

Program EVALPLOT
(Version 2015-2)

by

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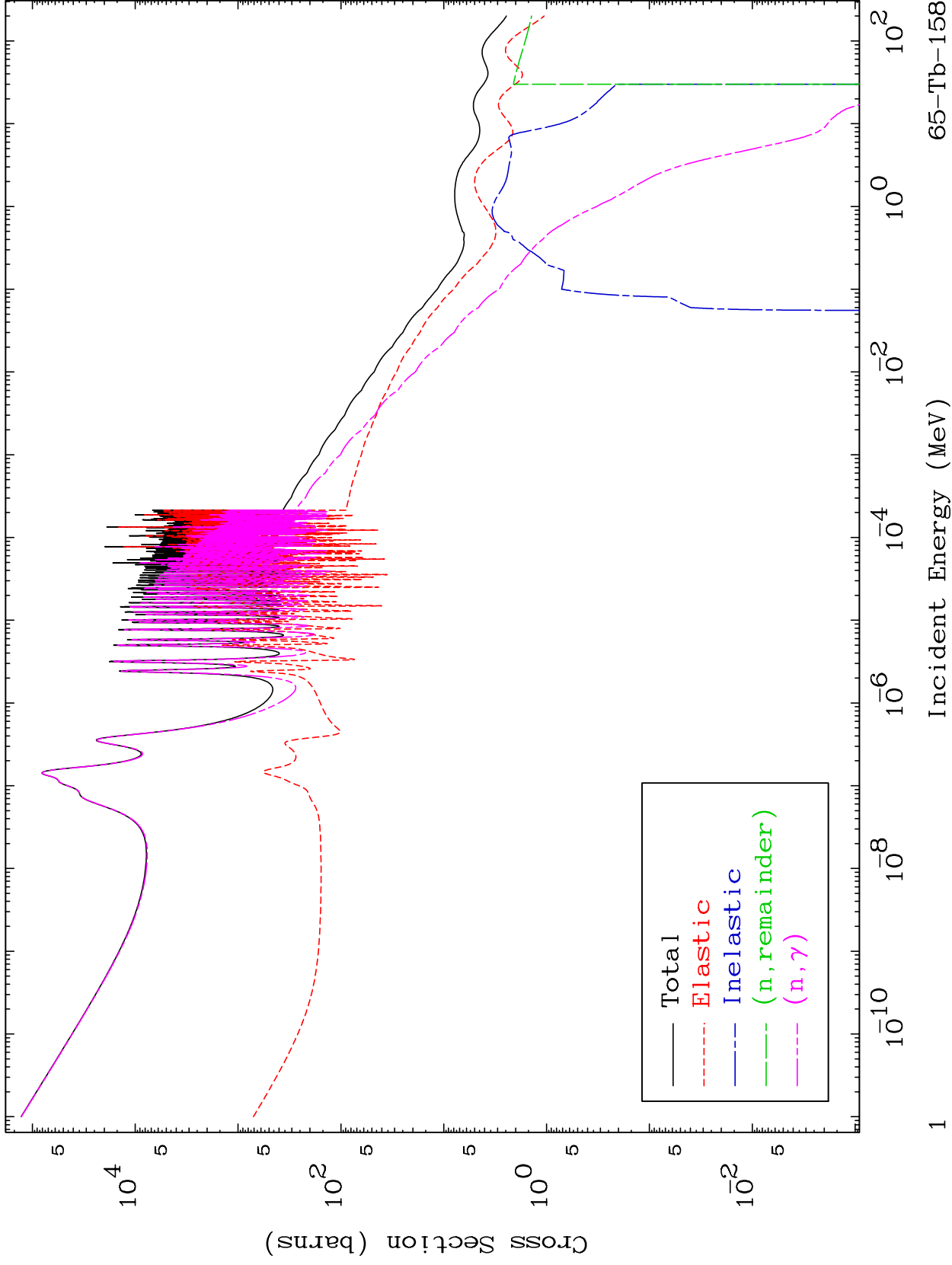
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 65222

Major
293 Kelvin Cross Sections

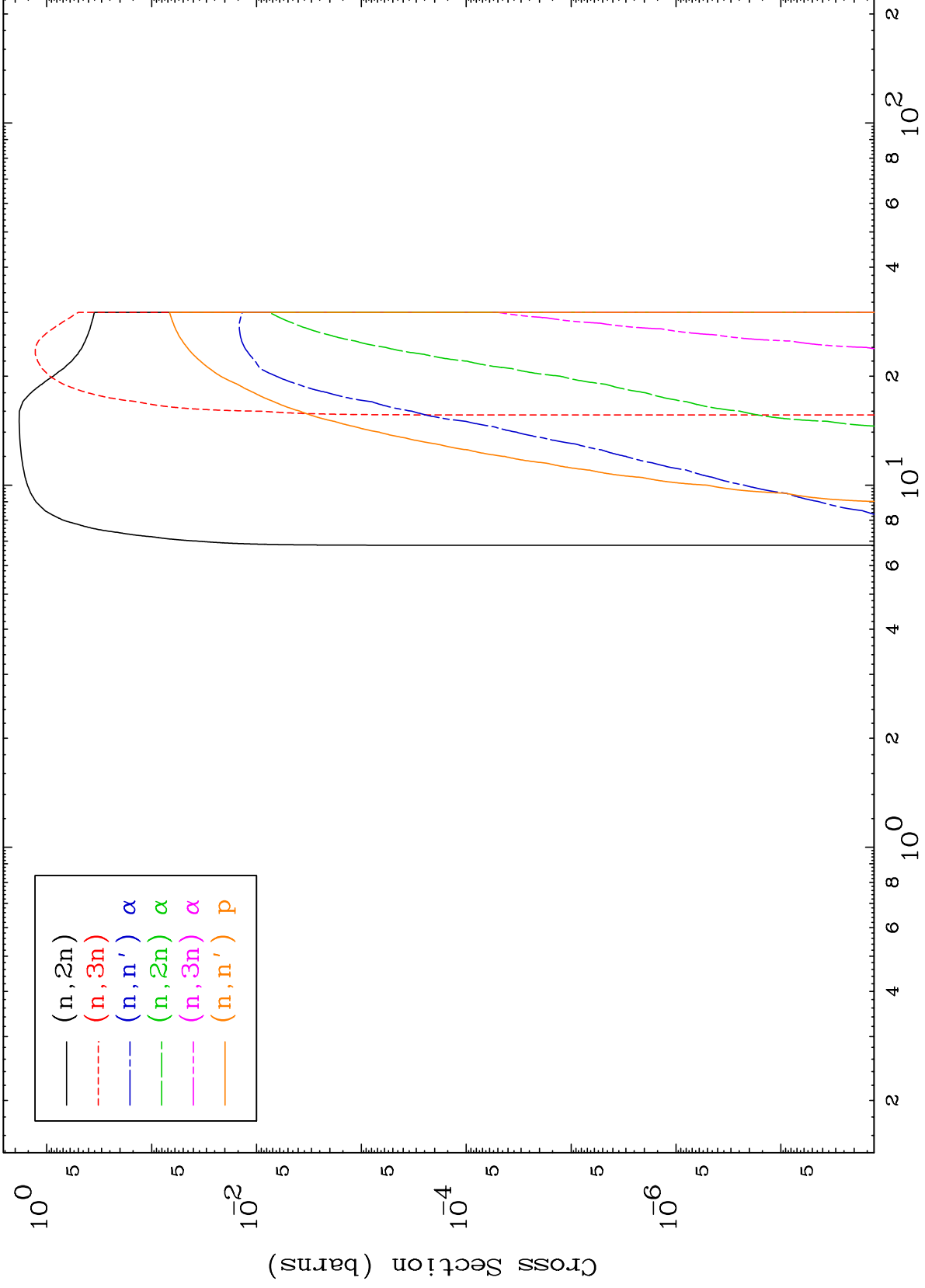
65-Tb-158



MAT 65222

Neutron Production
293 Kelvin Cross Sections

65-Tb-158



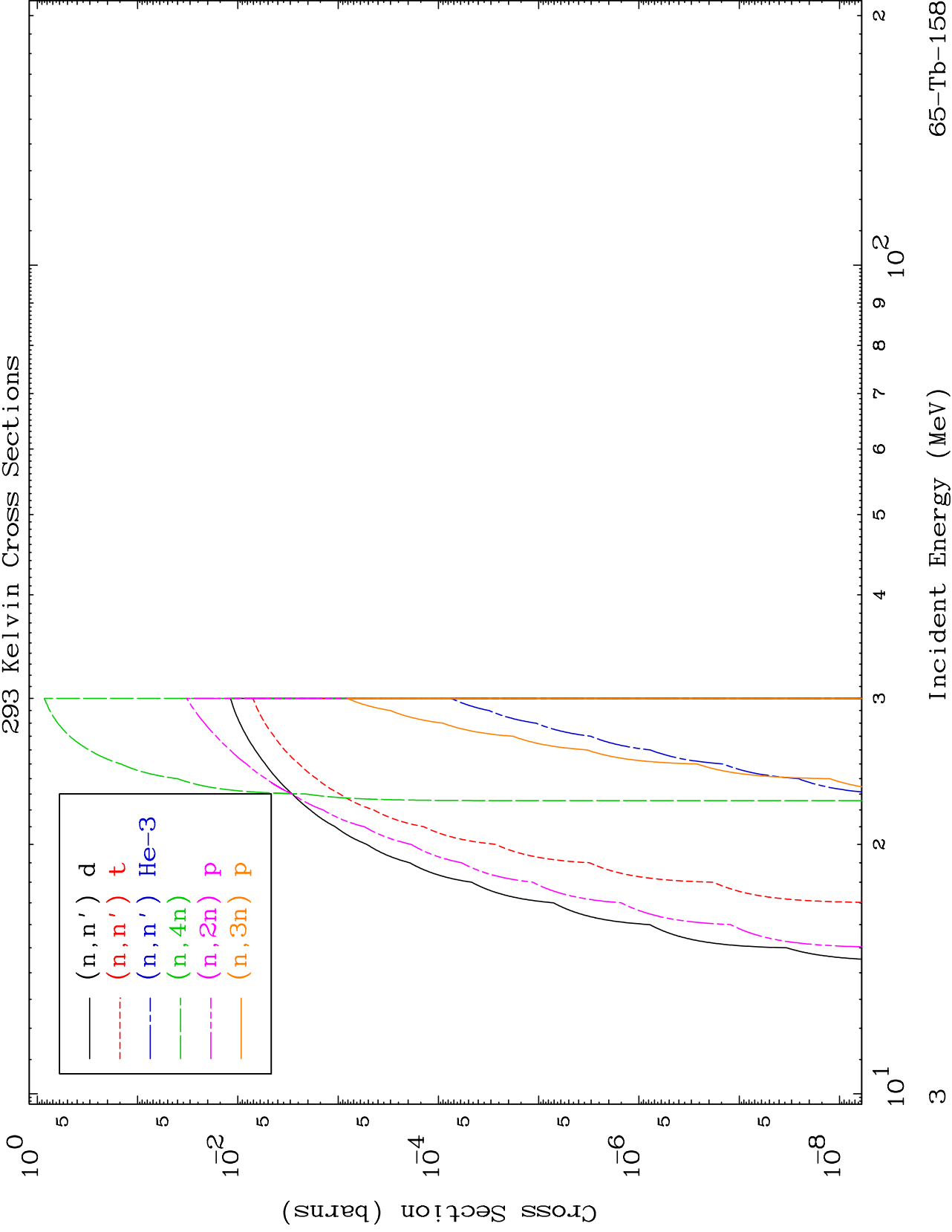
Incident Energy (MeV)

65-Tb-158

MAT 6522

Neutron Production
293 Kelvin Cross Sections

65-Tb-158



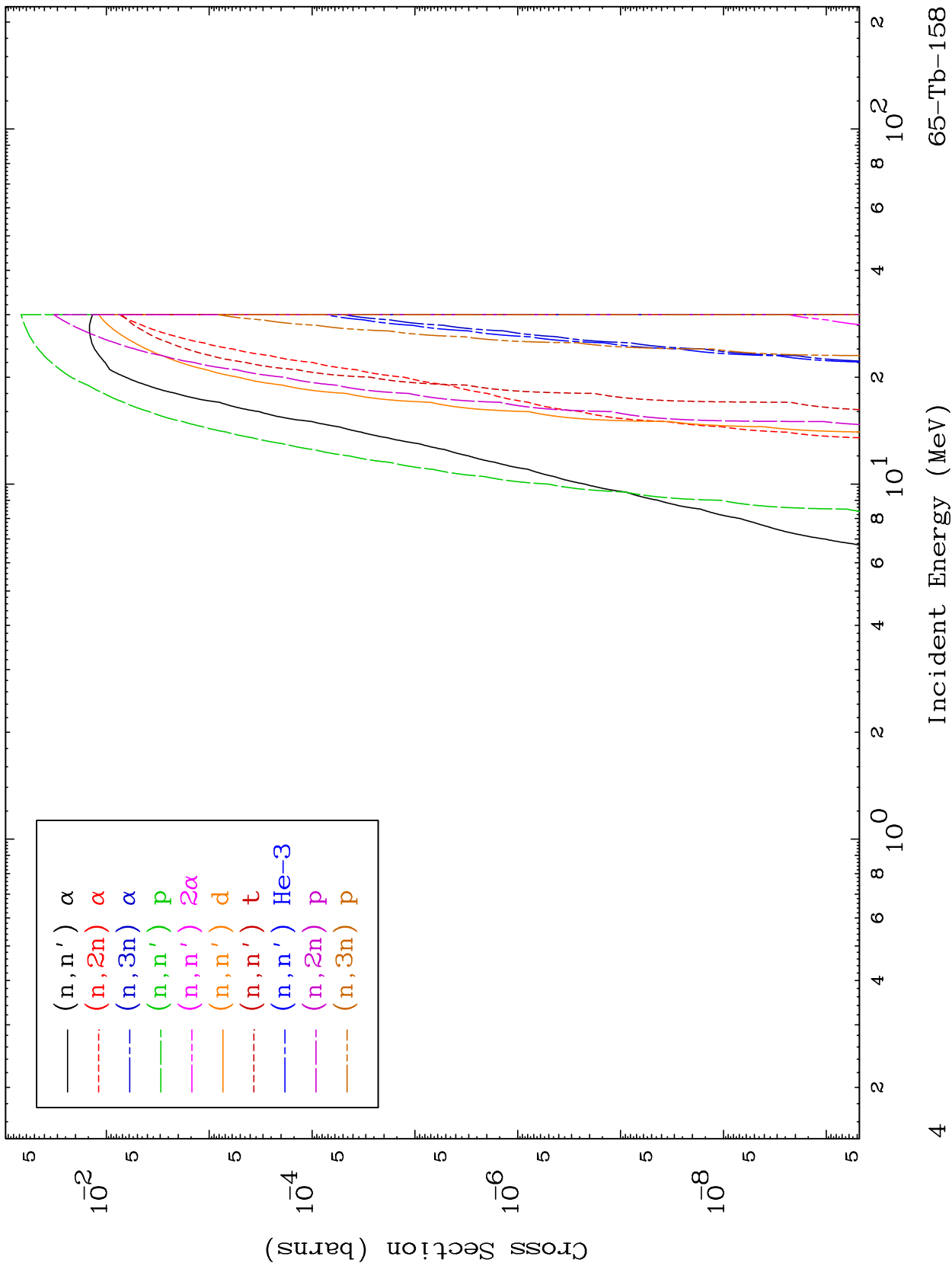
65-Tb-158

Incident Energy (MeV)

MAT 6522

Charged Particle
293 Kelvin Cross Sections

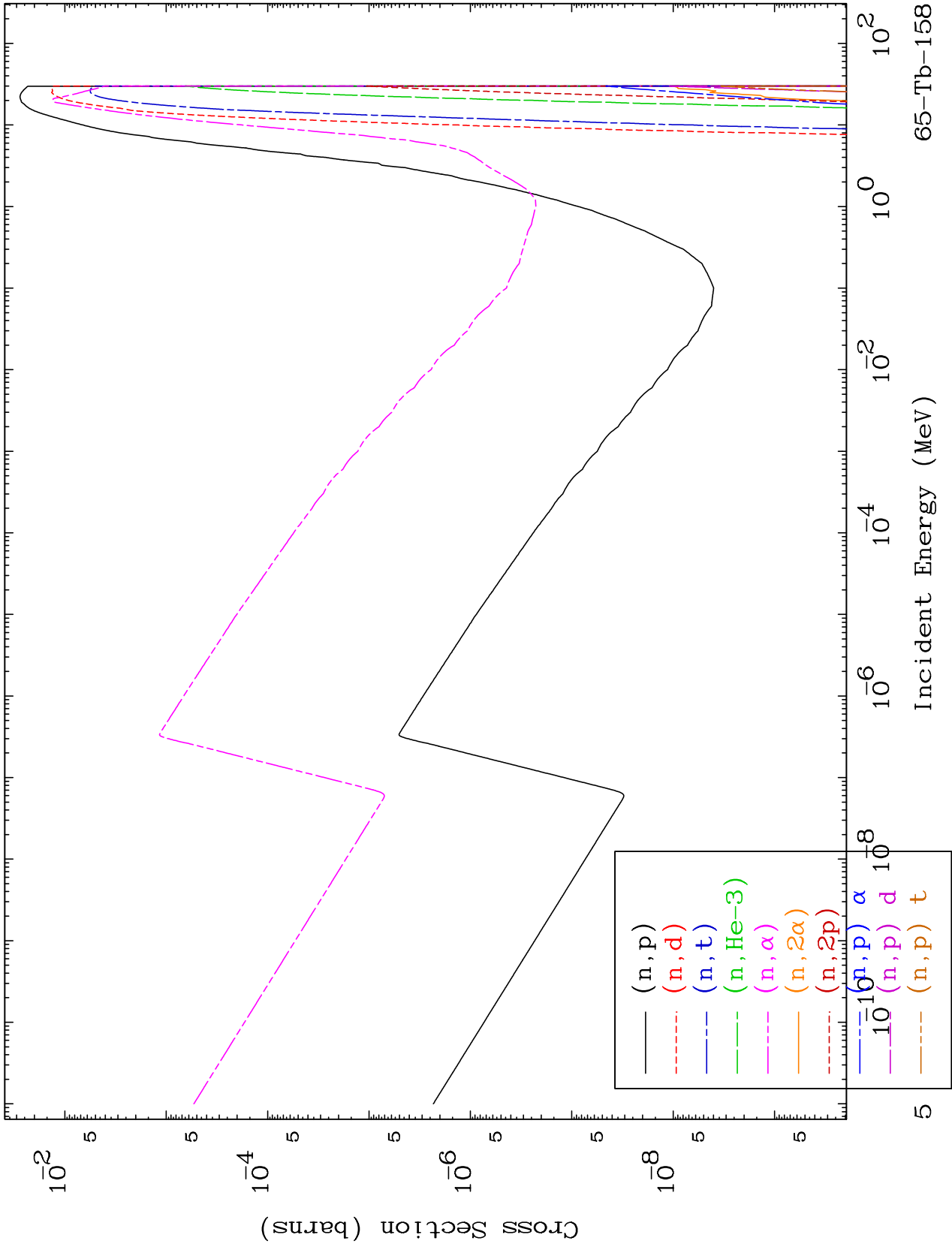
65-Tb-158



MAT 6522

Charged Particle
293 Kelvin Cross Sections

65-Tb-158

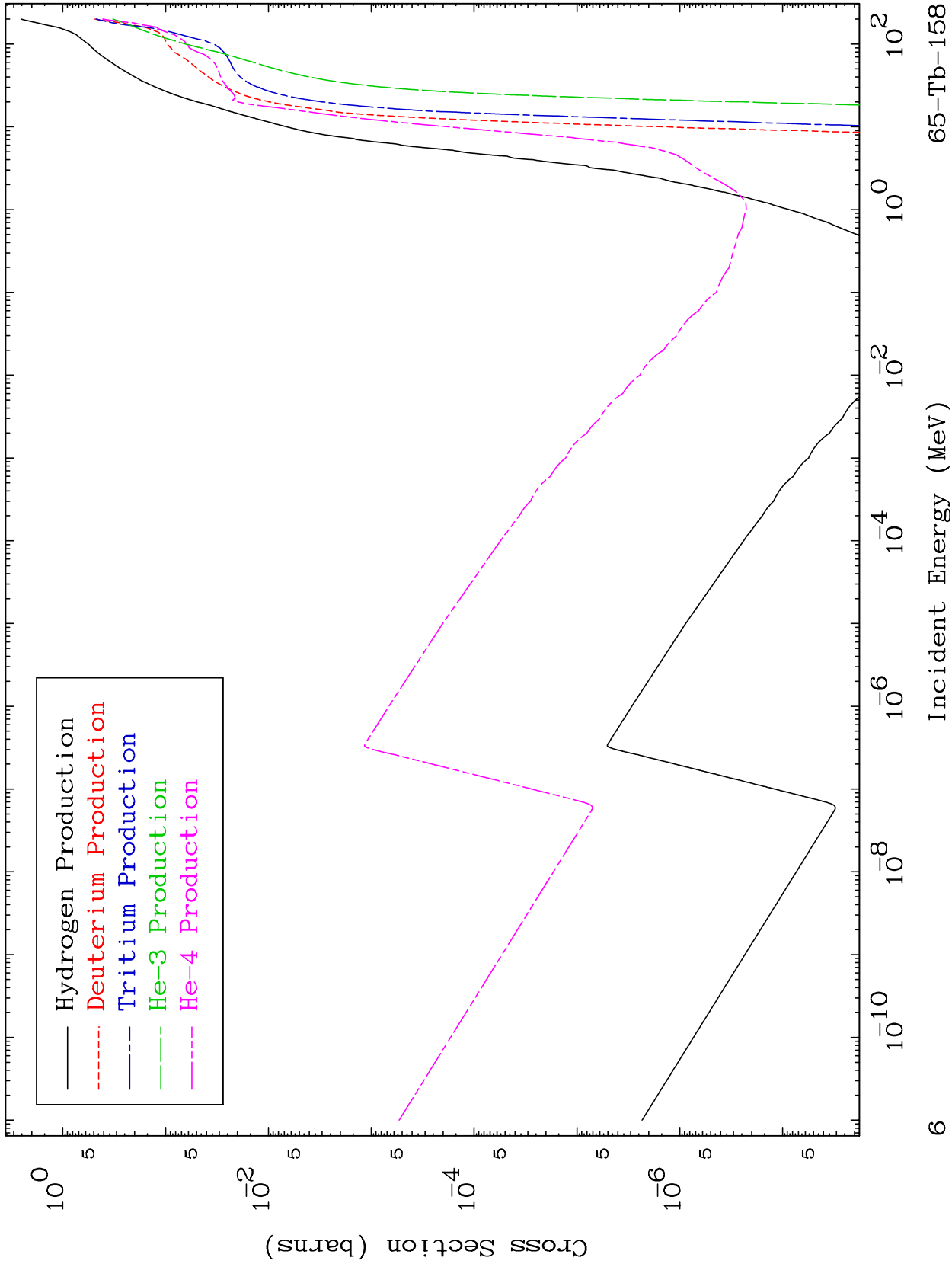


65-Tb-158

MAT 6522

Particle Production
293 Kelvin Cross Sections

65-Tb-158

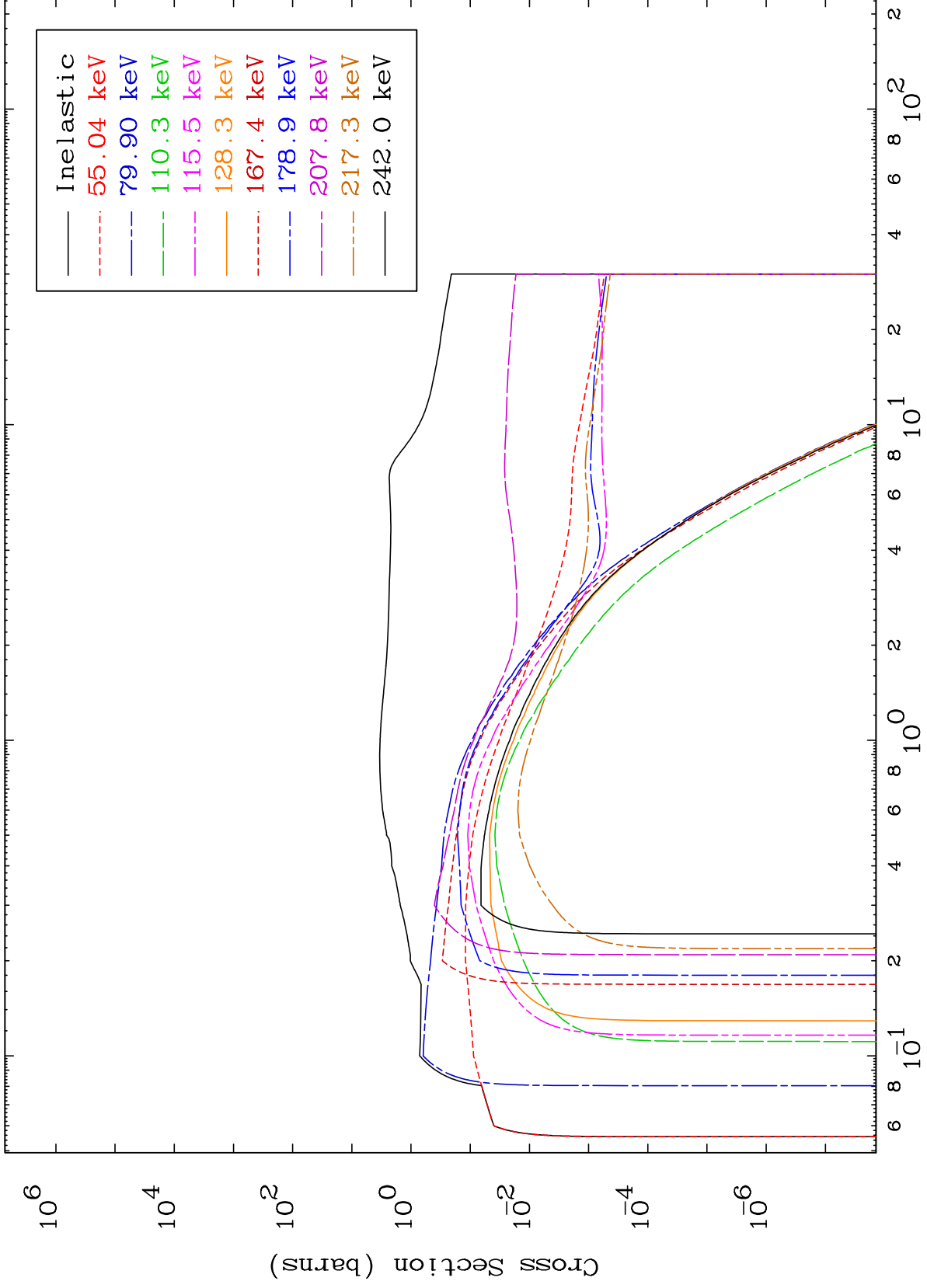


Legend:
— Hydrogen Production
- - - Deuterium Production
- . - Tritium Production
- - - He-3 Production
- . - He-4 Production

