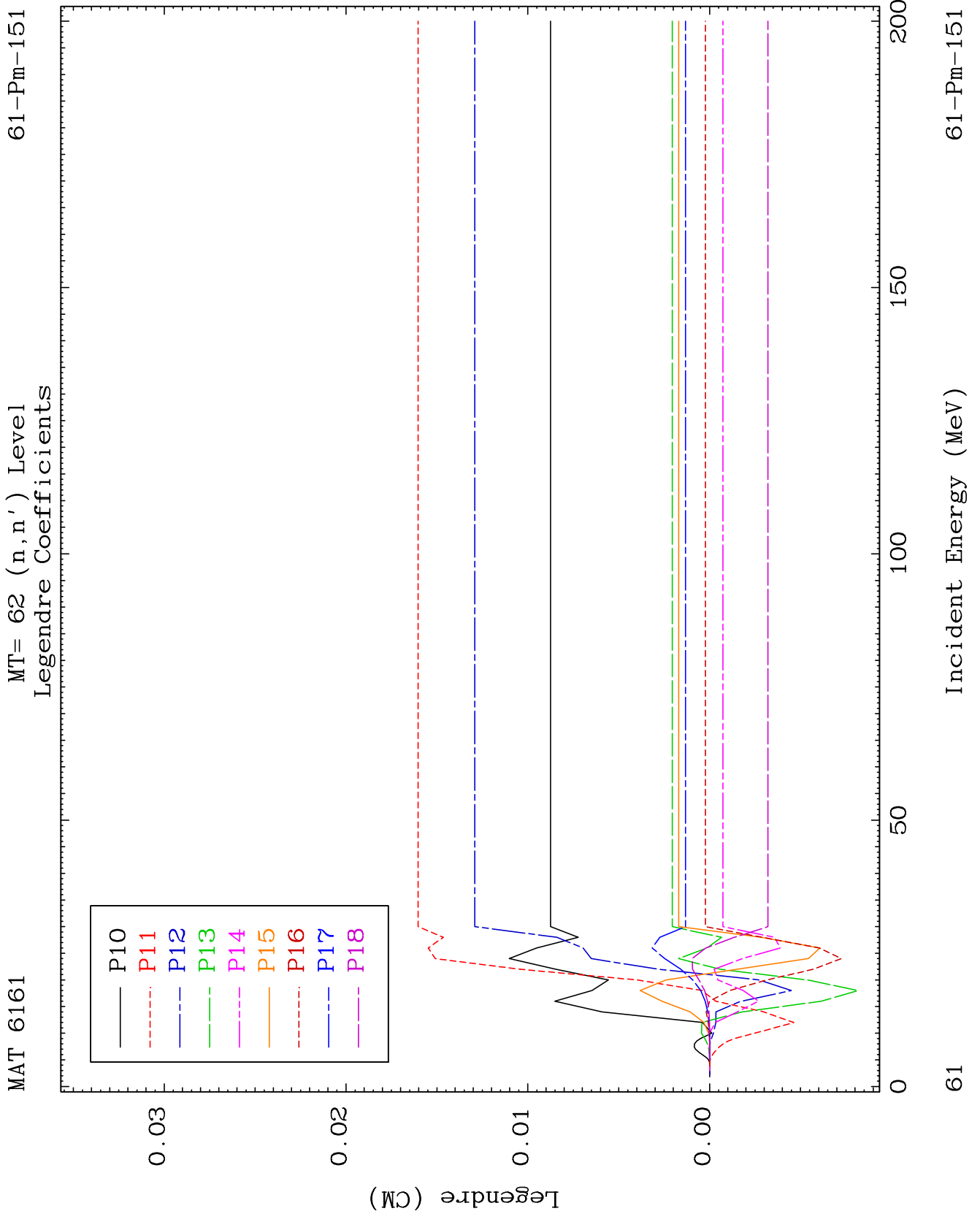
61-Pm-151



61-Pm-151

Incident Energy (MeV)