MAT 6522

(n,n') Level
293 Kelvin Cross Sections

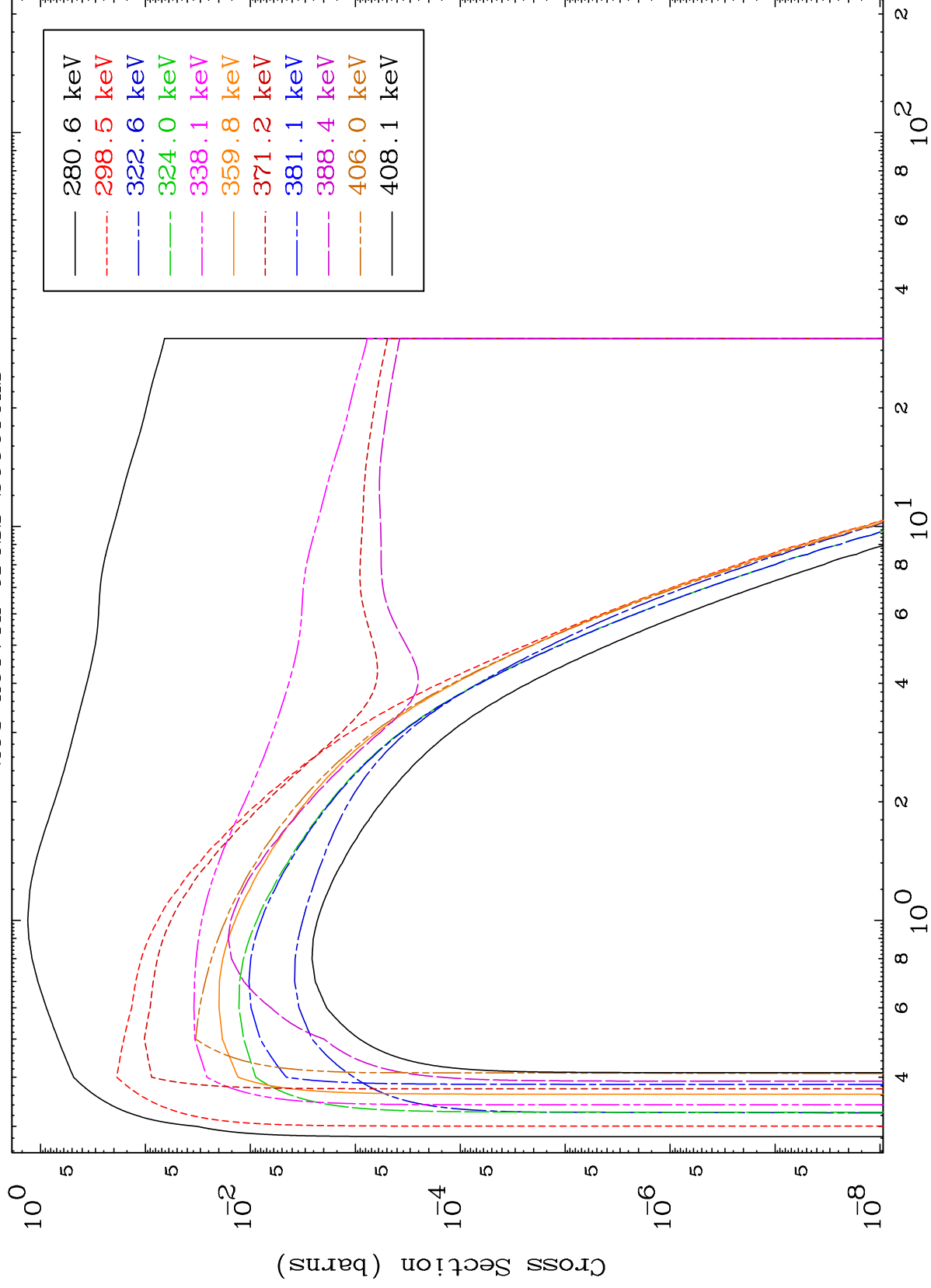
65-Tb-158



MAT 65222

(n,n') Level
293 Kelvin Cross Sections

65-Tb-158



8

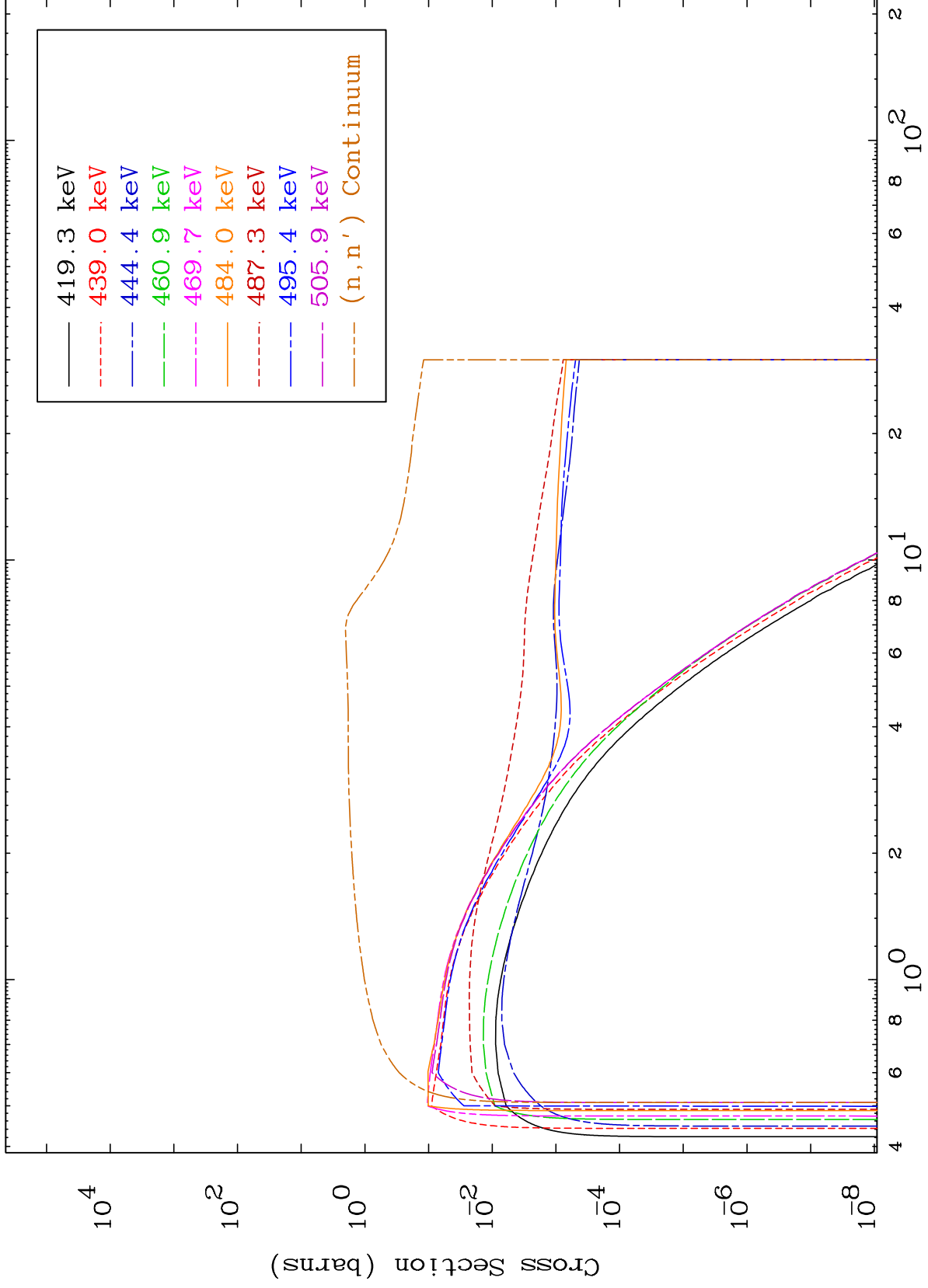
Incident Energy (MeV)

65-Tb-158

MAT 6522

(n,n') Level
293 Kelvin Cross Sections

65-Tb-158



9

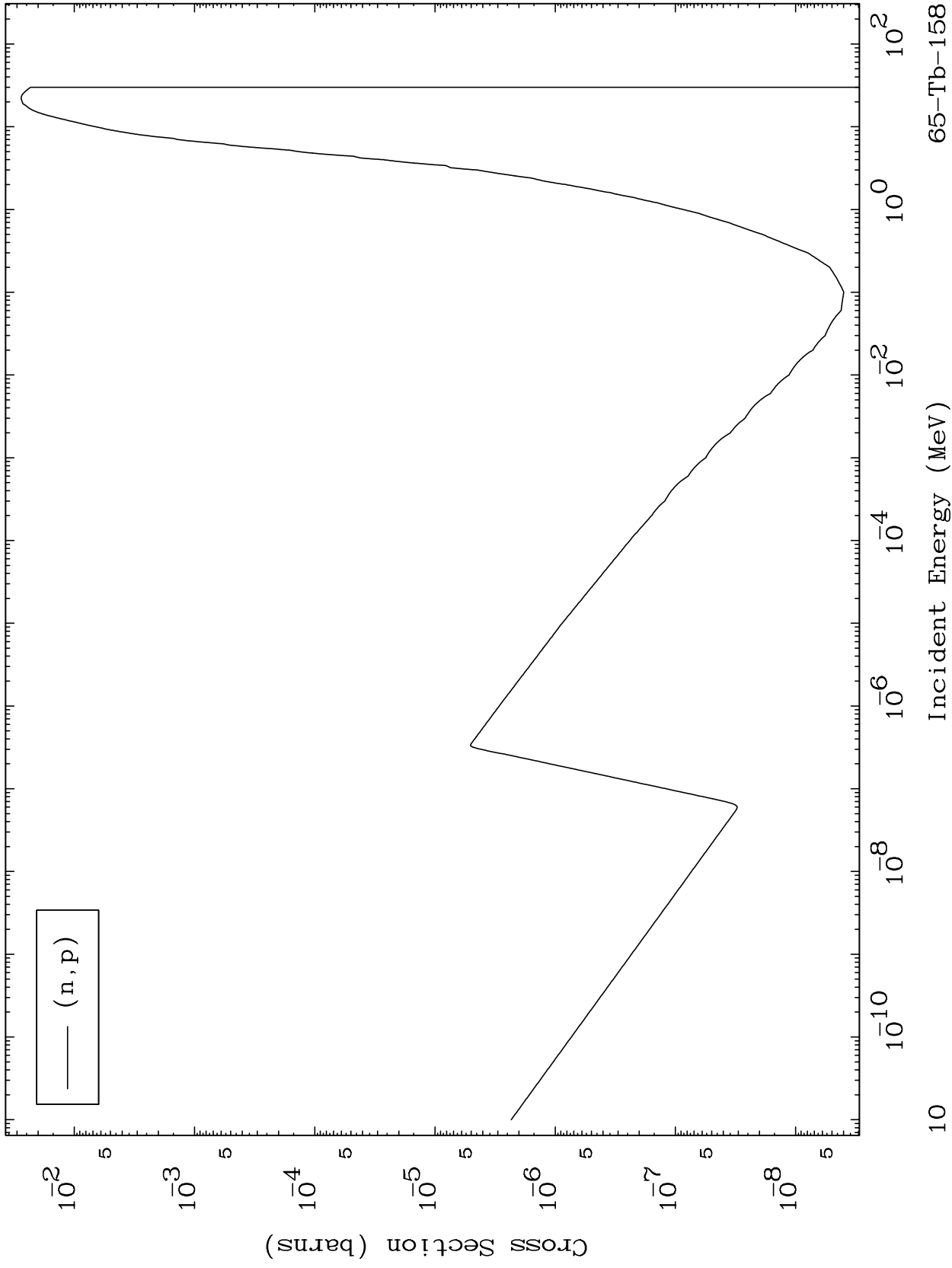
Incident Energy (MeV)

65-Tb-158

MAT 65222

(n,p) Levels
293 Kelvin Cross Sections

65-Tb-158



10

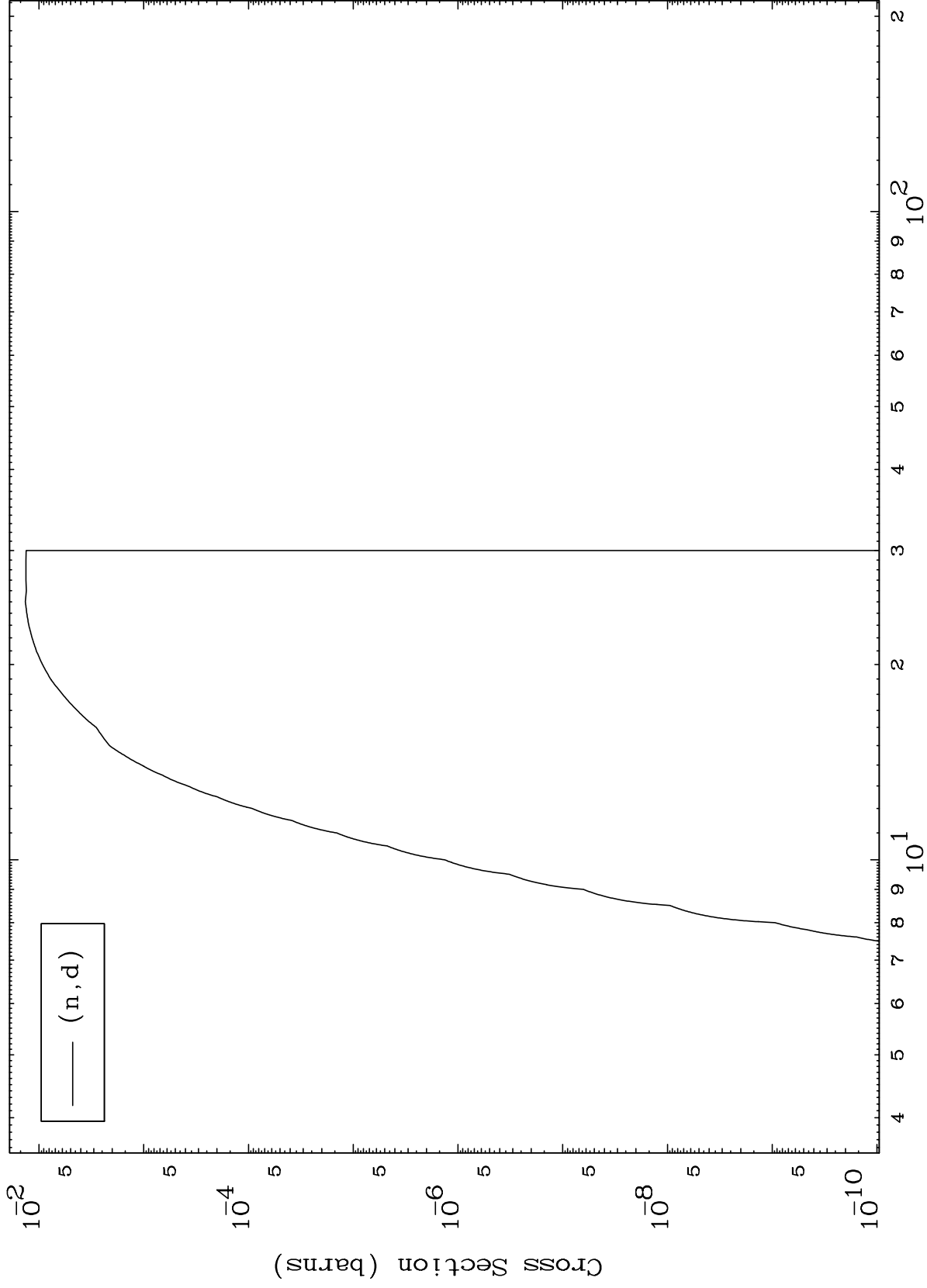
Incident Energy (MeV)

65-Tb-158

MAT 6522

(n,d) Levels
293 Kelvin Cross Sections

65-Tb-158



11

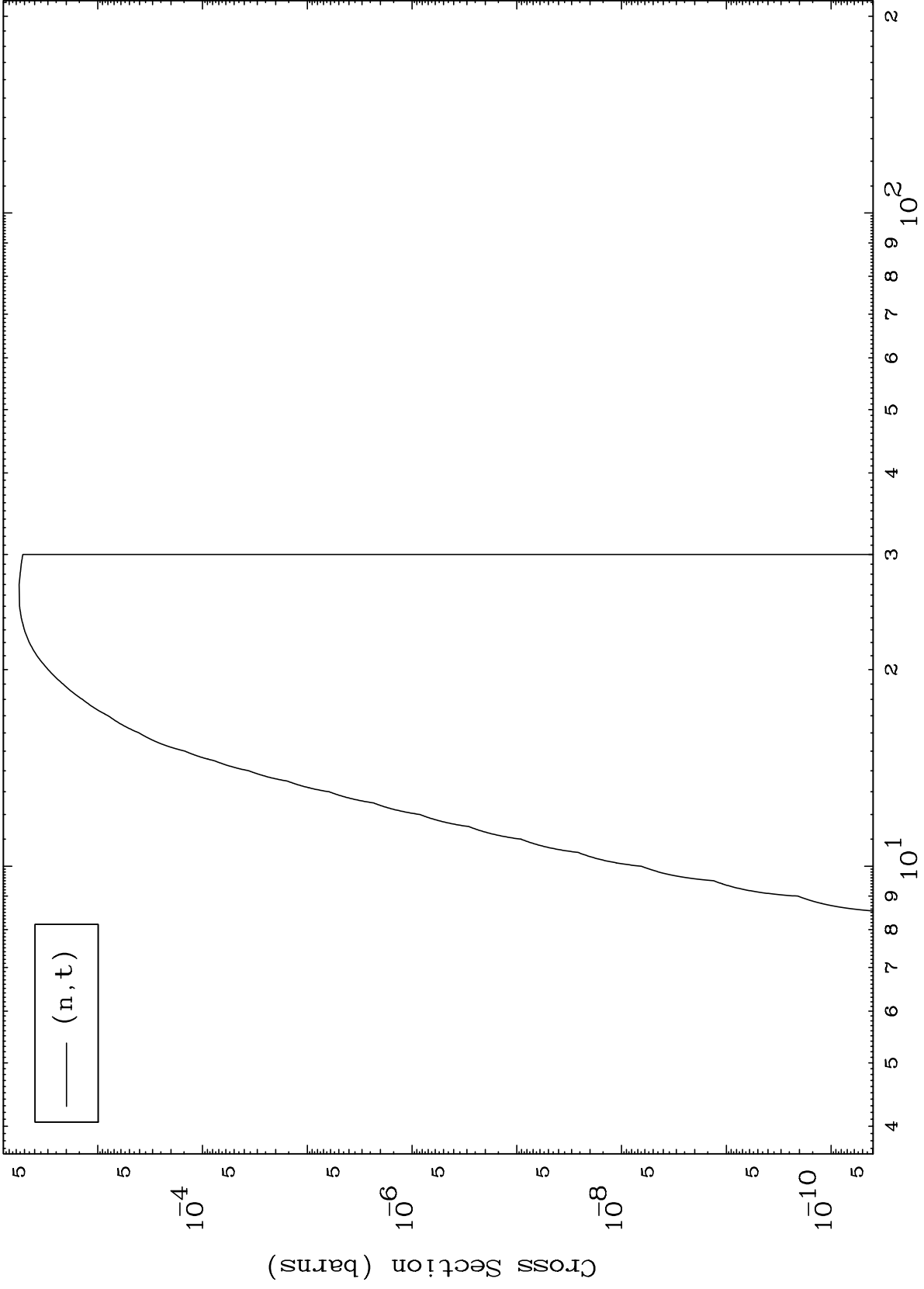
Incident Energy (MeV)

65-Tb-158

MAT 65222

(n,t) Levels
293 Kelvin Cross Sections

65-Tb-158



(n,t)