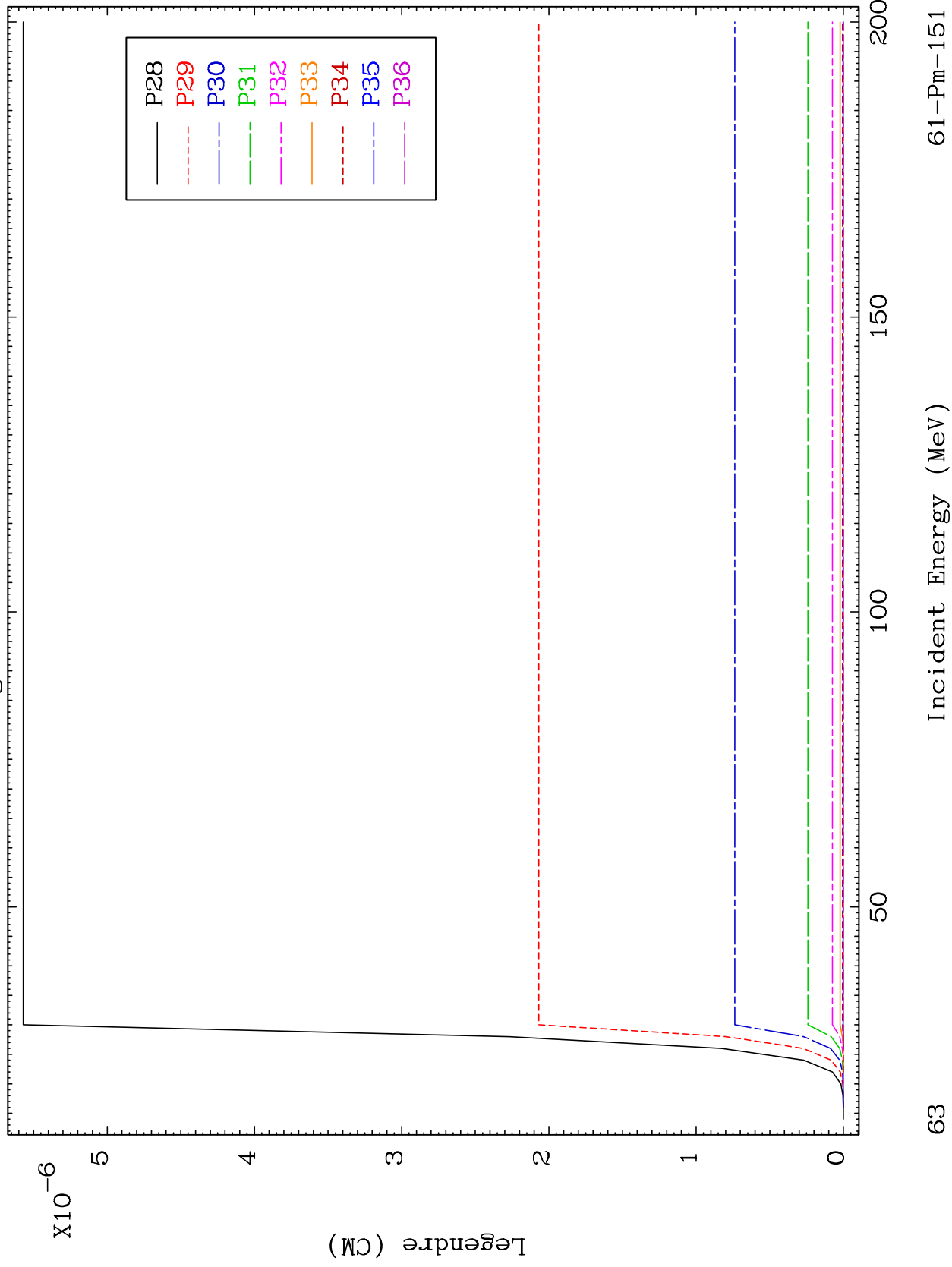
60



MAT 6161

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

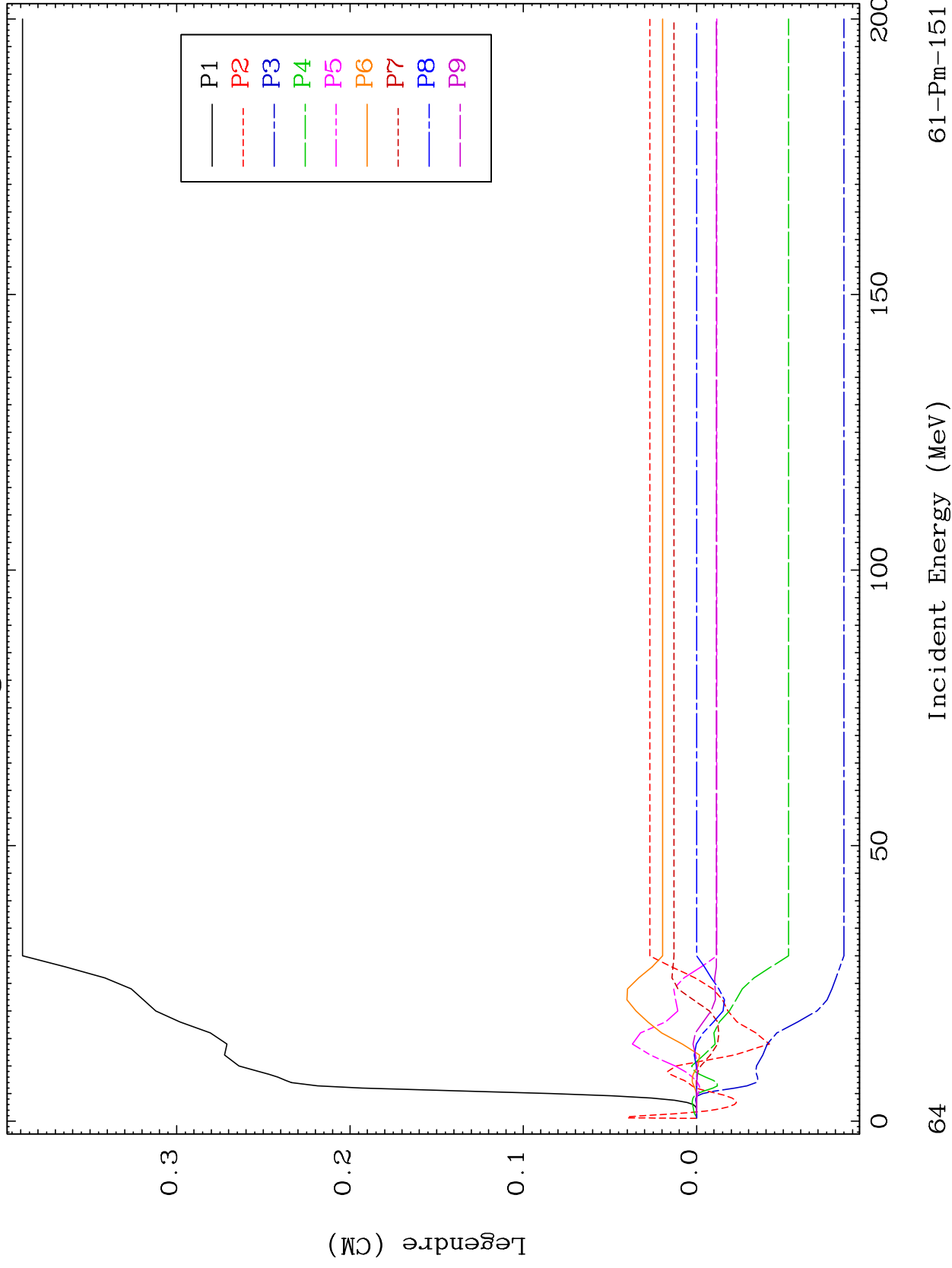
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MAT 6161