12

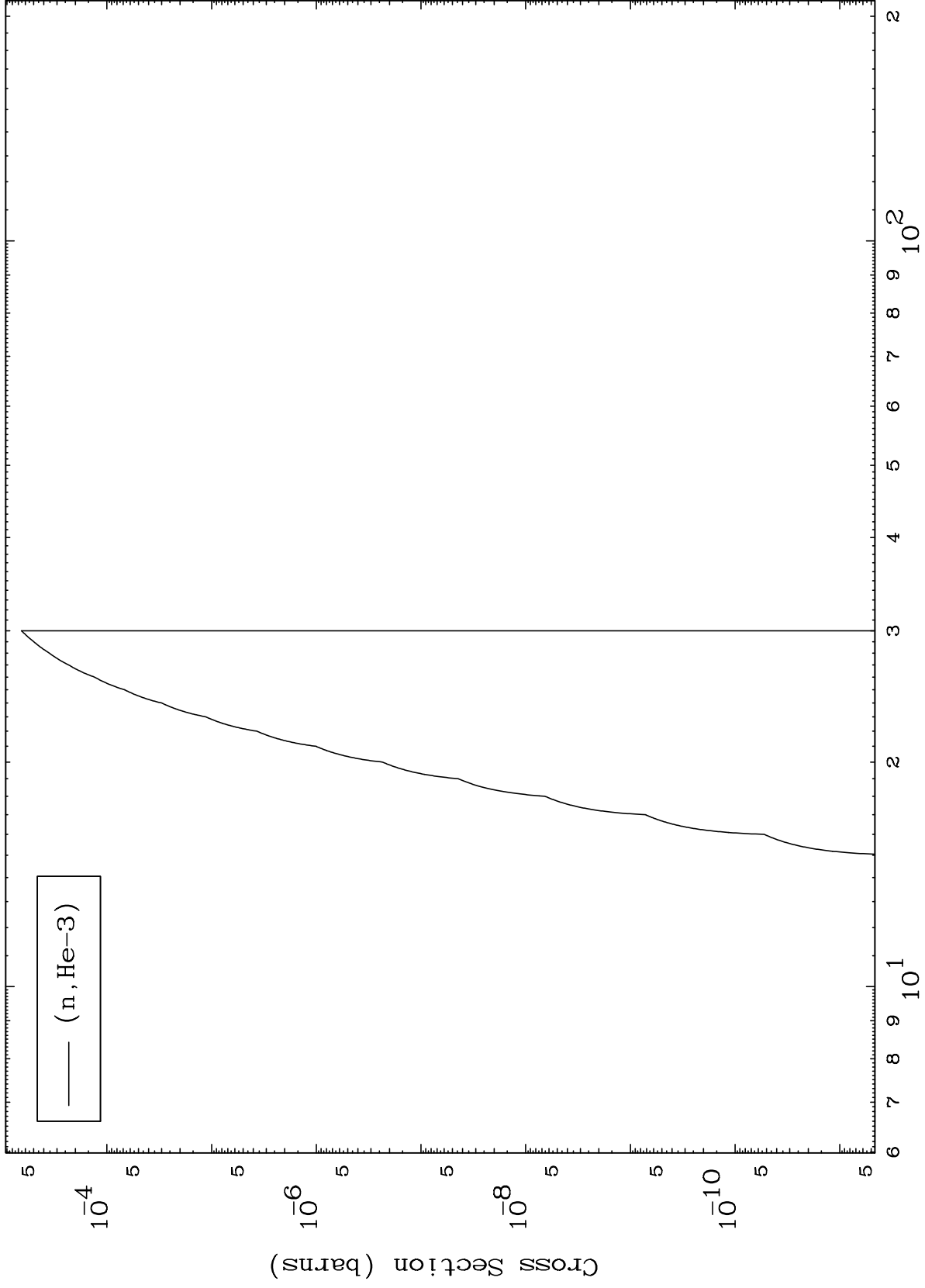
Incident Energy (MeV)

65-Tb-158

MAT 65222

(n,He3) Levels
293 Kelvin Cross Sections

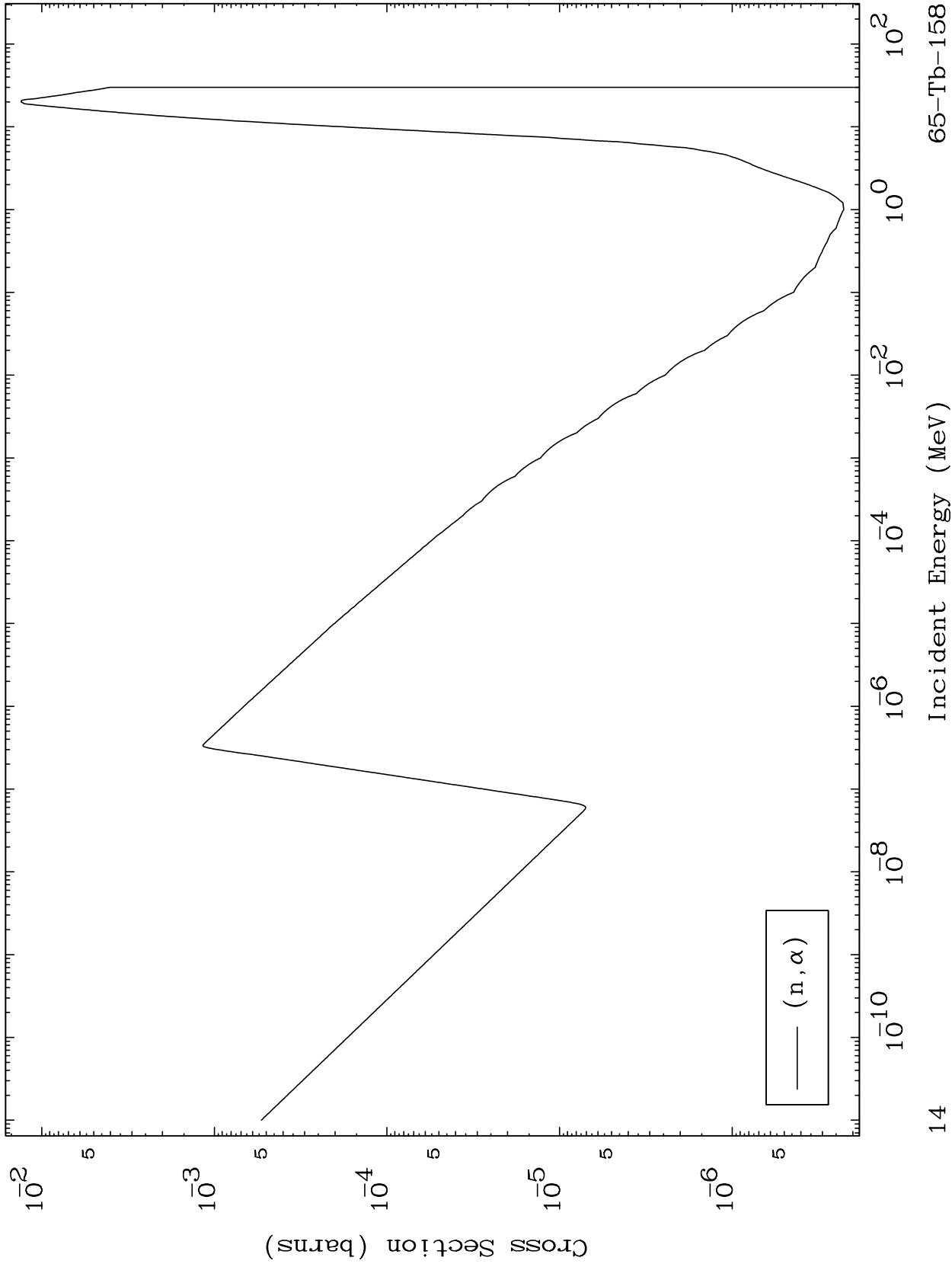
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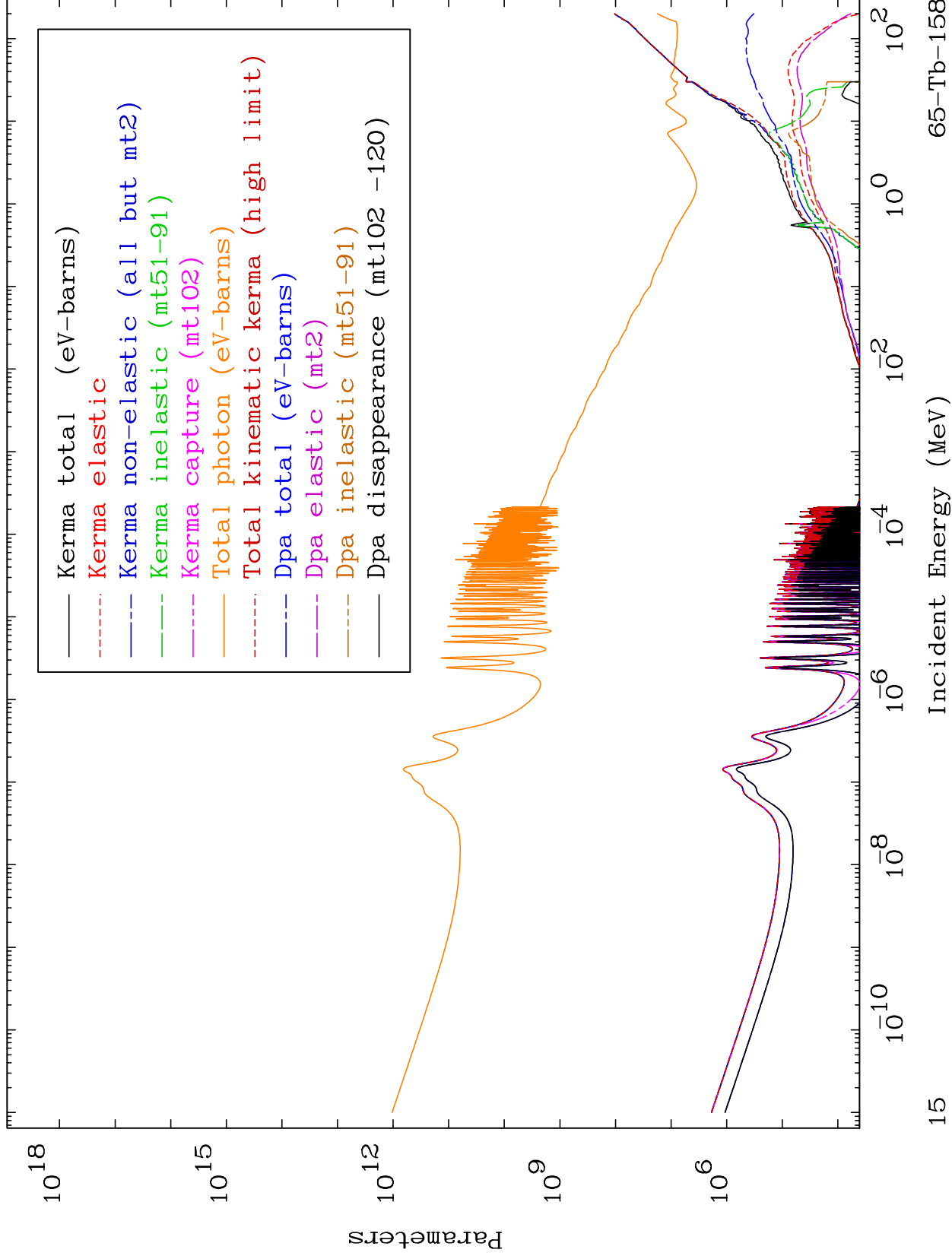


MAT 6522

(n, α) Levels
293 Kelvin Cross Sections

65-Tb-158

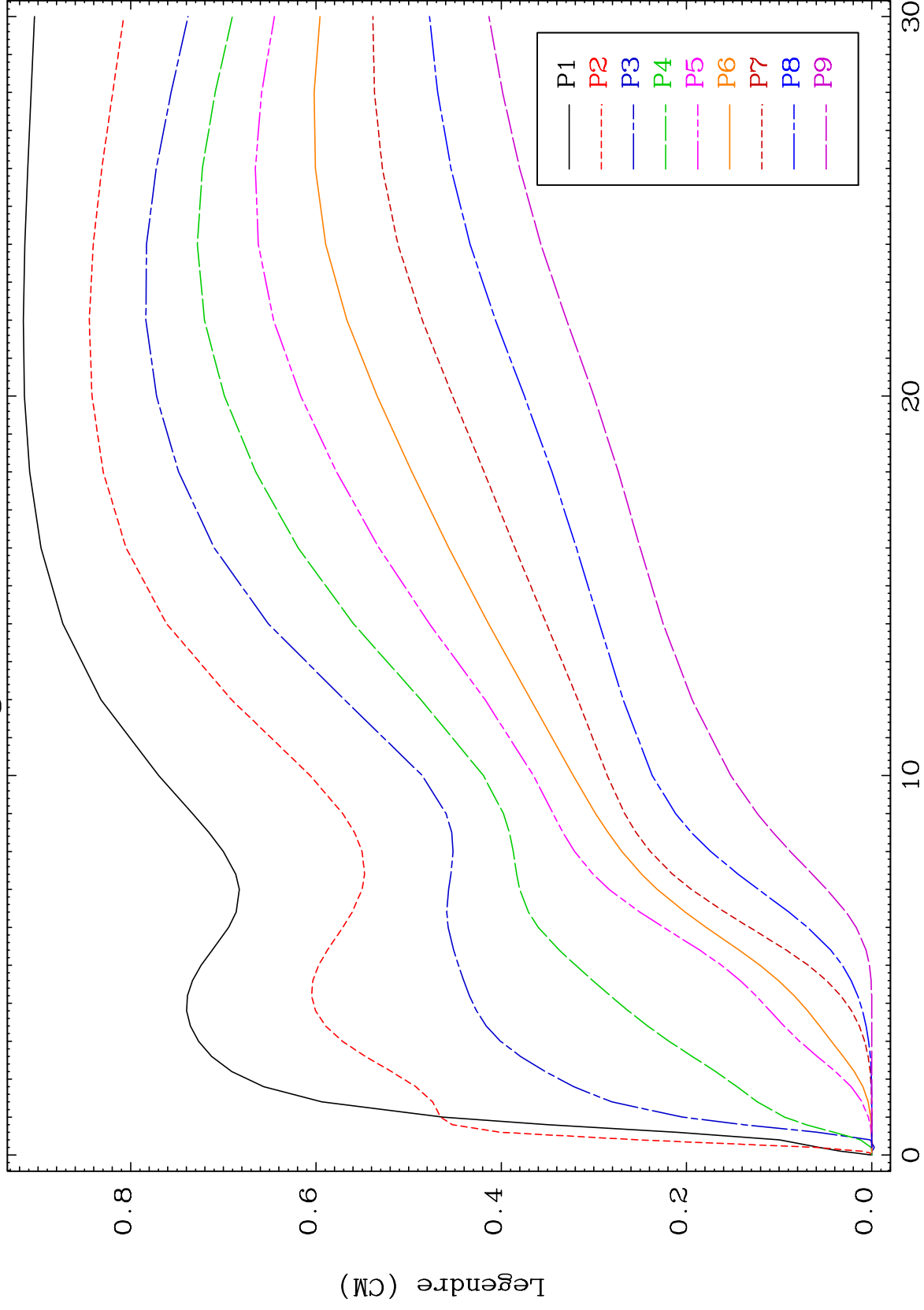




MAT 6522

Elastic Legendre Coefficients

65-Tb-158



16

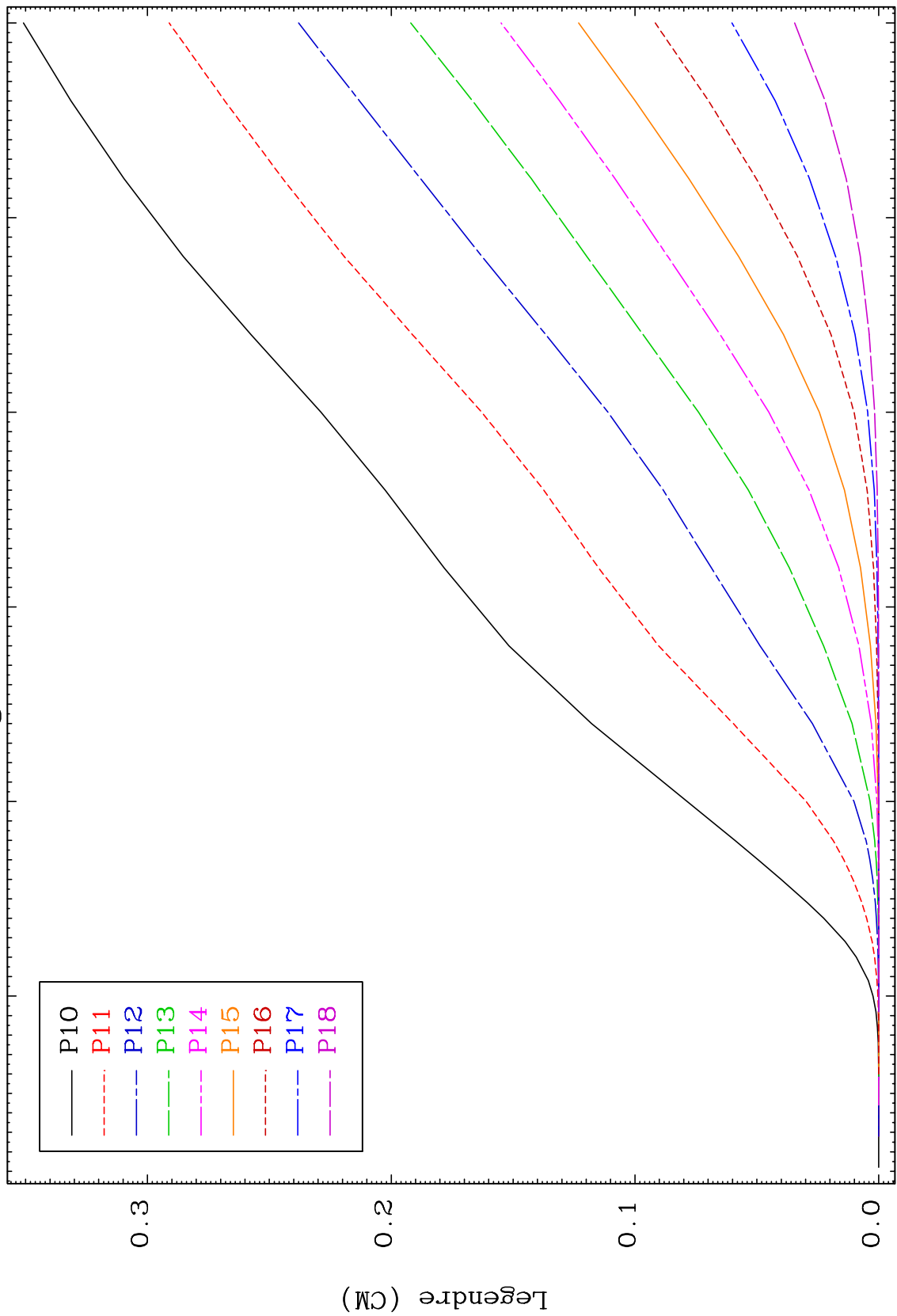
Incident Energy (MeV)

65-Tb-158

MAT 65222

Elastic Legendre Coefficients

65-Tb-158



17

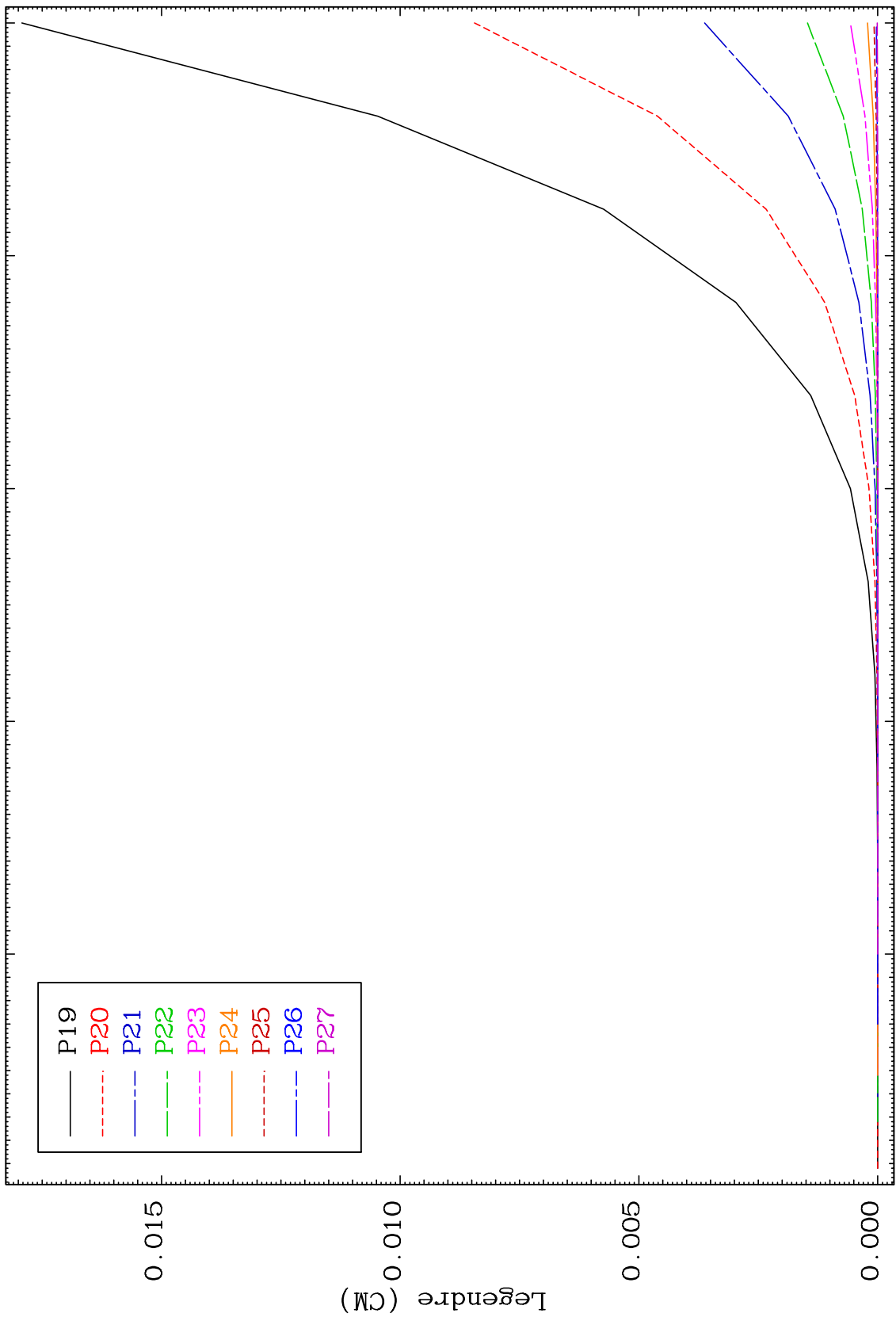
65-Tb-158

Incident Energy (MeV)

MAT 65222

Elastic Legendre Coefficients

65-Tb-158



18

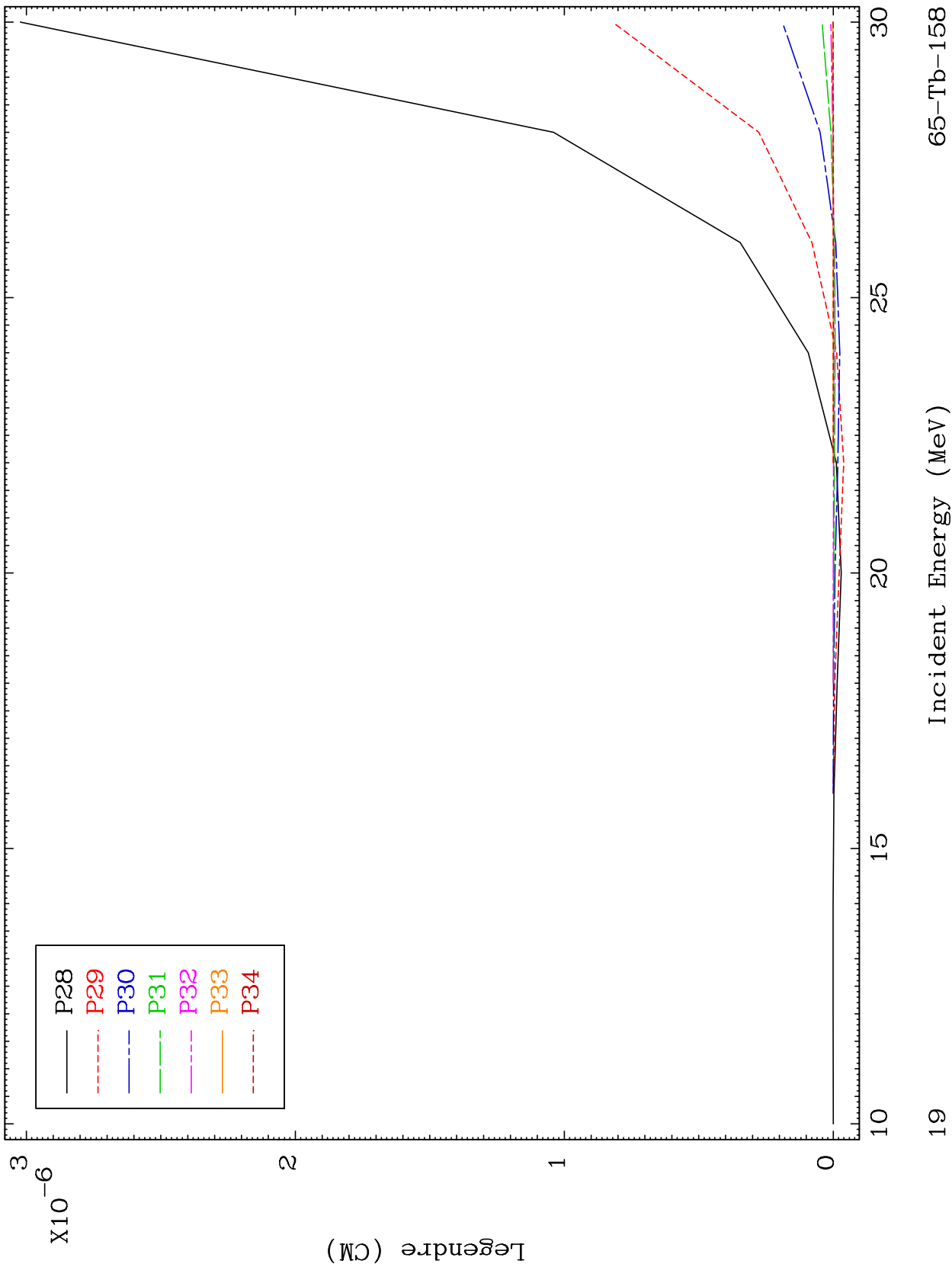
Incident Energy (MeV)

65-Tb-158

MAT 6522

Elastic
Legendre Coefficients

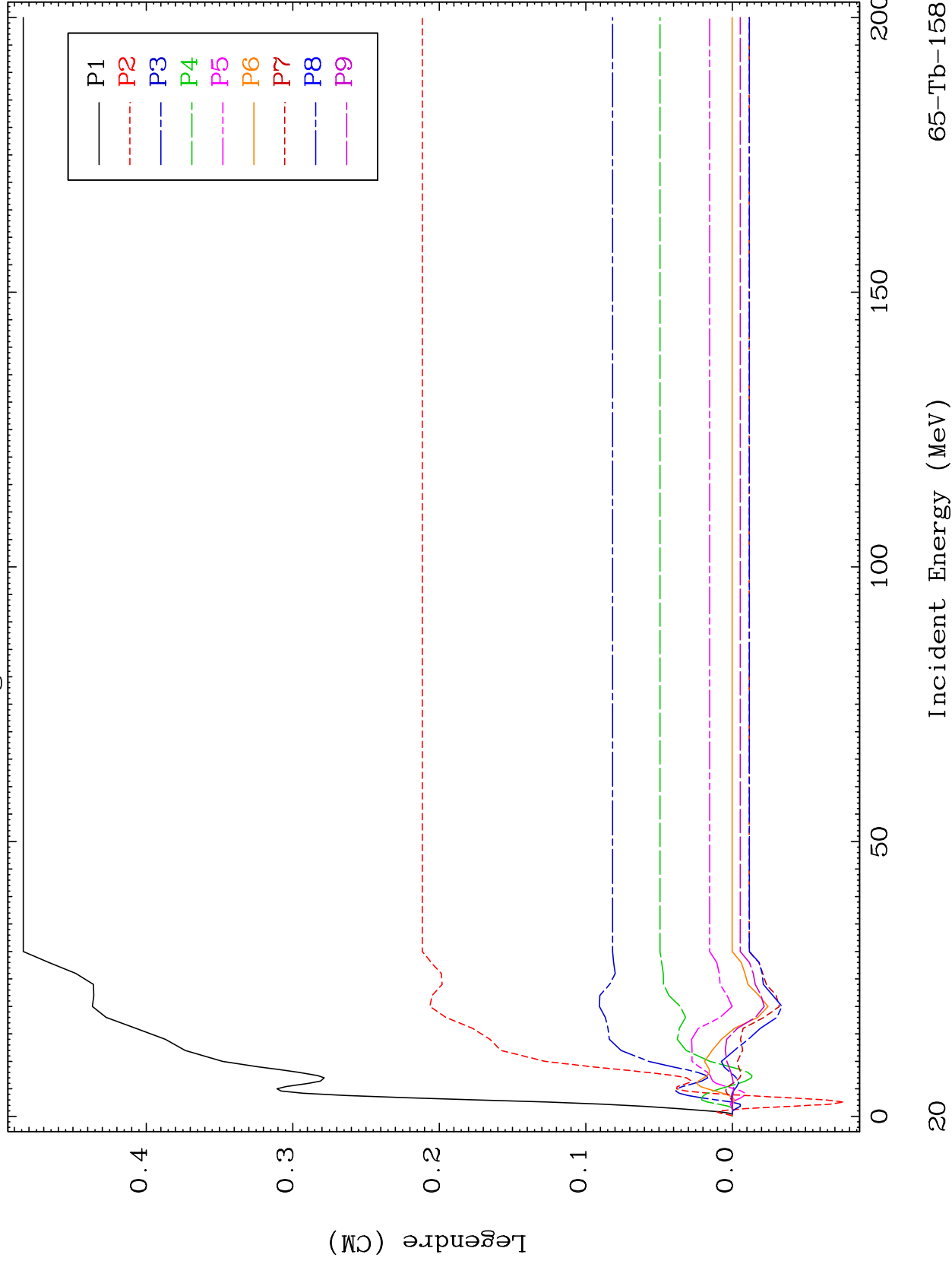
65-Tb-158



MAT 6522

55.04 keV (n,n') Level
Legendre Coefficients

65-Tb-158



65-Tb-158

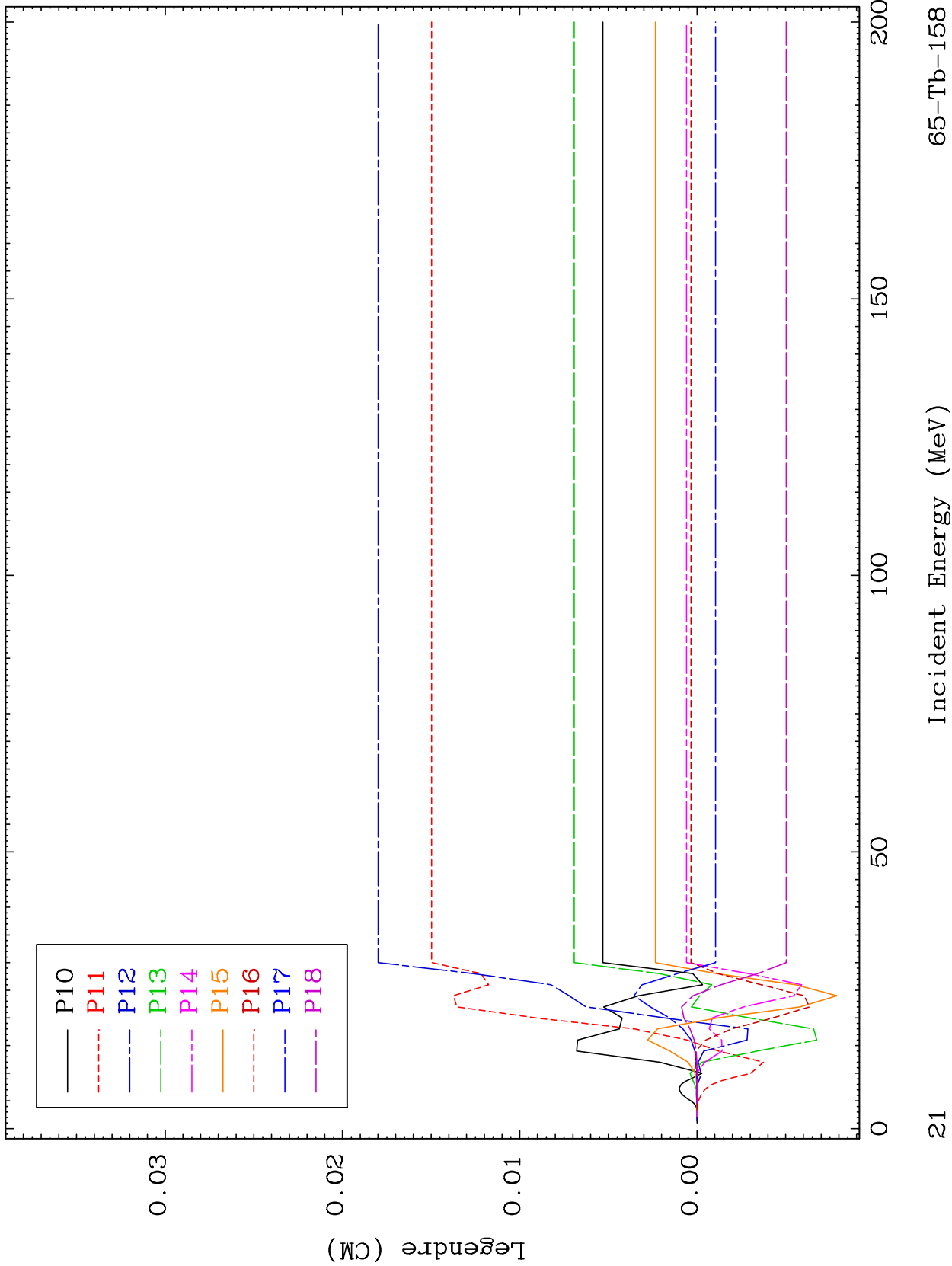
Incident Energy (MeV)

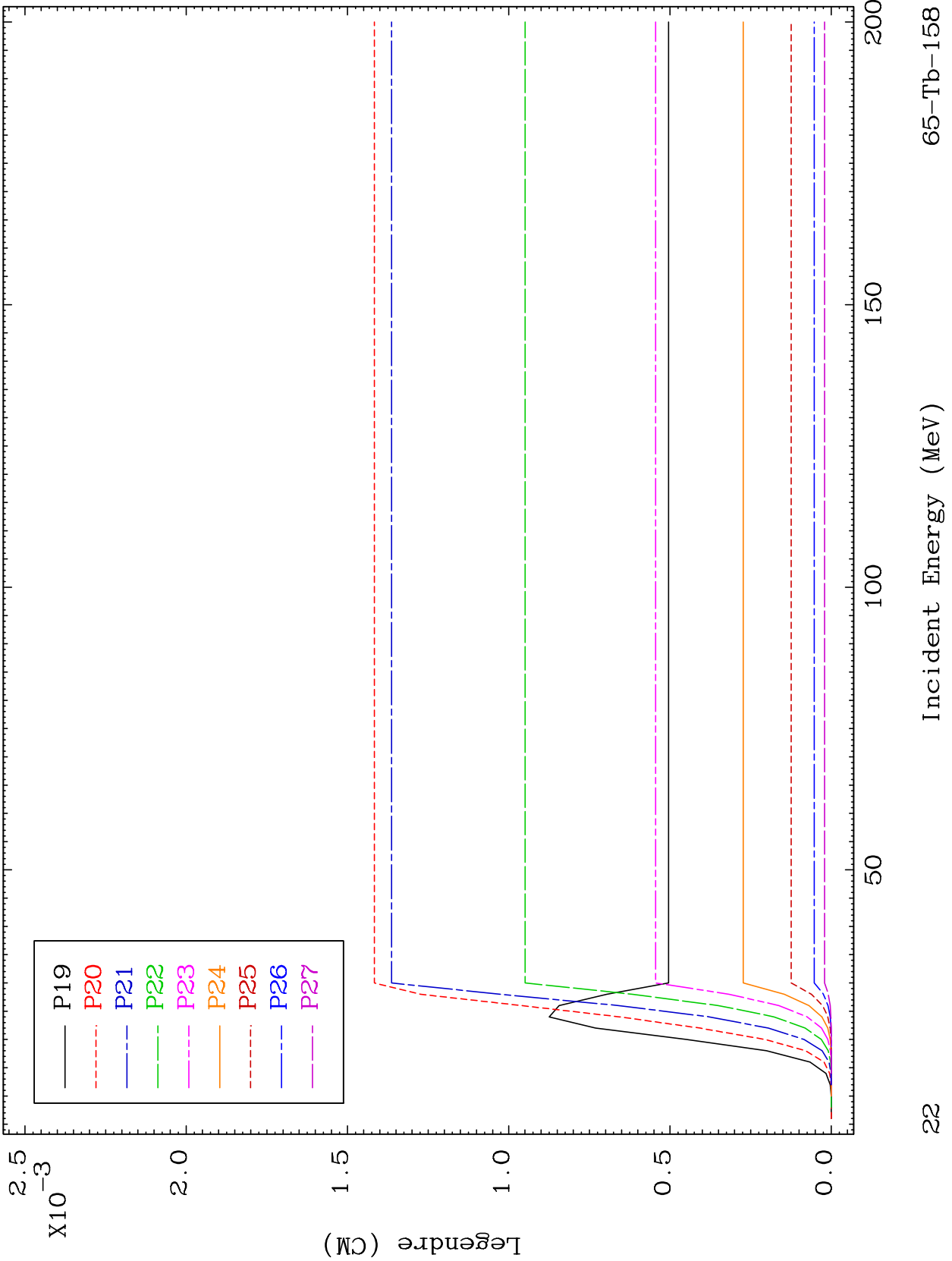
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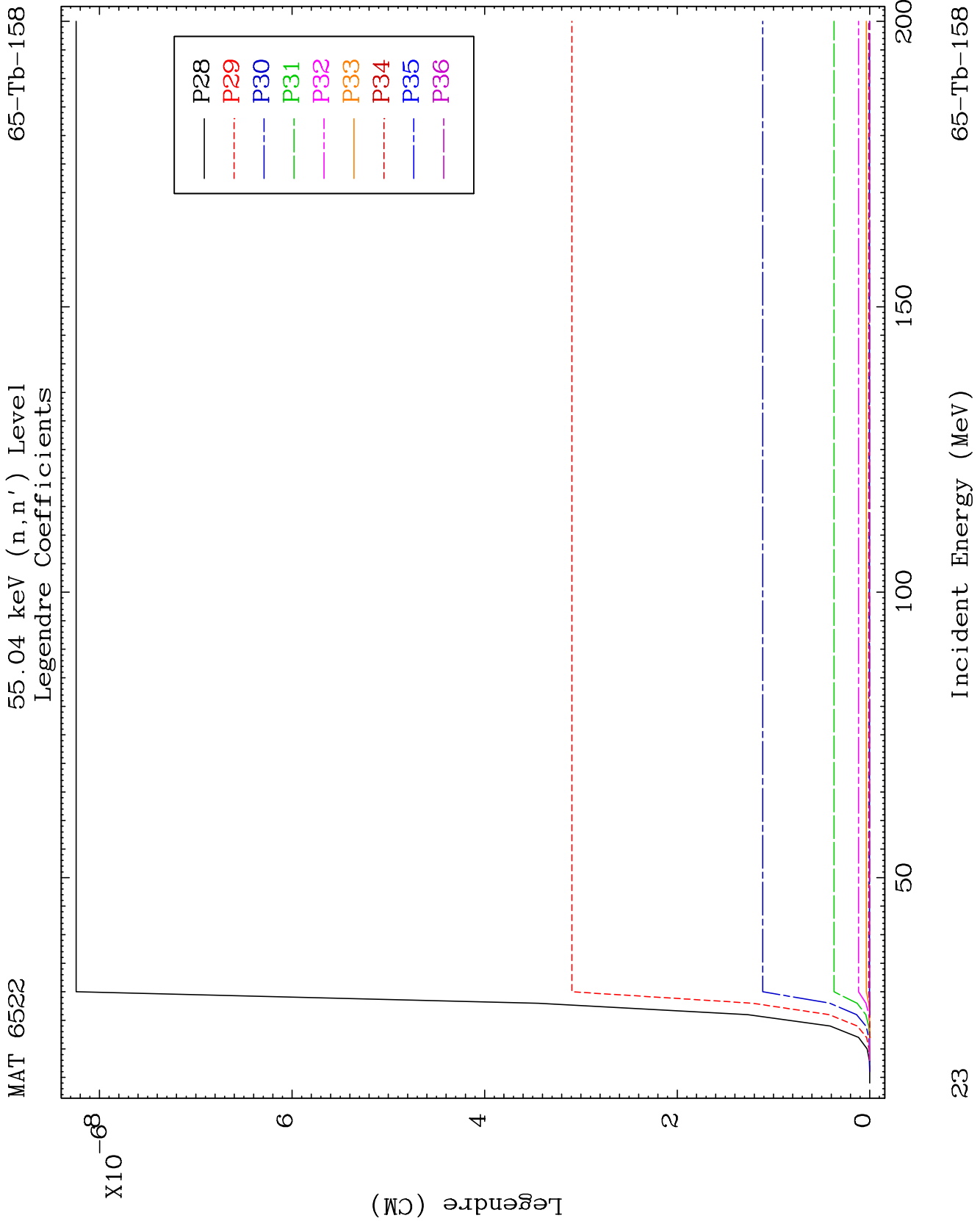
MAT 6522

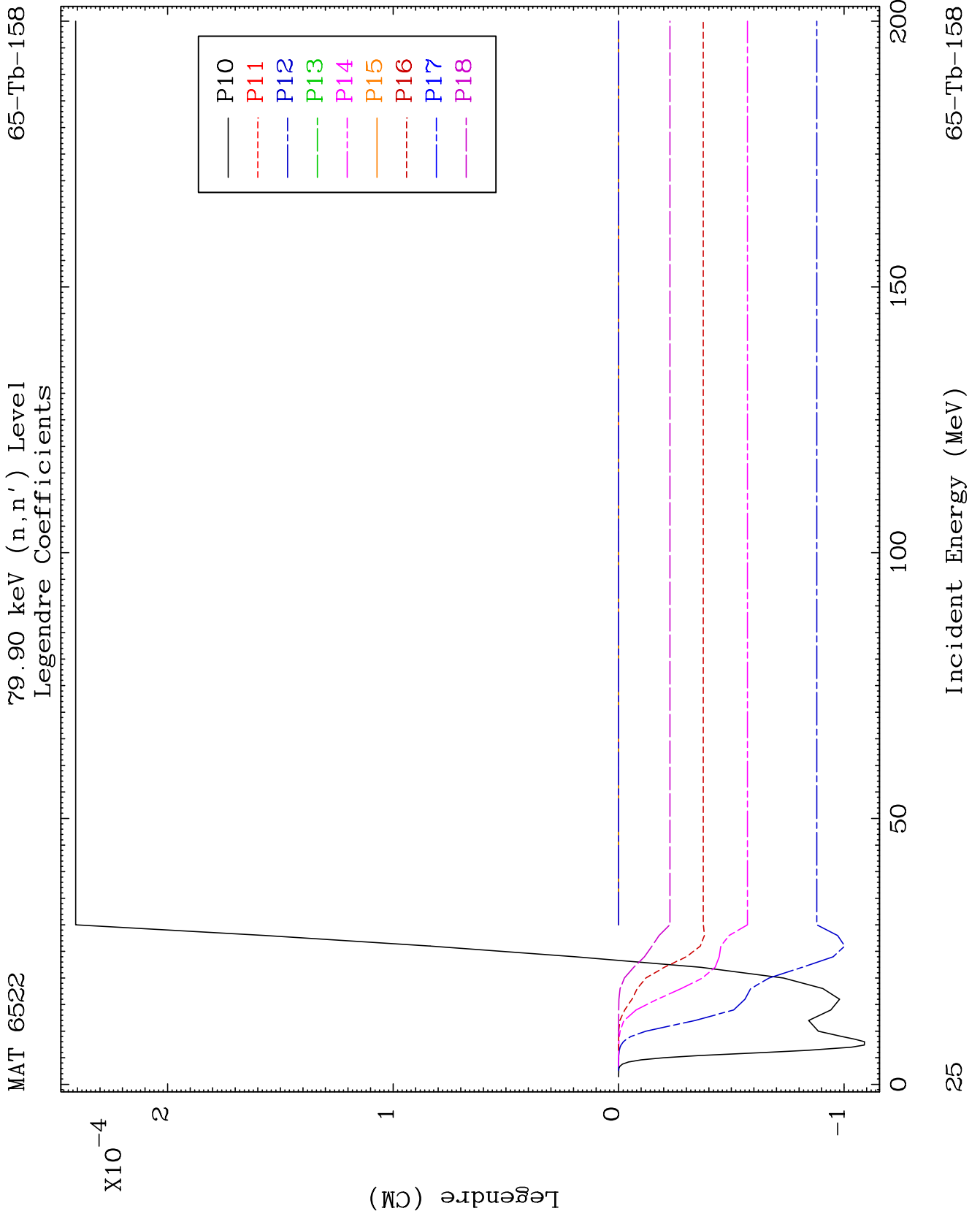
55.04 keV (n,n') Level
Legendre Coefficients