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

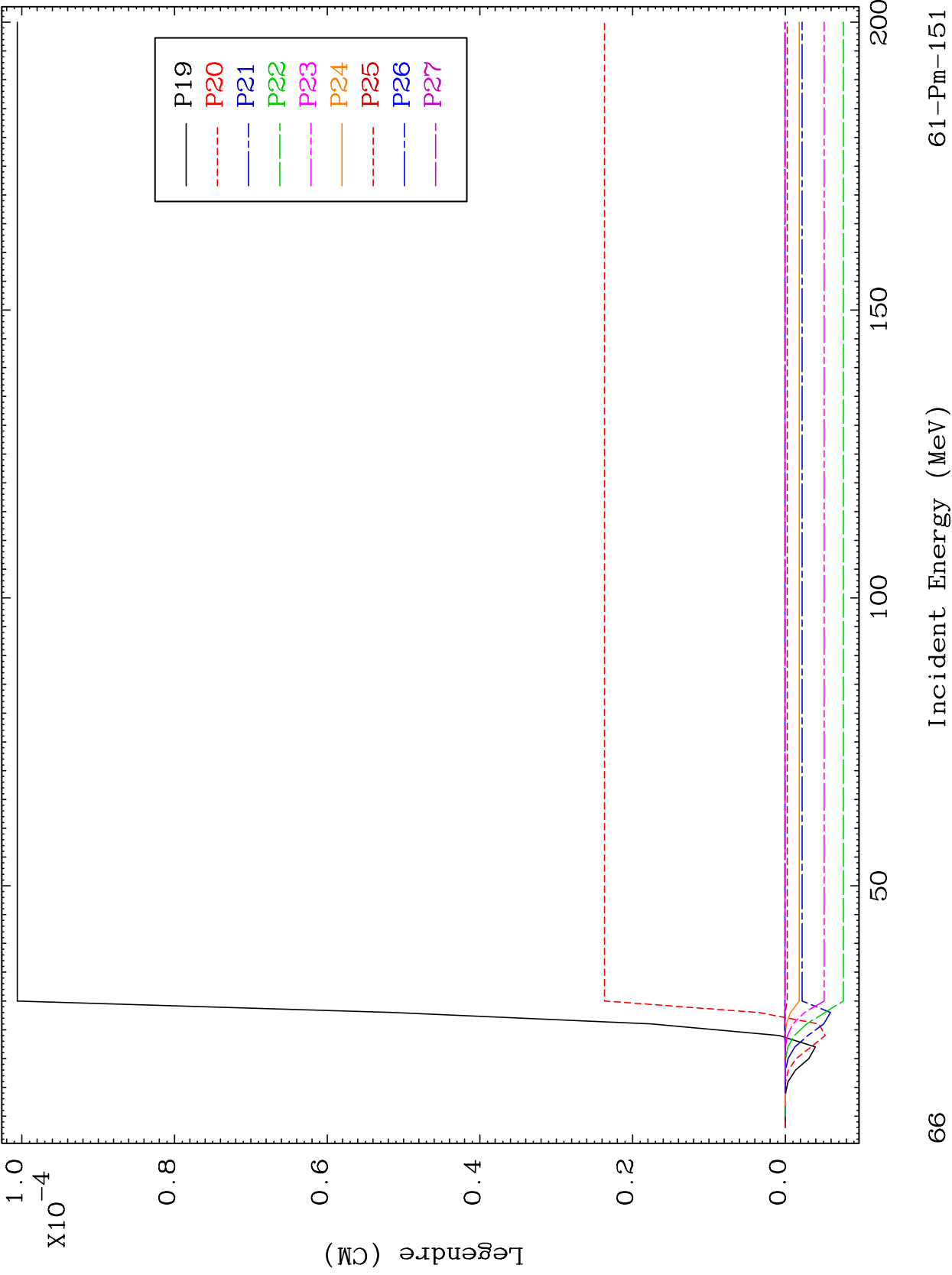
61-Pm-151



61-Pm-151

Incident Energy (MeV)