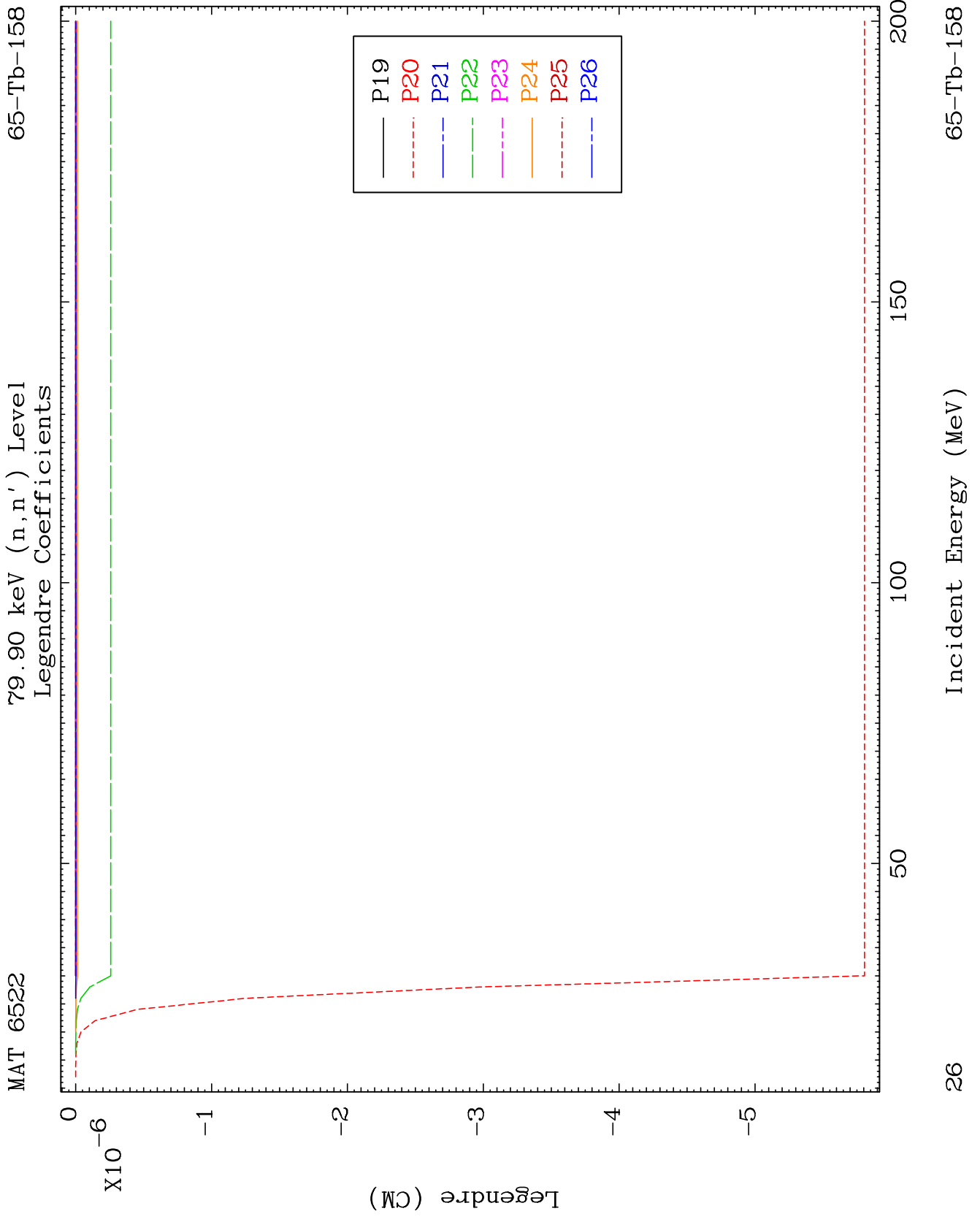
65-Tb-158

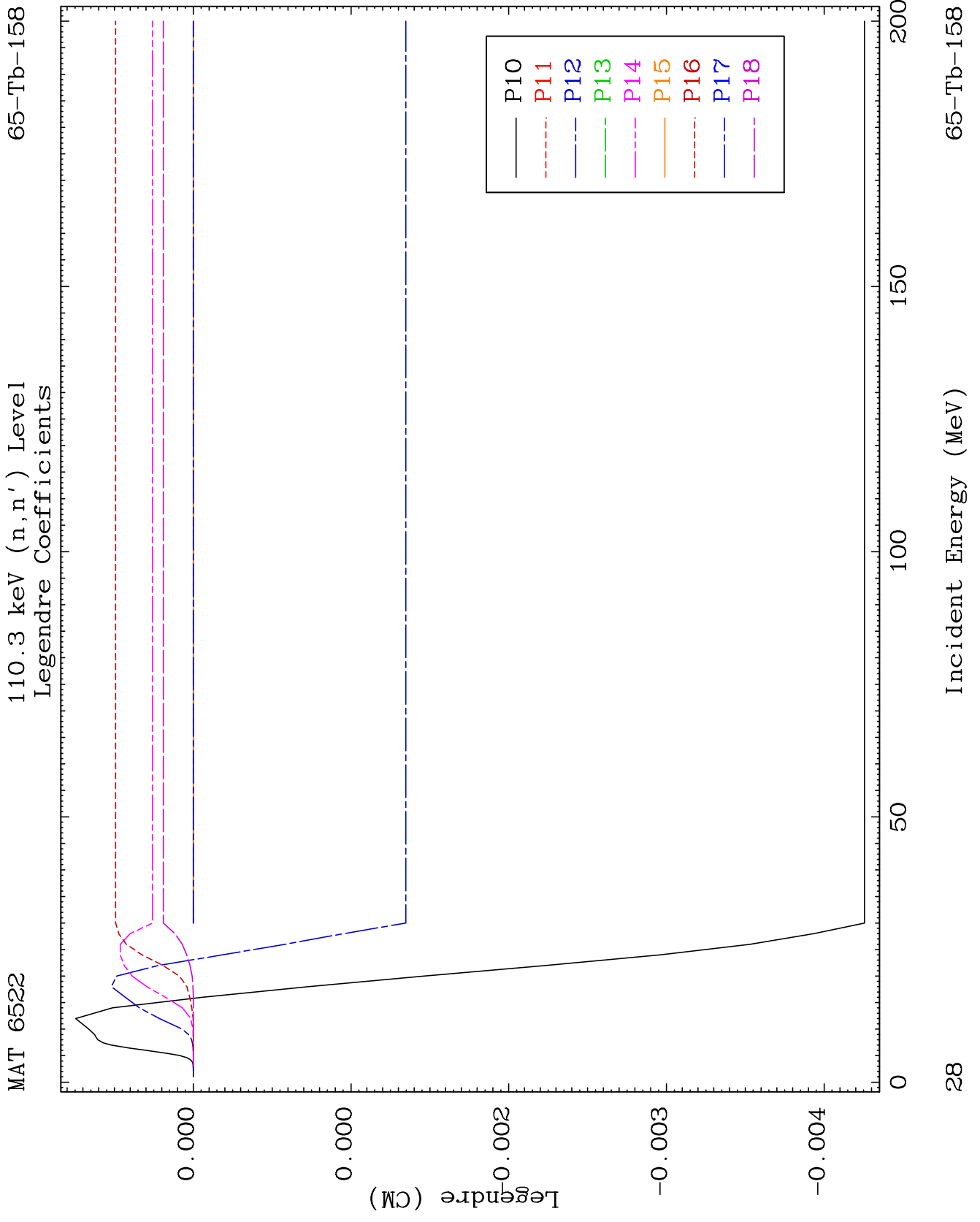


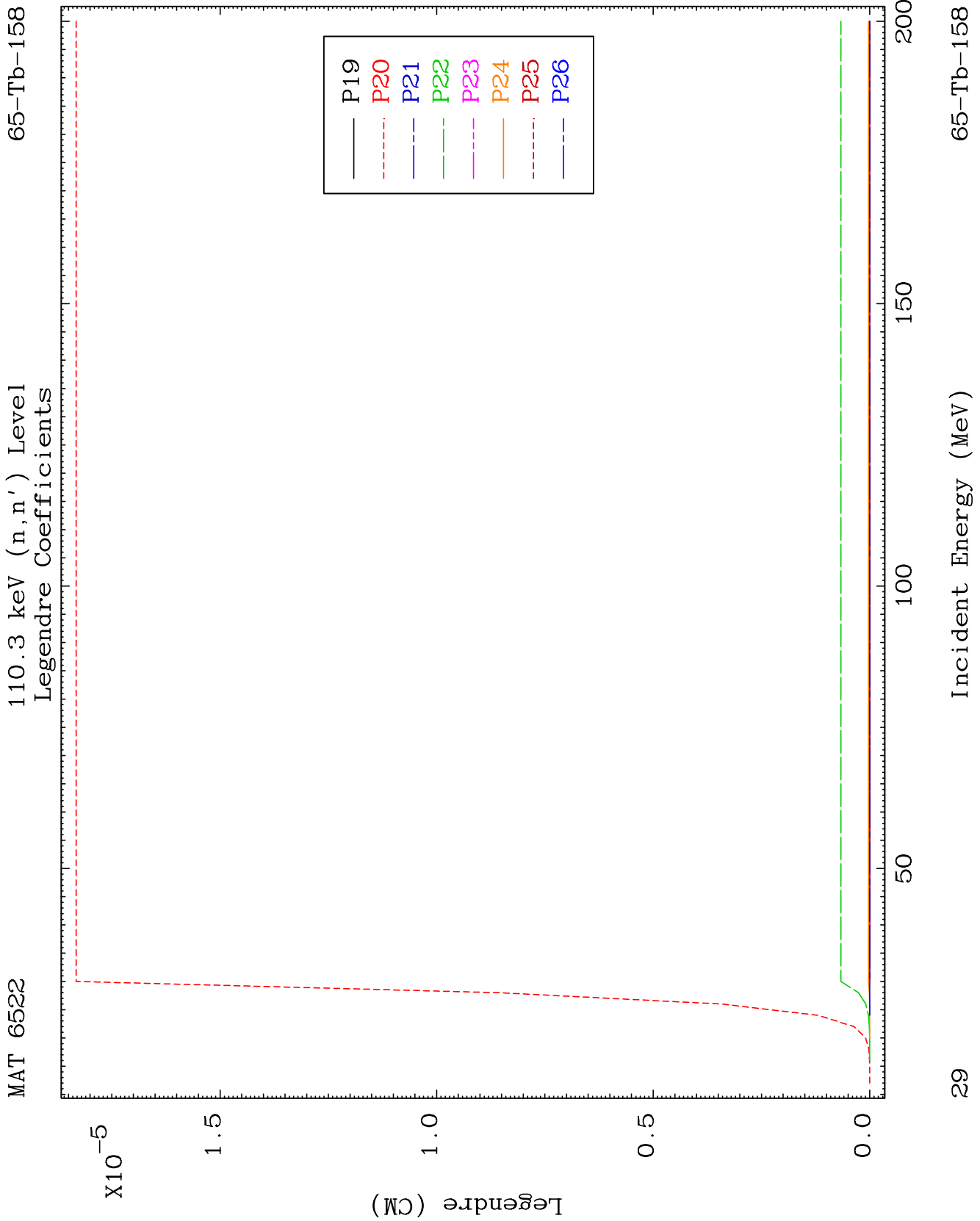


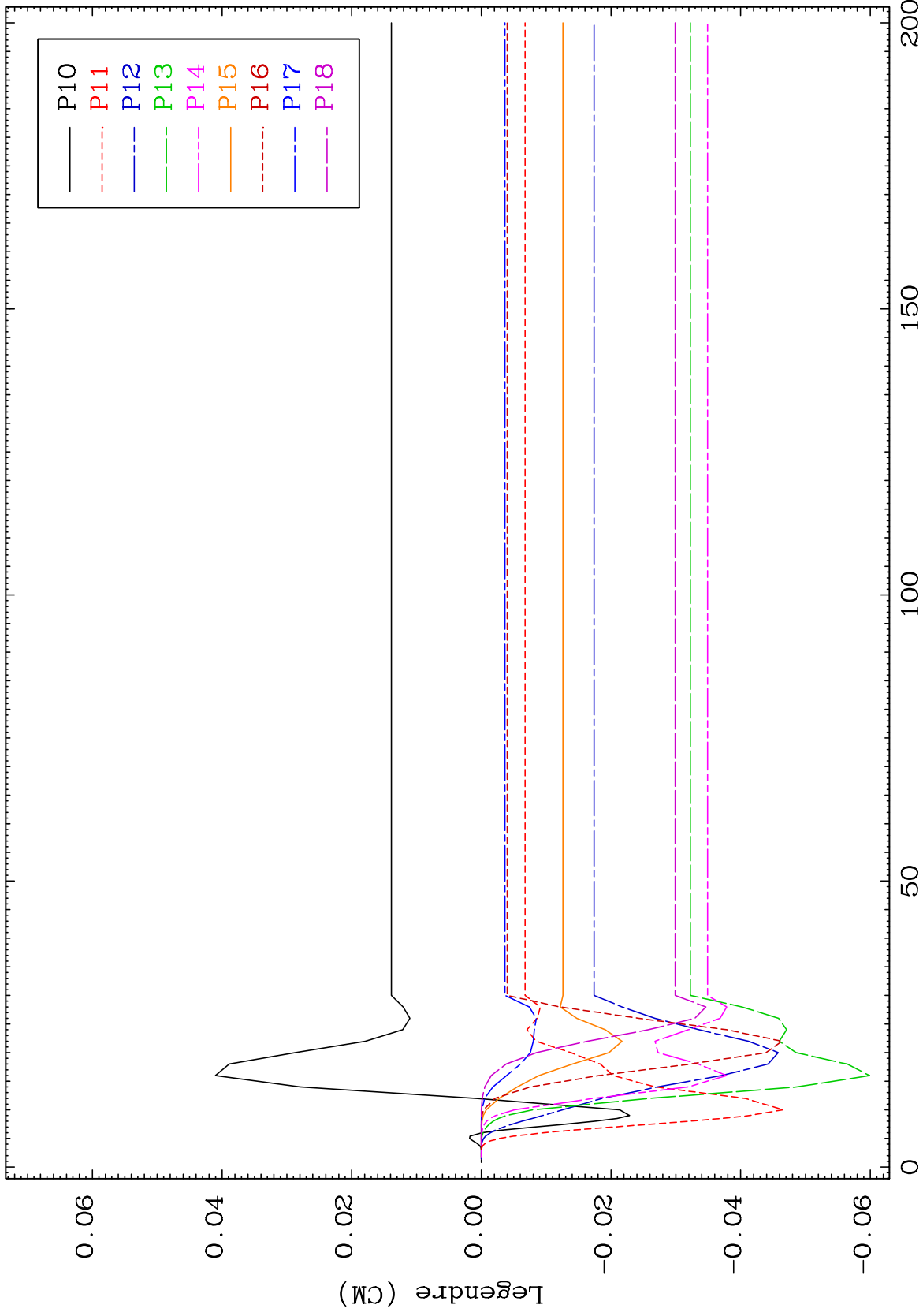


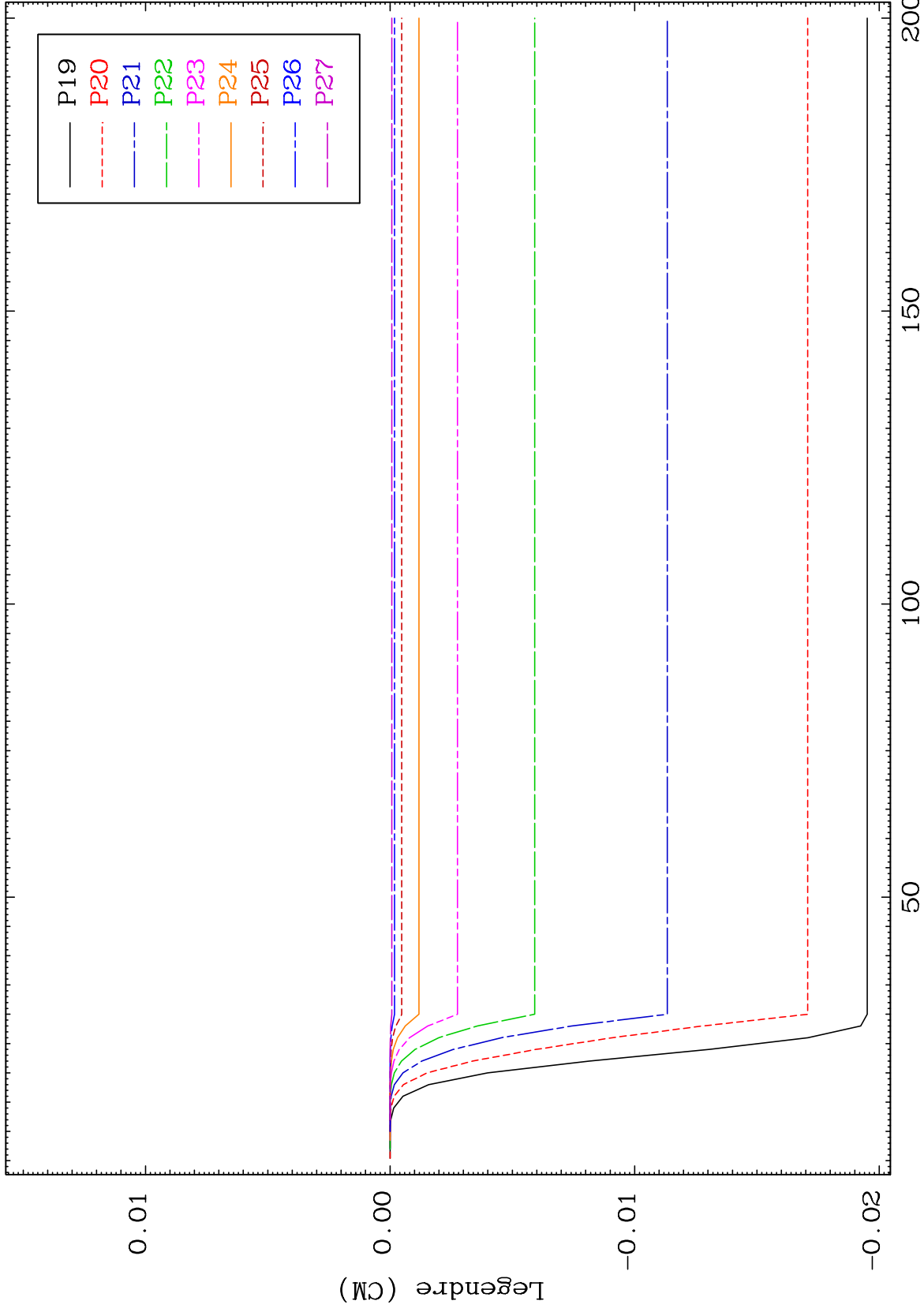


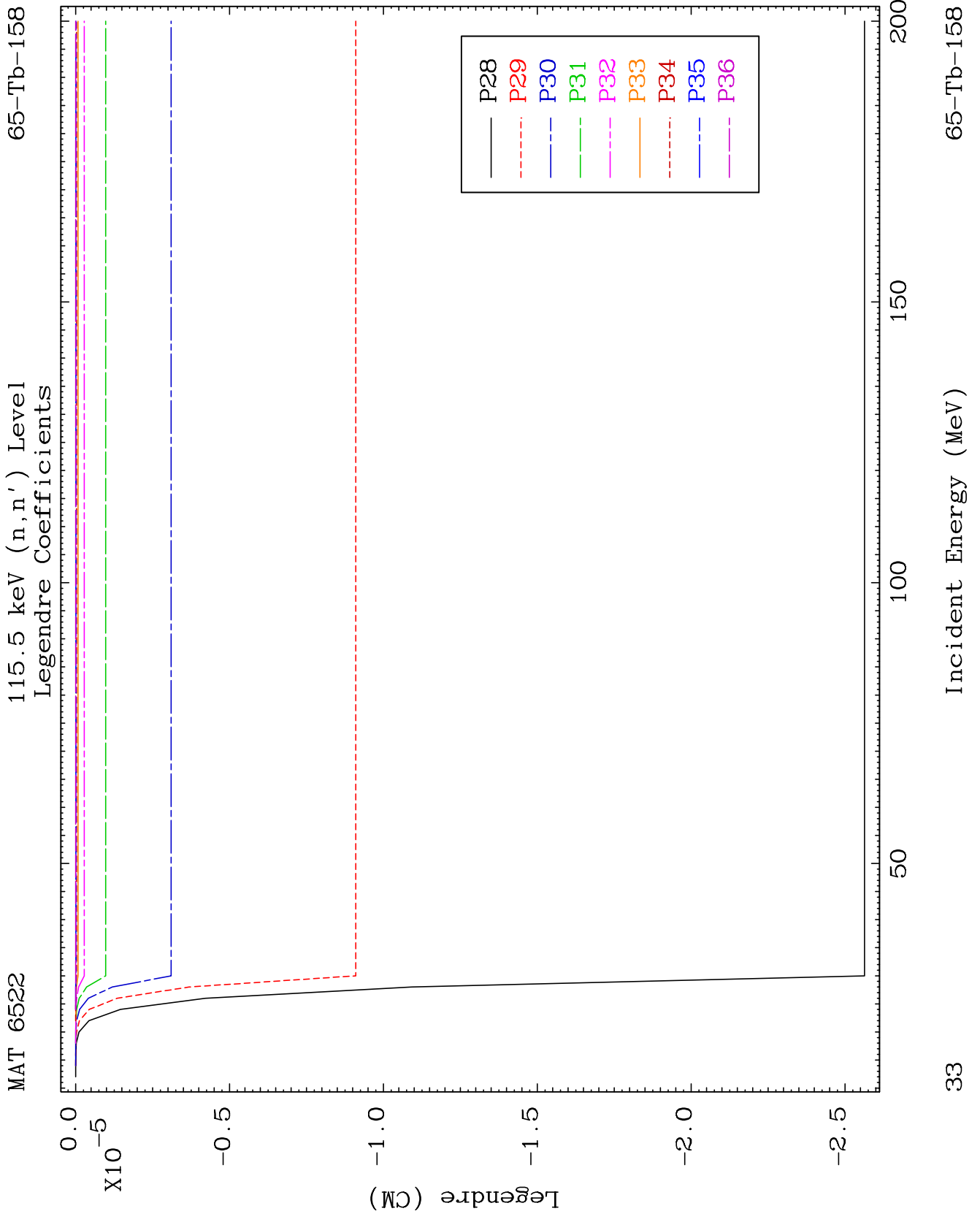


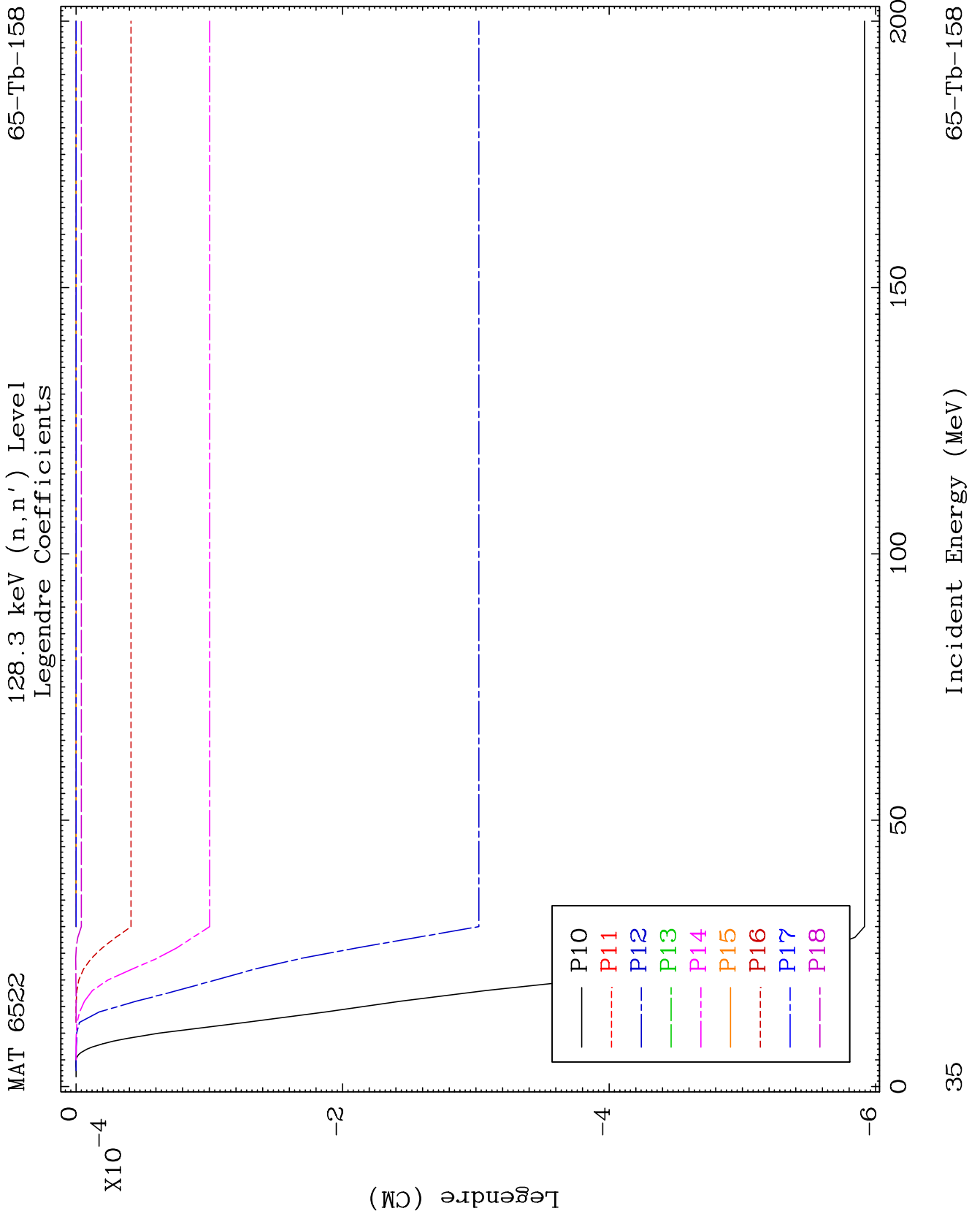


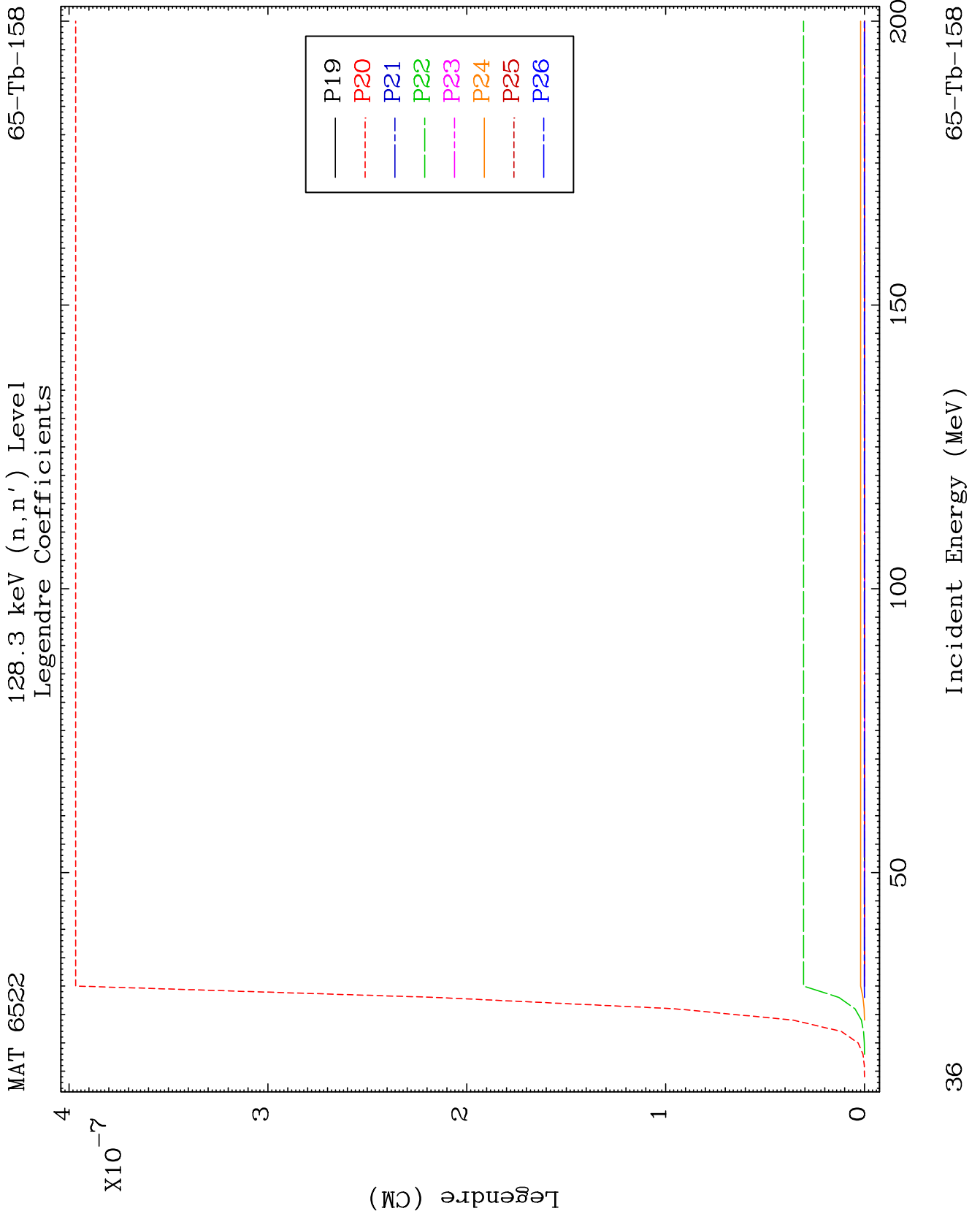


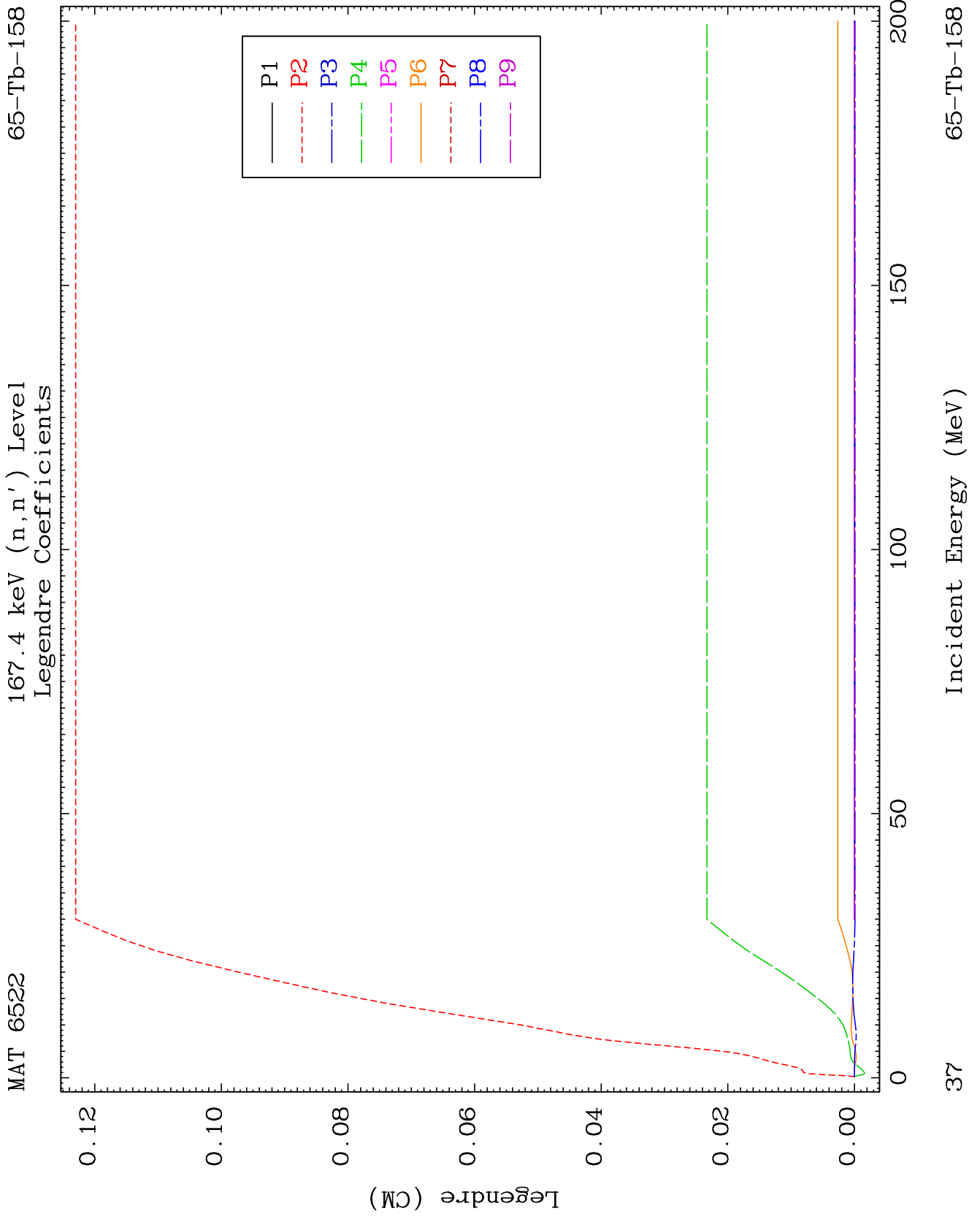