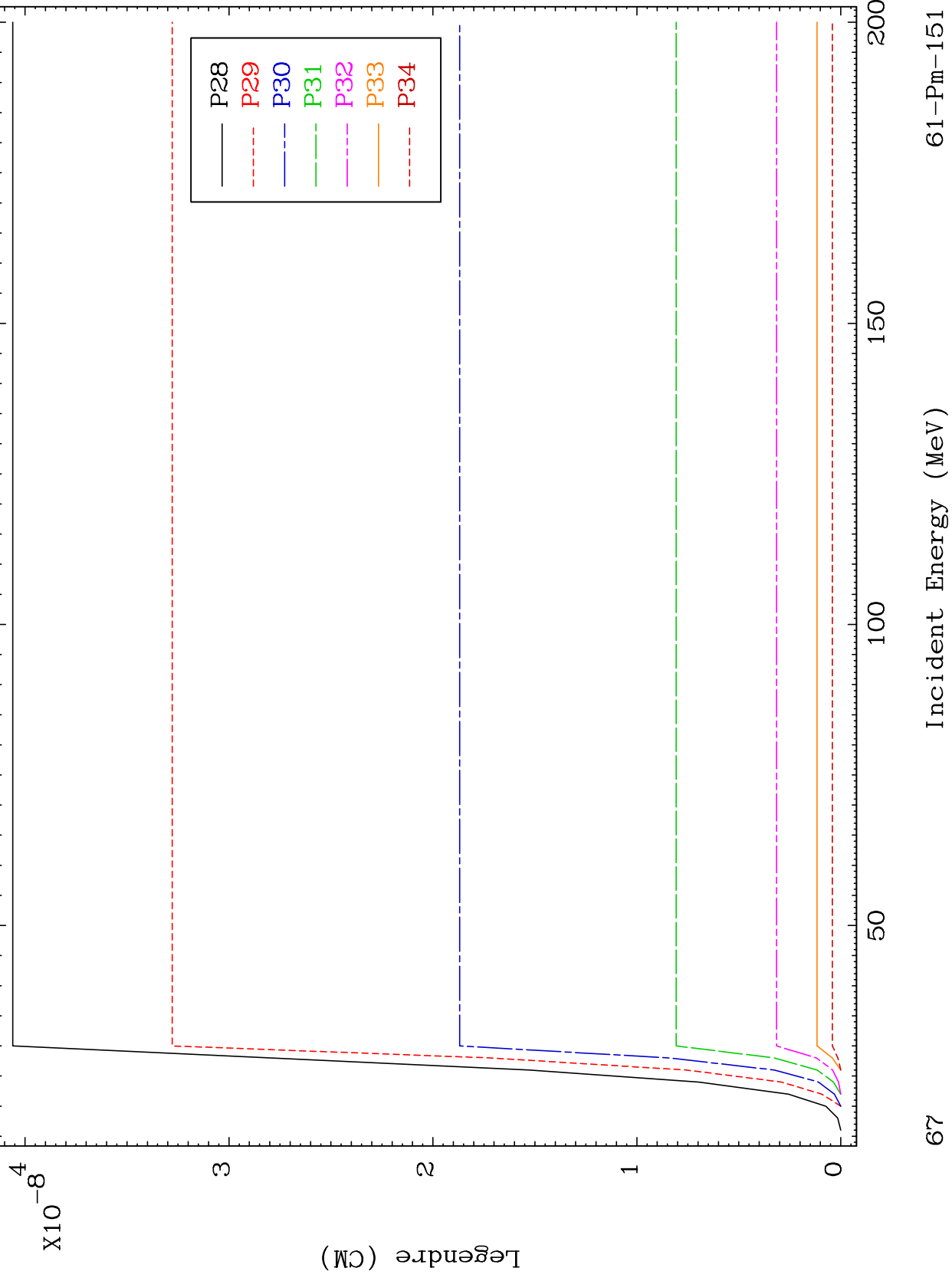
64



MAT 6161

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

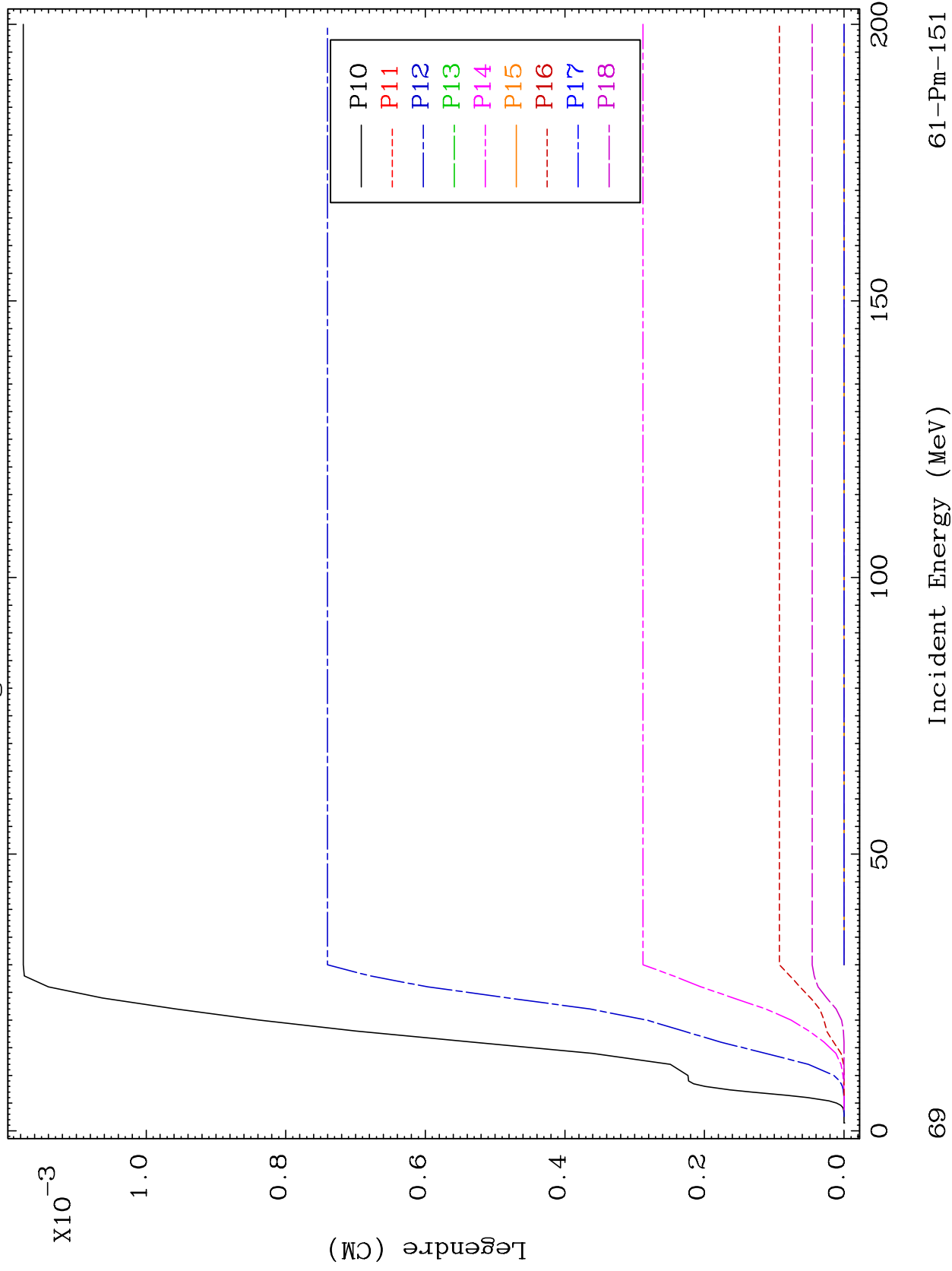
61-Pm-151



MAT 6161

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

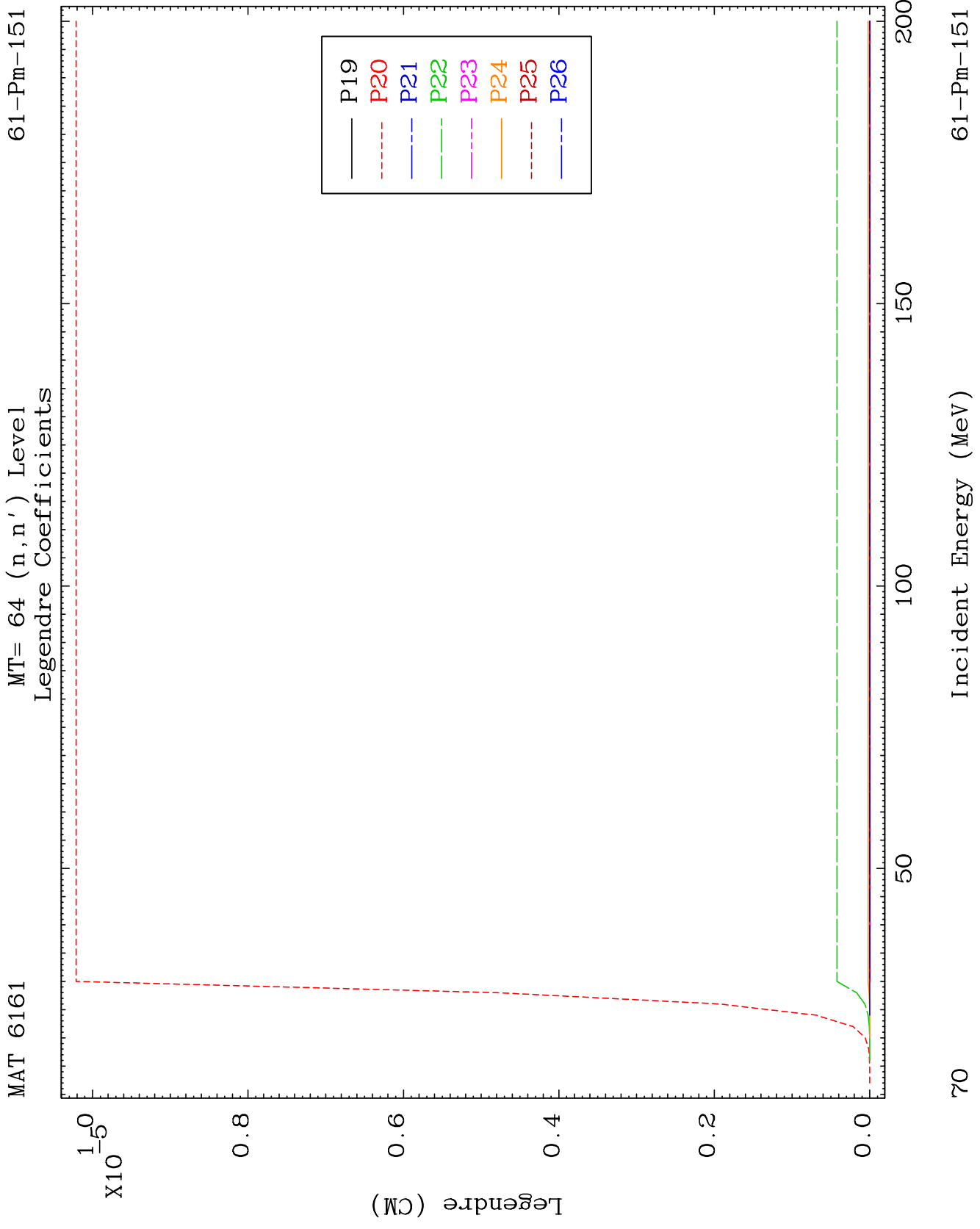
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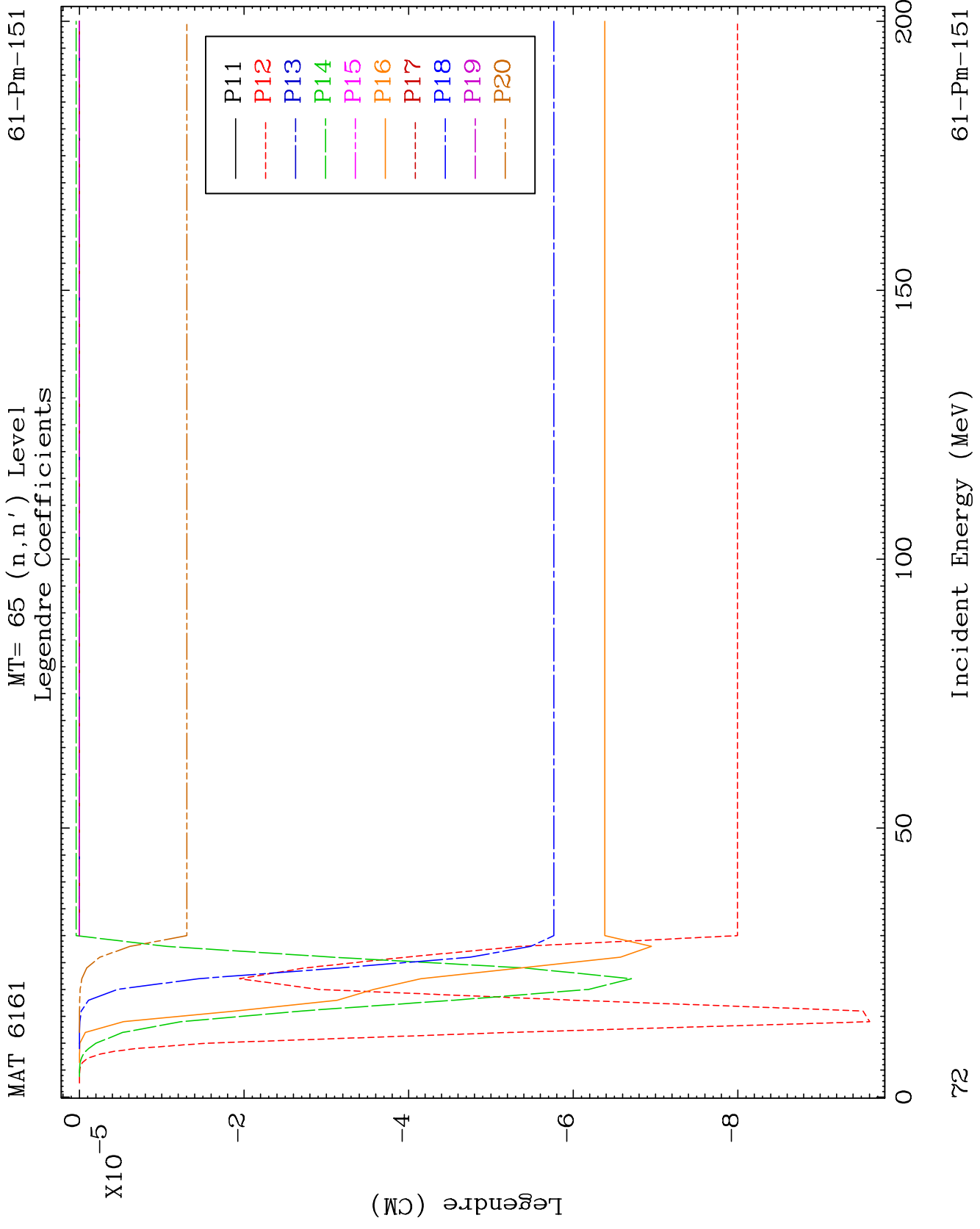