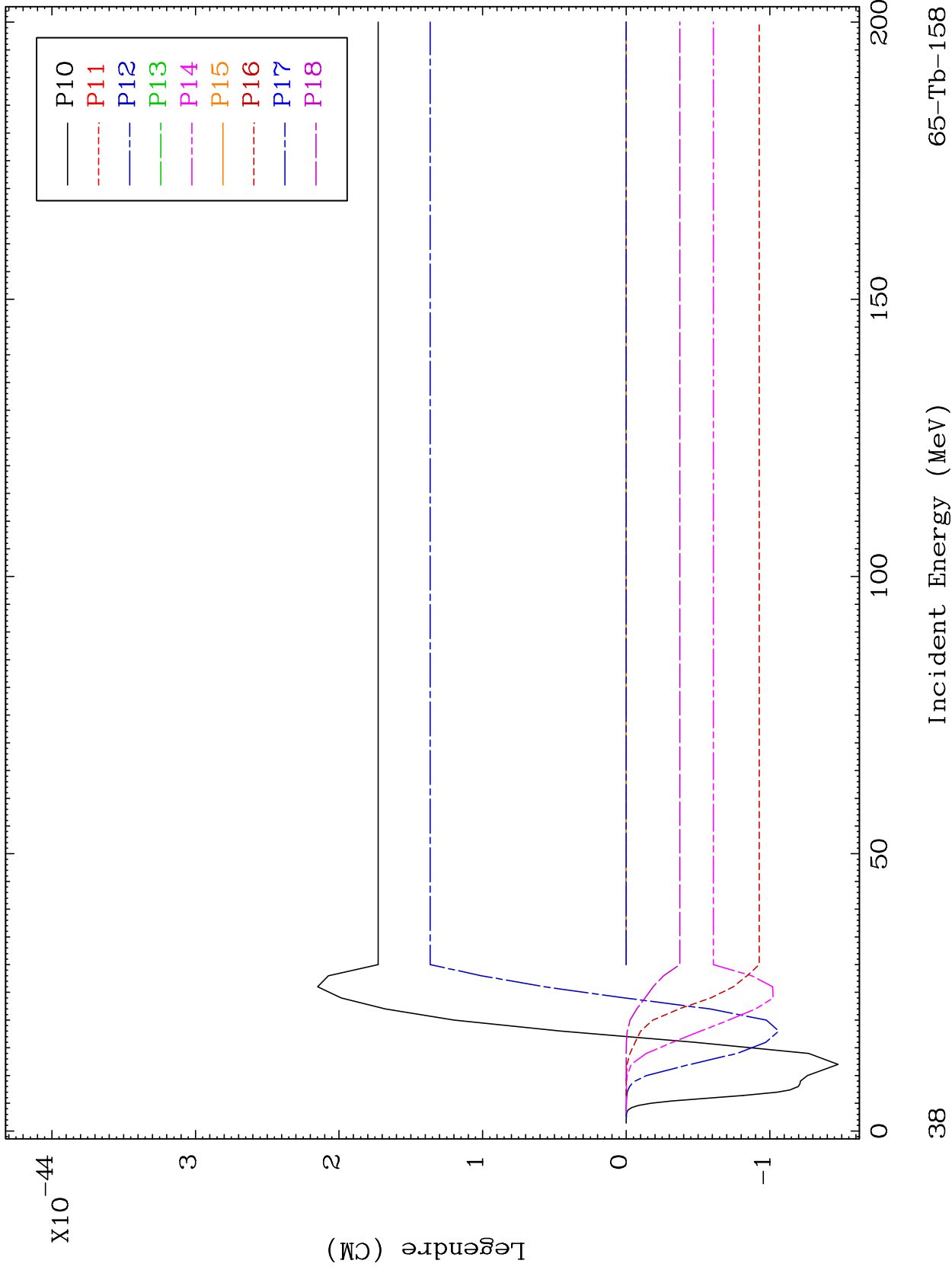




MAT 65222

167.4 keV (n,n') Level
Legendre Coefficients

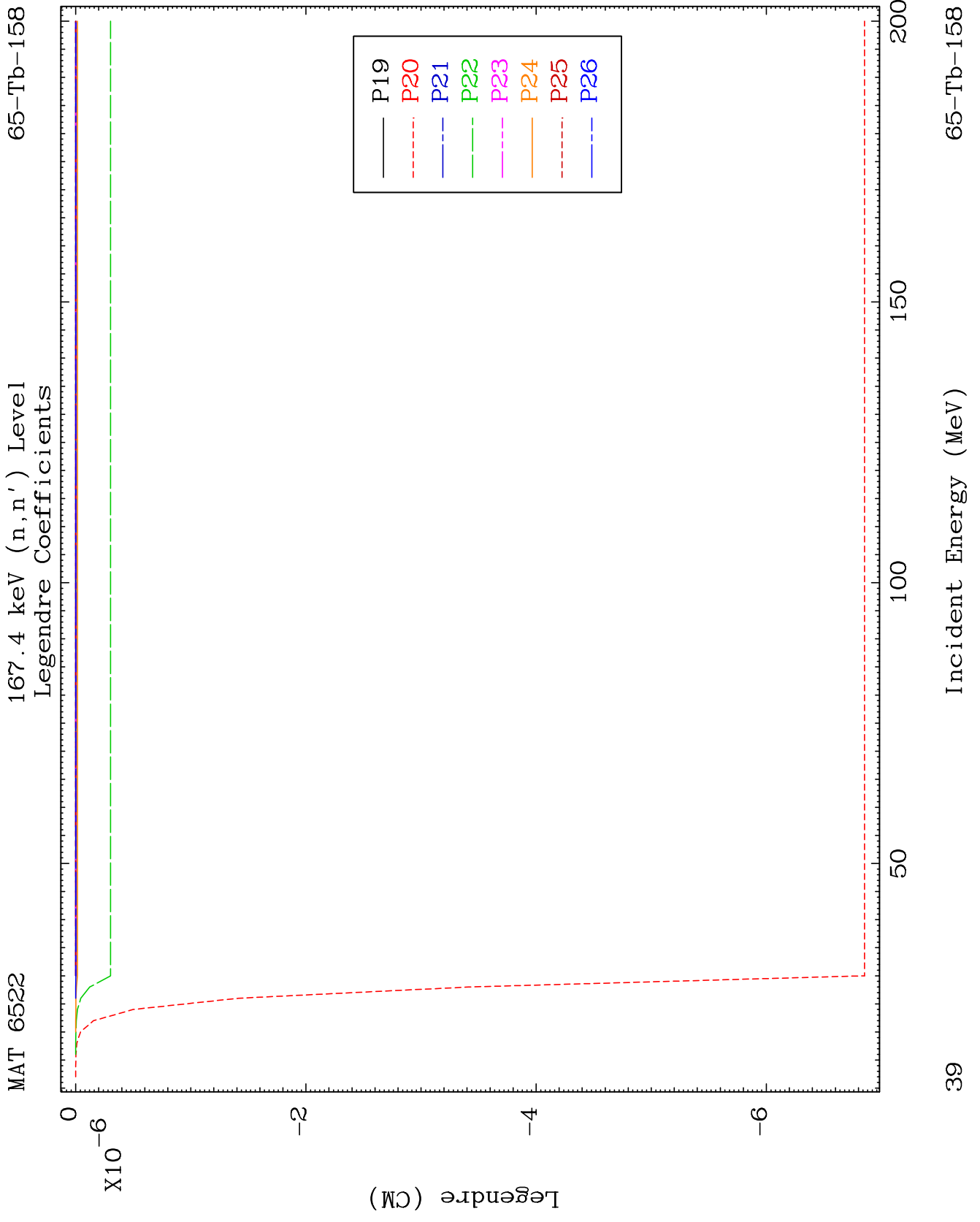
65-Tb-158



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Incident Energy (MeV)

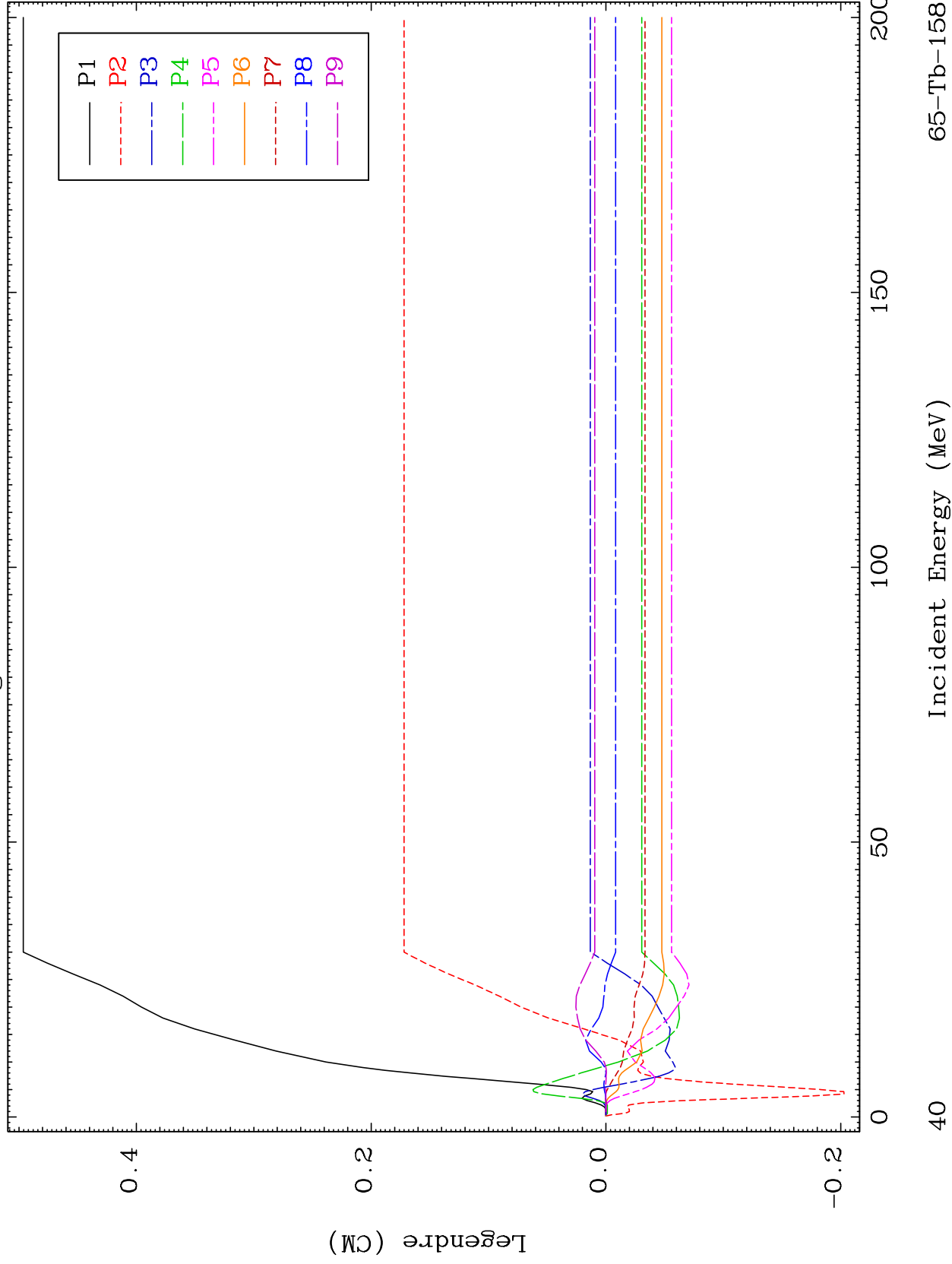
65-Tb-158



MAT 6522

178.9 keV (n,n') Level
Legendre Coefficients

65-Tb-158



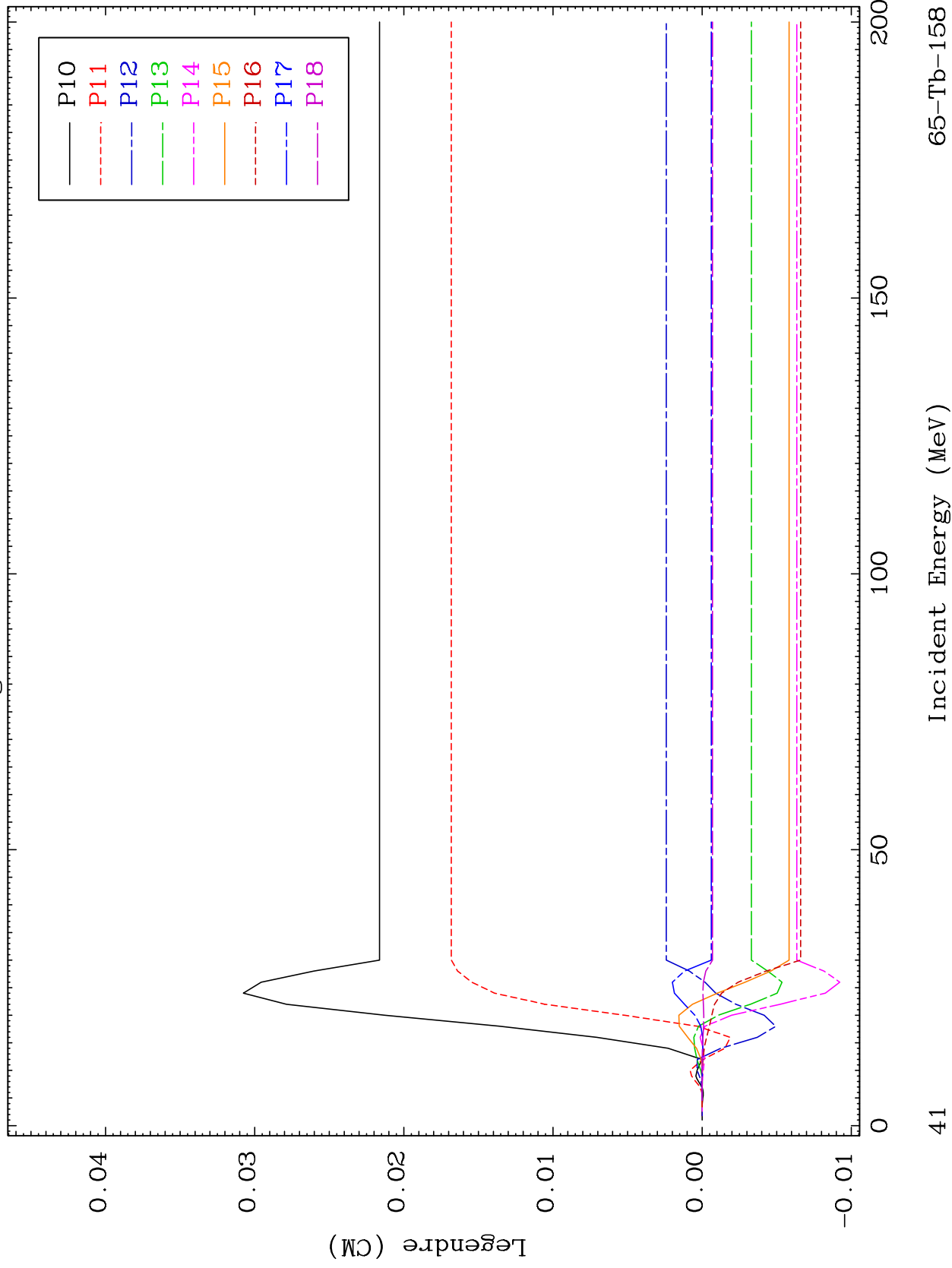
65-Tb-158

Incident Energy (MeV)