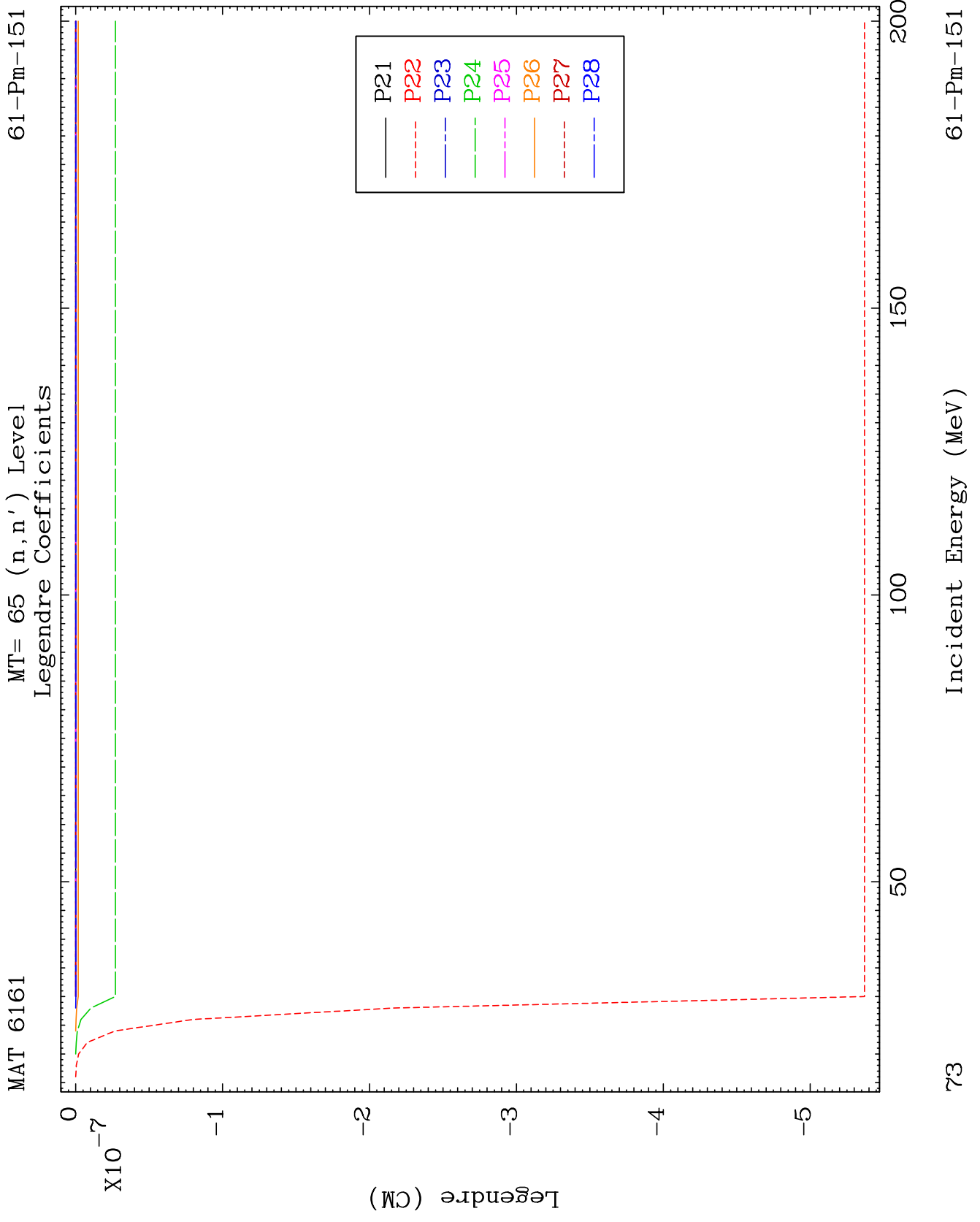
61-Pm-151

Incident Energy (MeV)

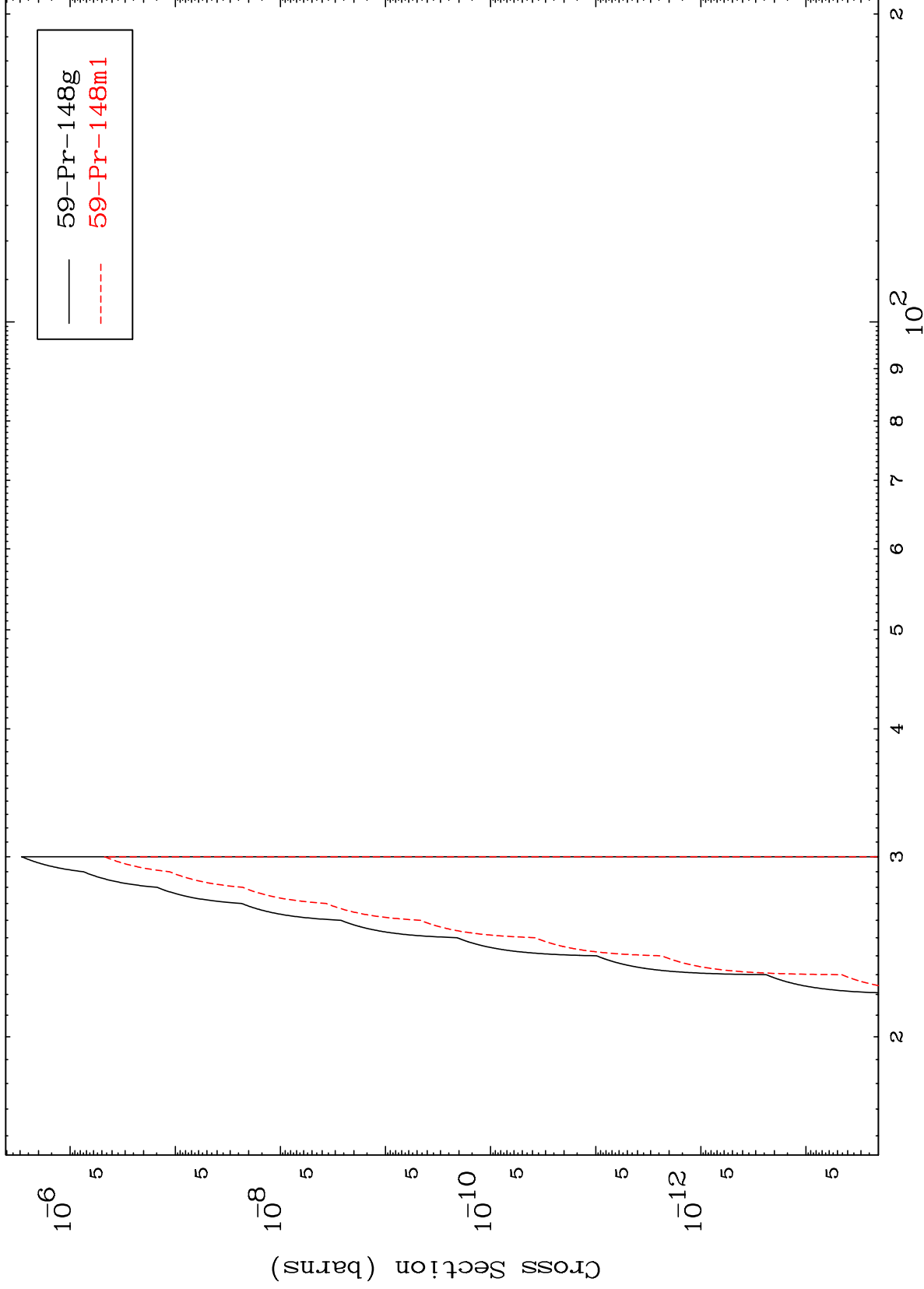
69







Radionuclide Production Cross Section

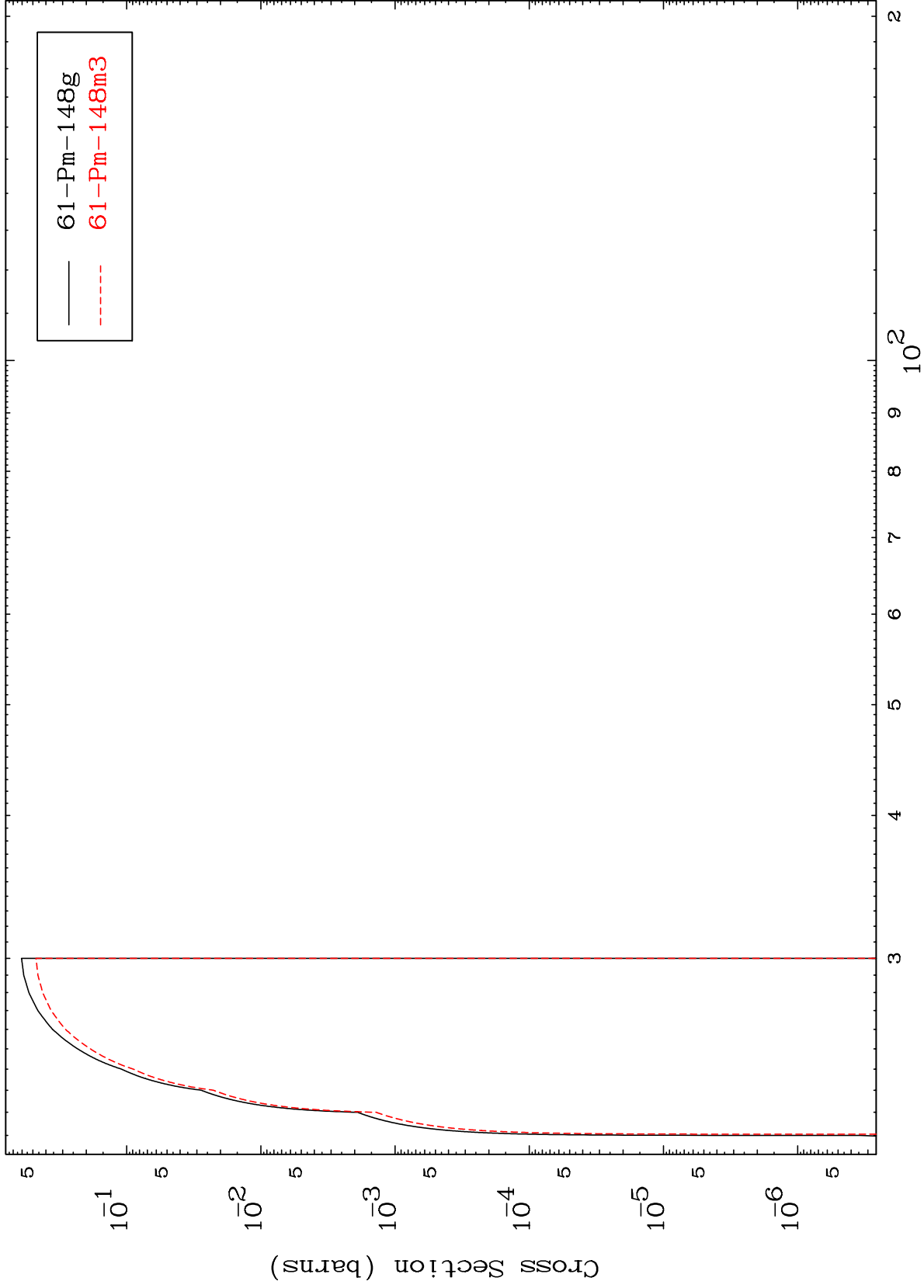


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(n,4n)

61-Pm-151

Radionuclide Production Cross Section



75

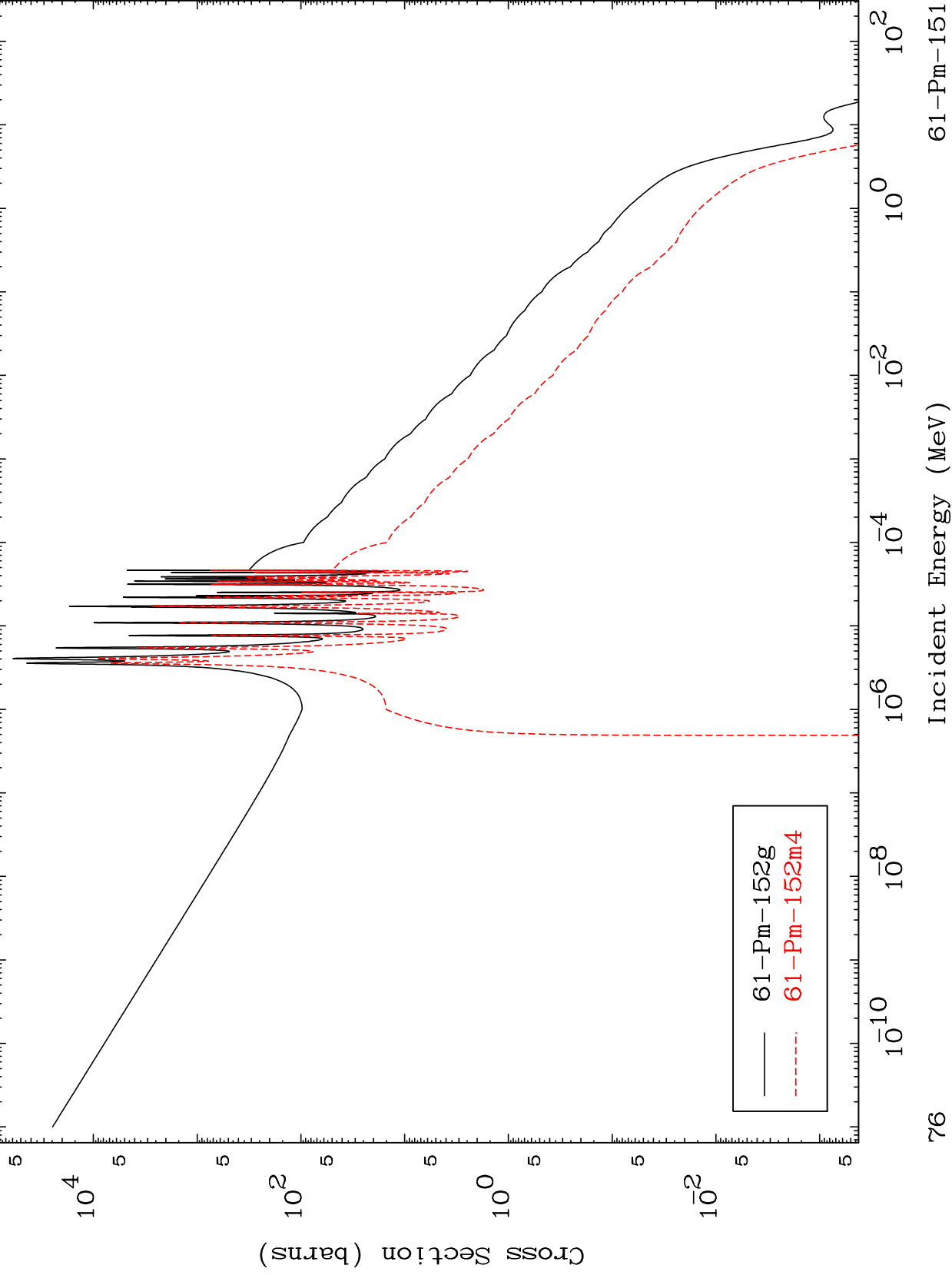
Incident Energy (MeV)

61-Pm-151

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61-Pm-151

(n,γ)
Radionuclide Production Cross Section



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61-Pm-151

(n, α)
Radionuclide Production Cross Section