MAT 6522

178.9 keV (n,n') Level
Legendre Coefficients

65-Tb-158



41

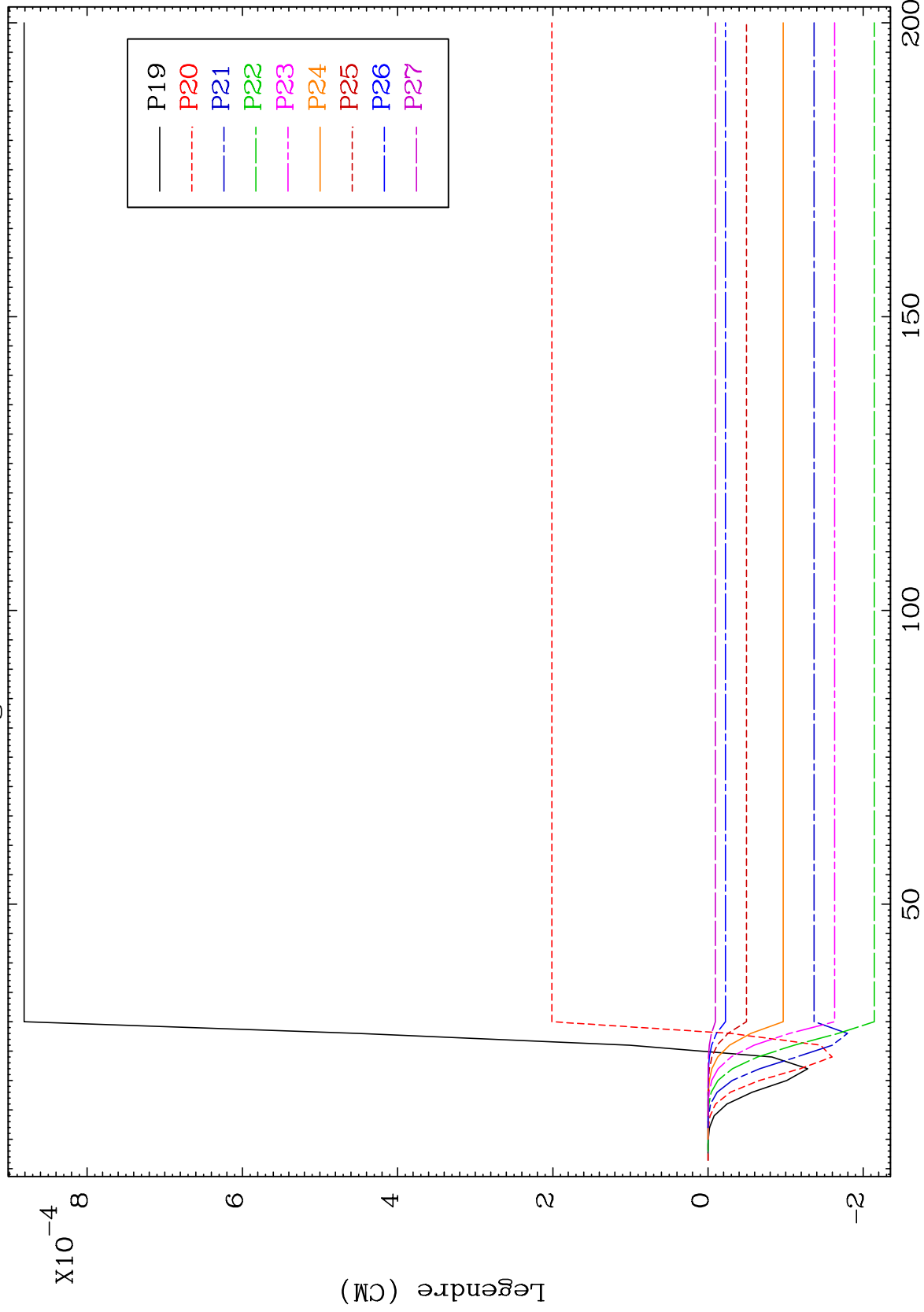
Incident Energy (MeV)

65-Tb-158

MAT 6522

178.9 keV (n, n') Level
Legendre Coefficients

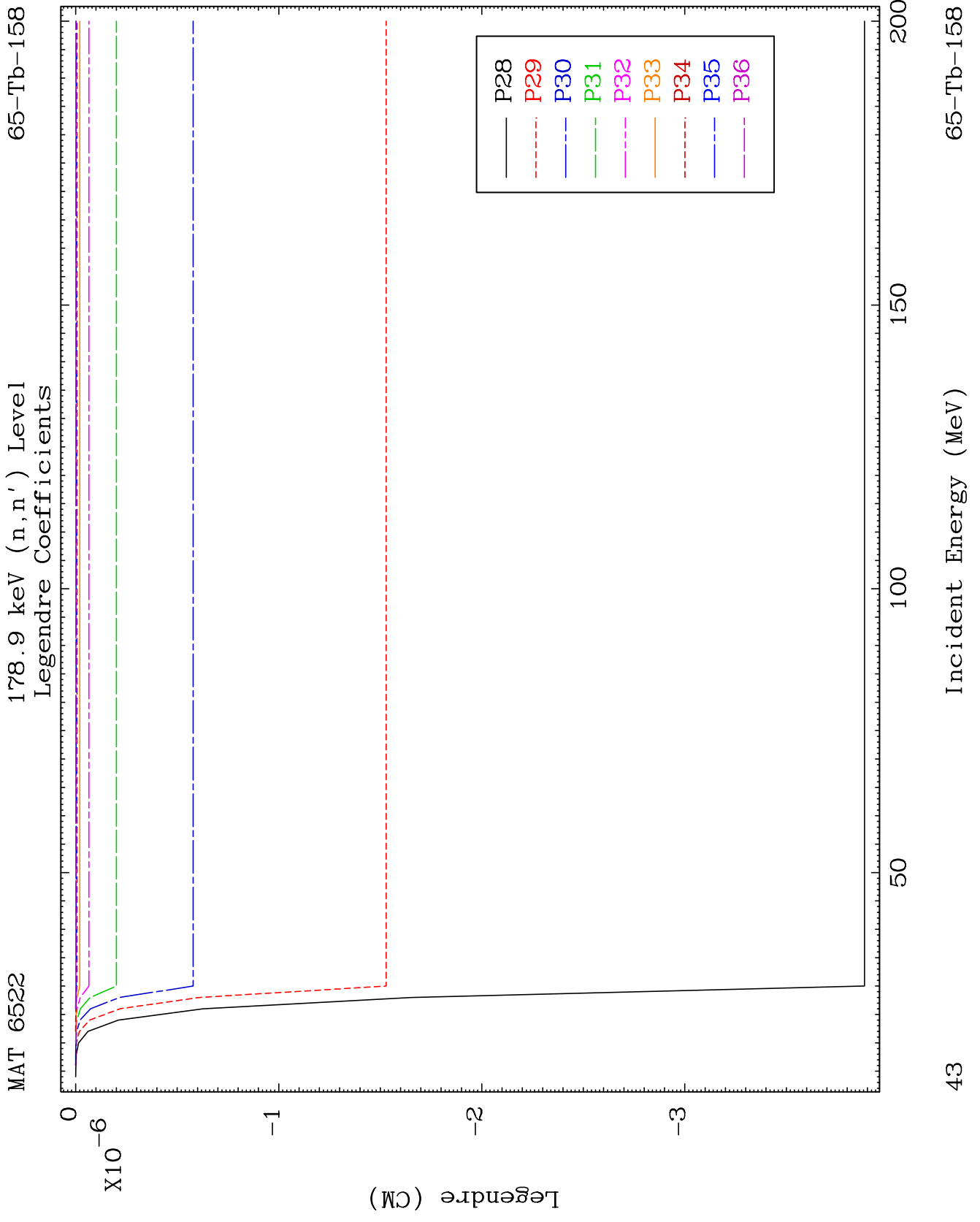
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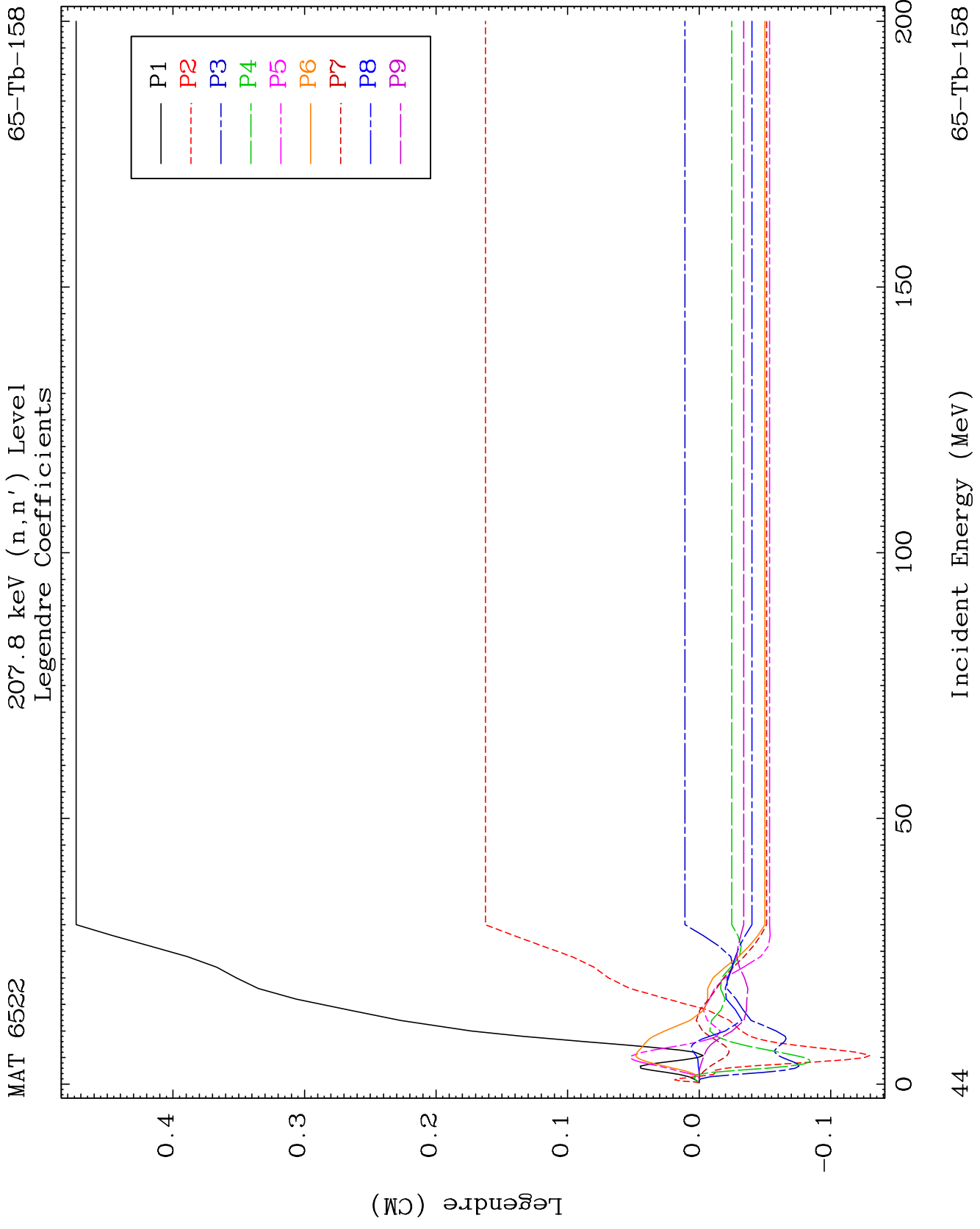


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Incident Energy (MeV)

65-Tb-158

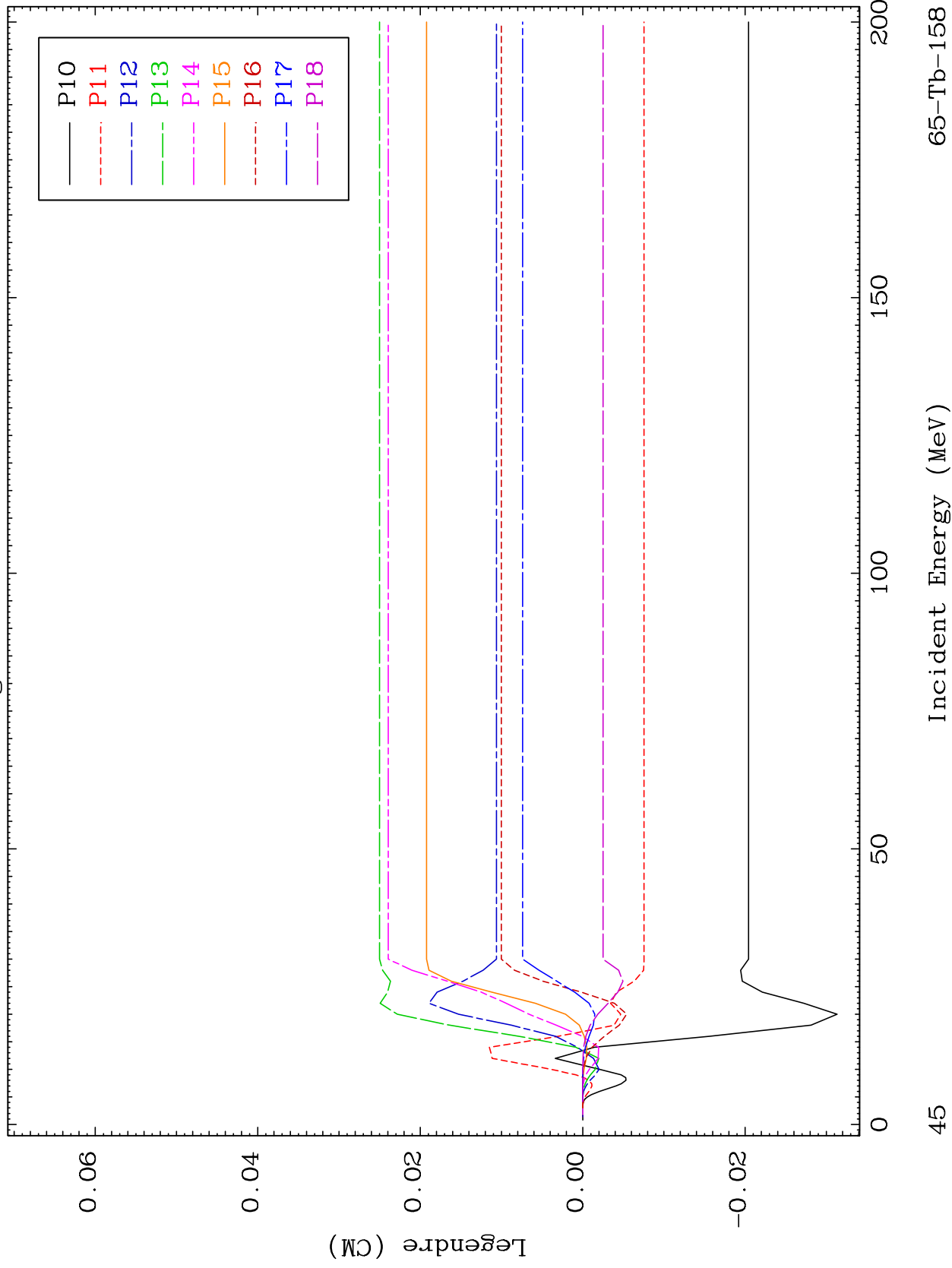




MAT 65222

207.8 keV (n,n') Level
Legendre Coefficients

65-Tb-158



65-Tb-158

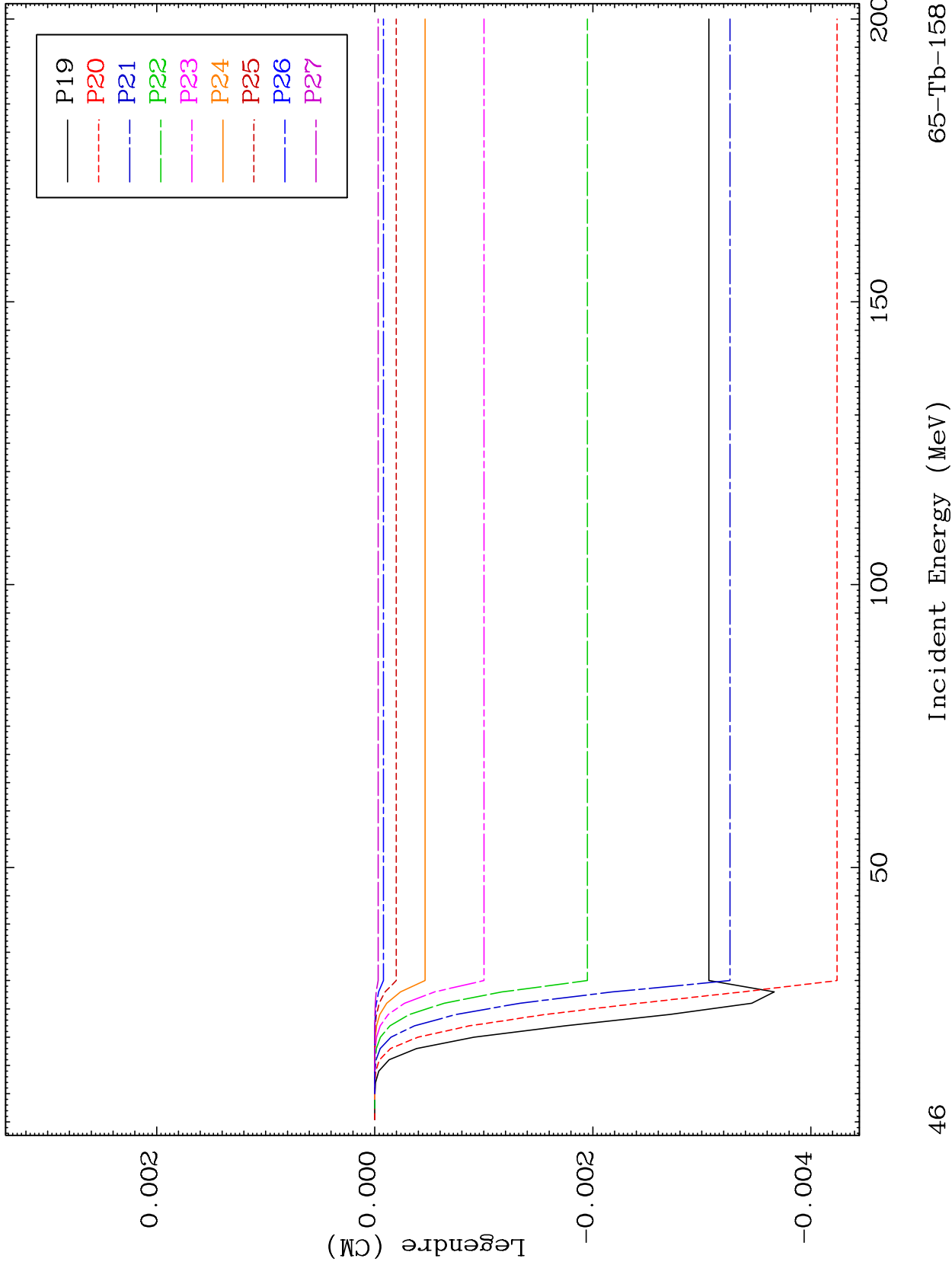
Incident Energy (MeV)

45

MAT 6522

207.8 keV (n,n') Level
Legendre Coefficients

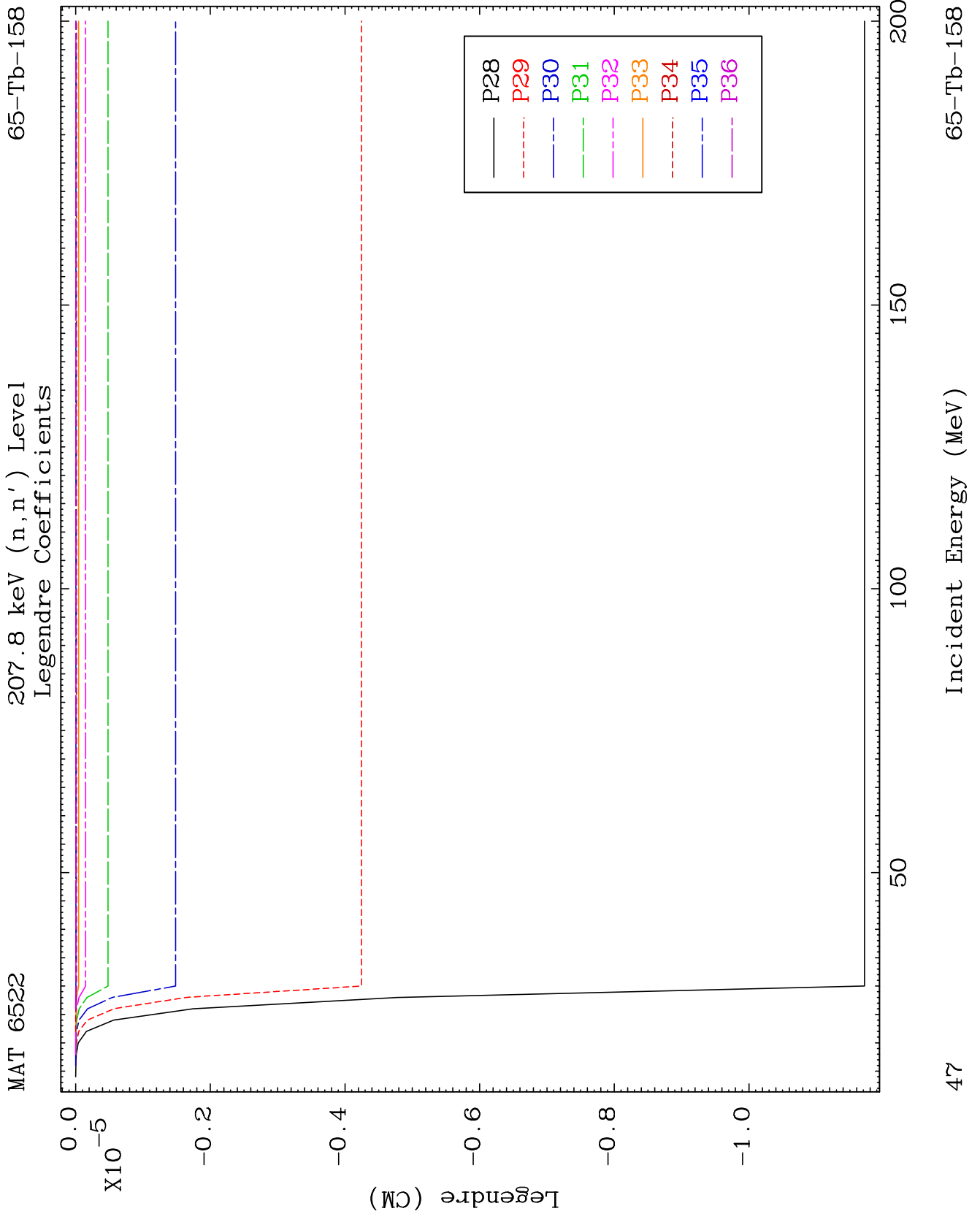
65-Tb-158



46

Incident Energy (MeV)

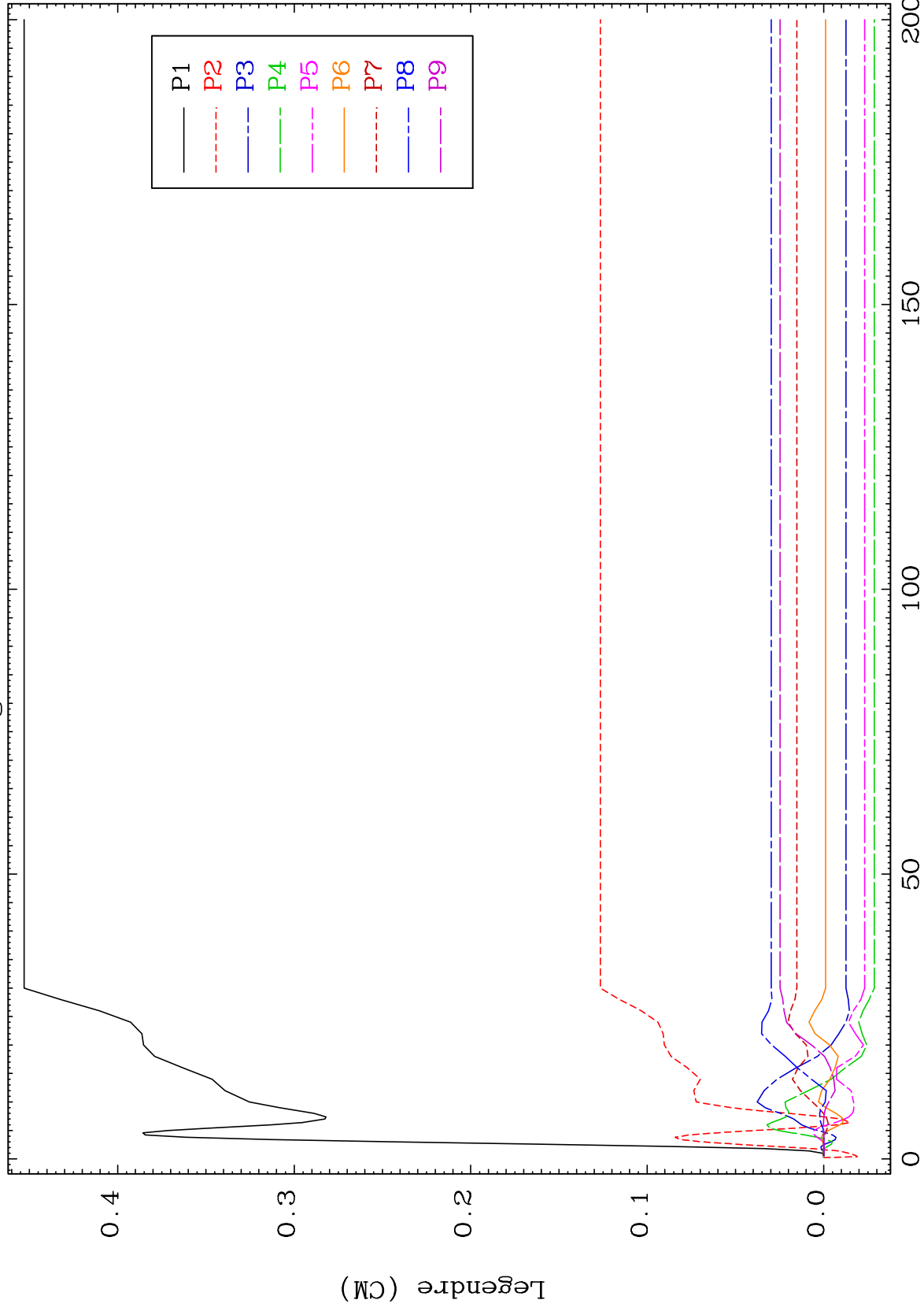
65-Tb-158



MAT 6522

217.3 keV (n,n') Level
Legendre Coefficients

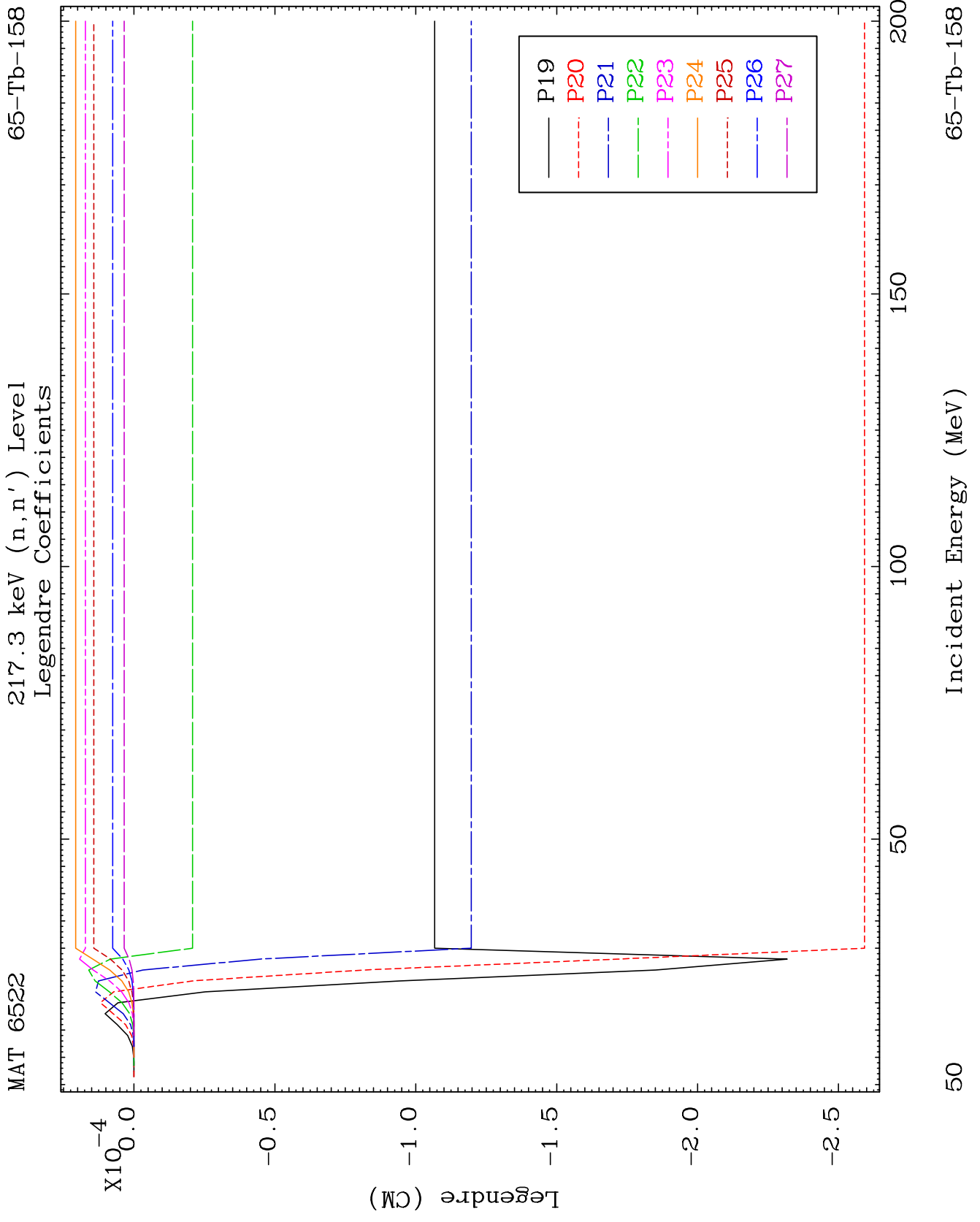
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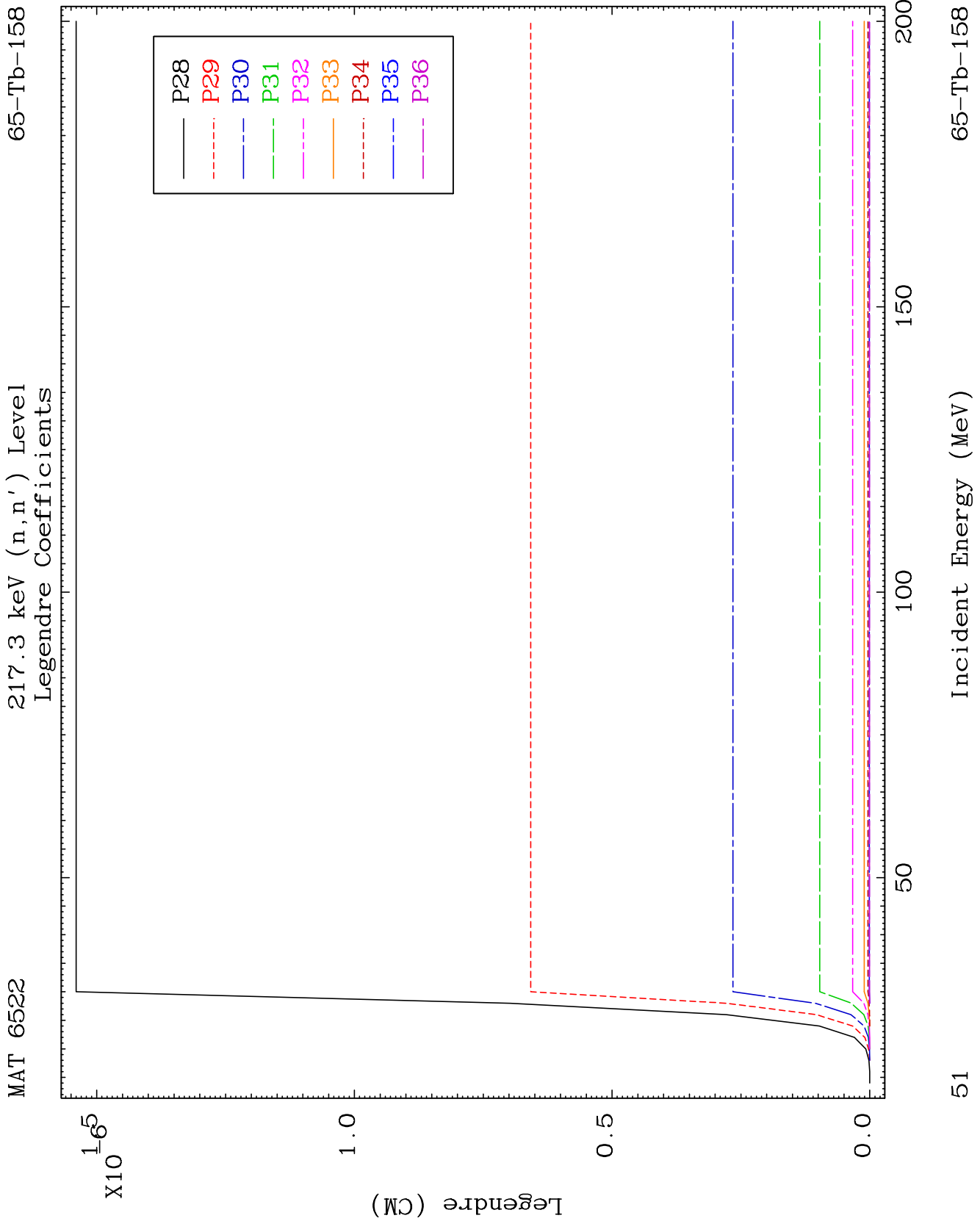


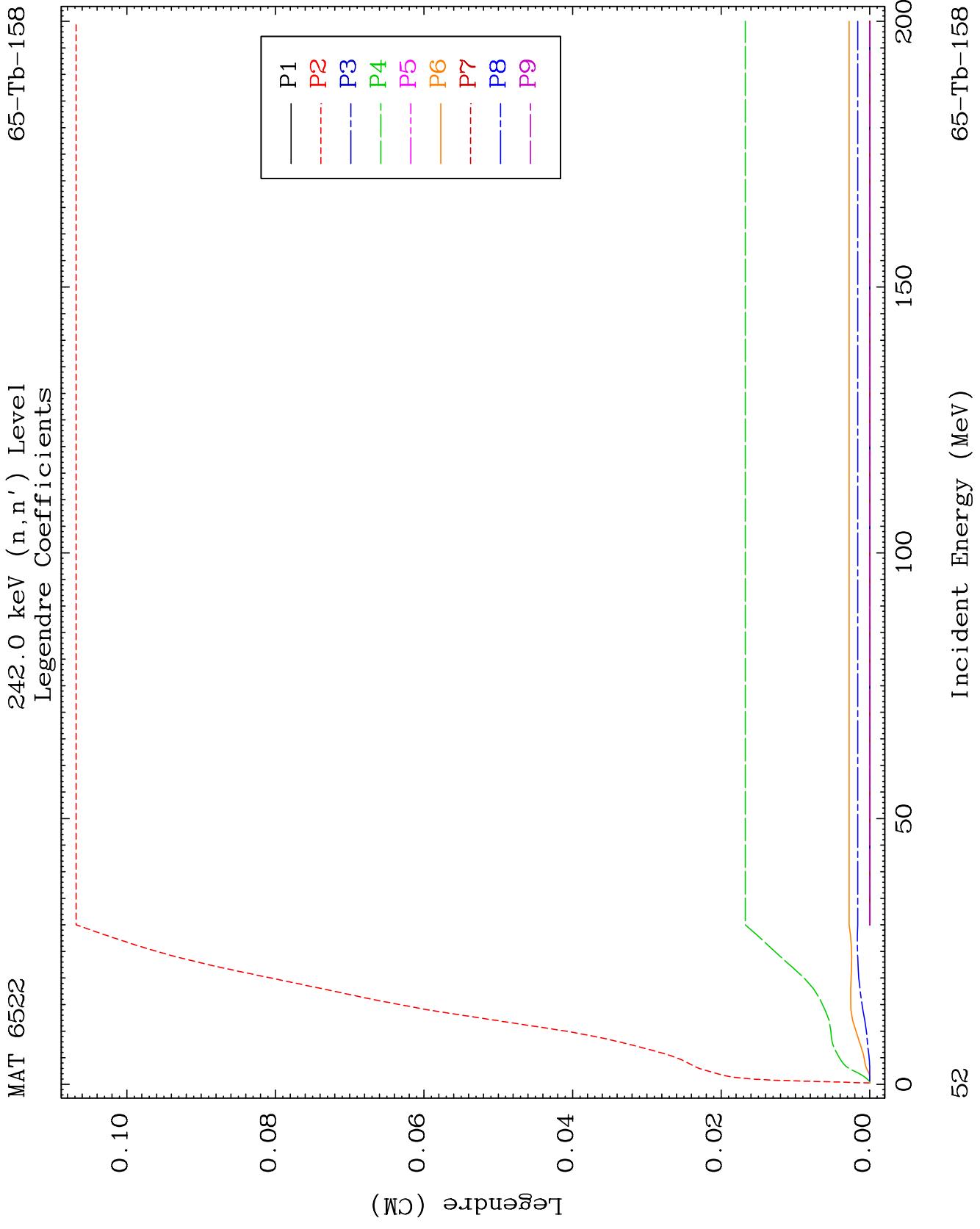
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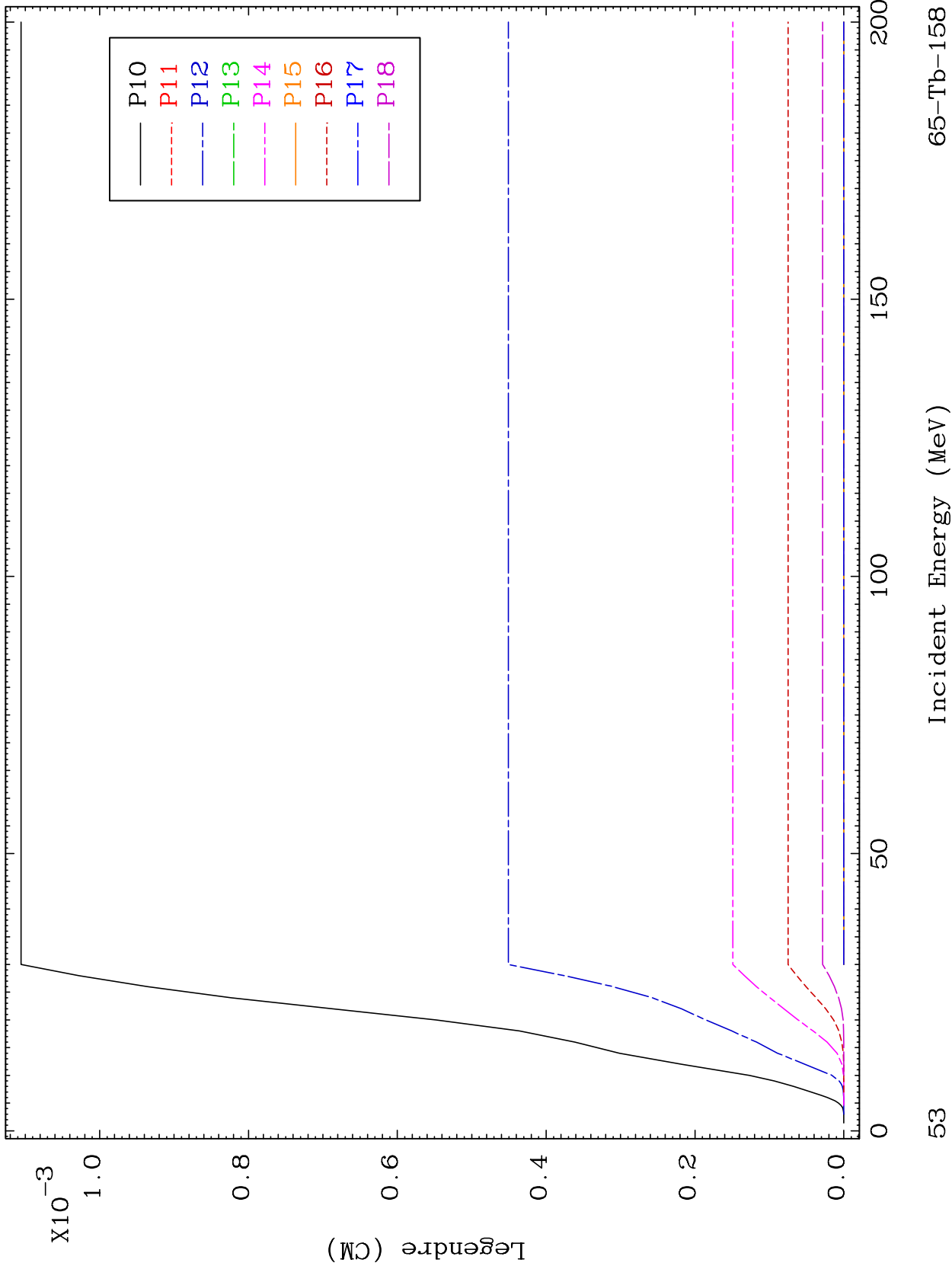
Incident Energy (MeV)

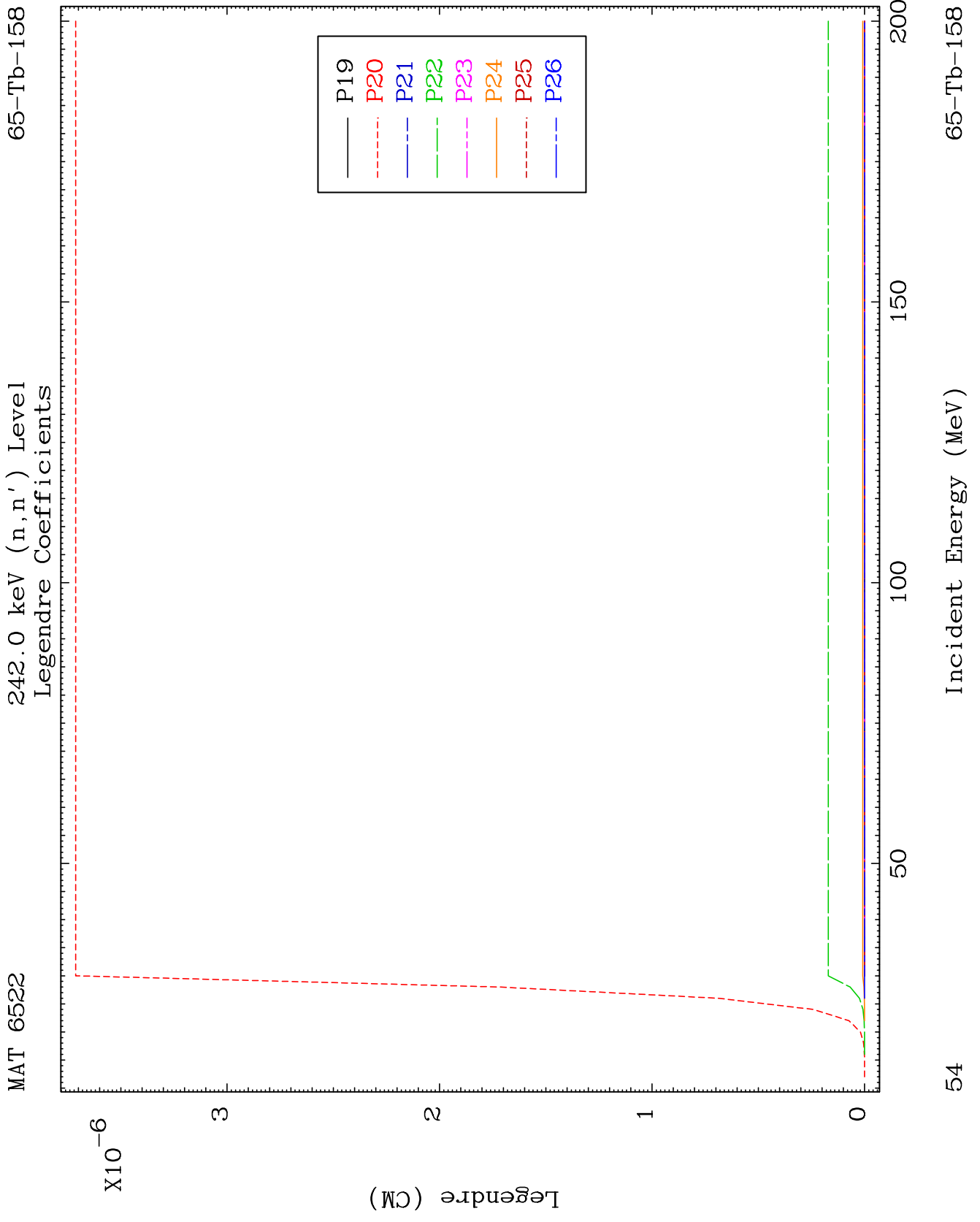
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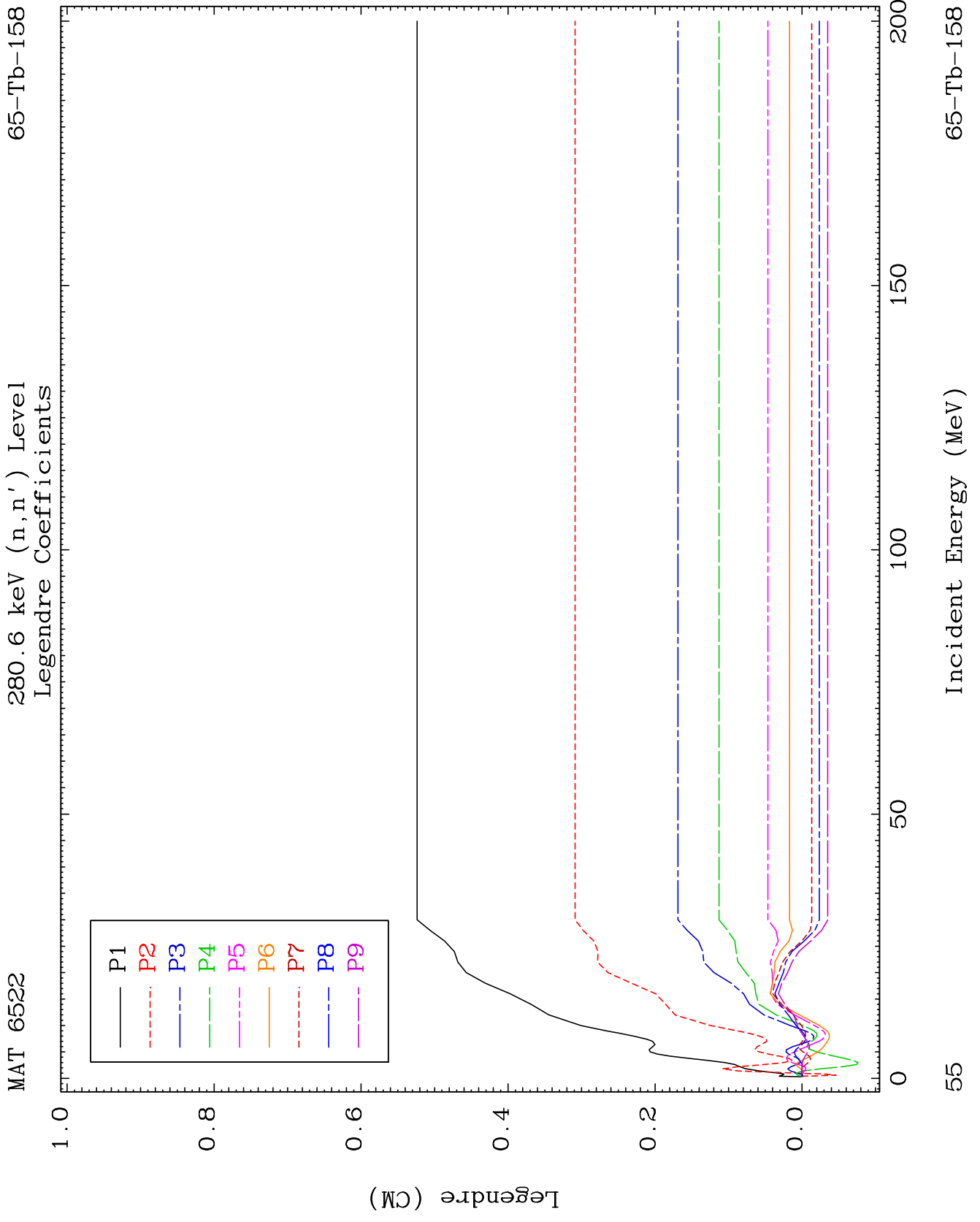








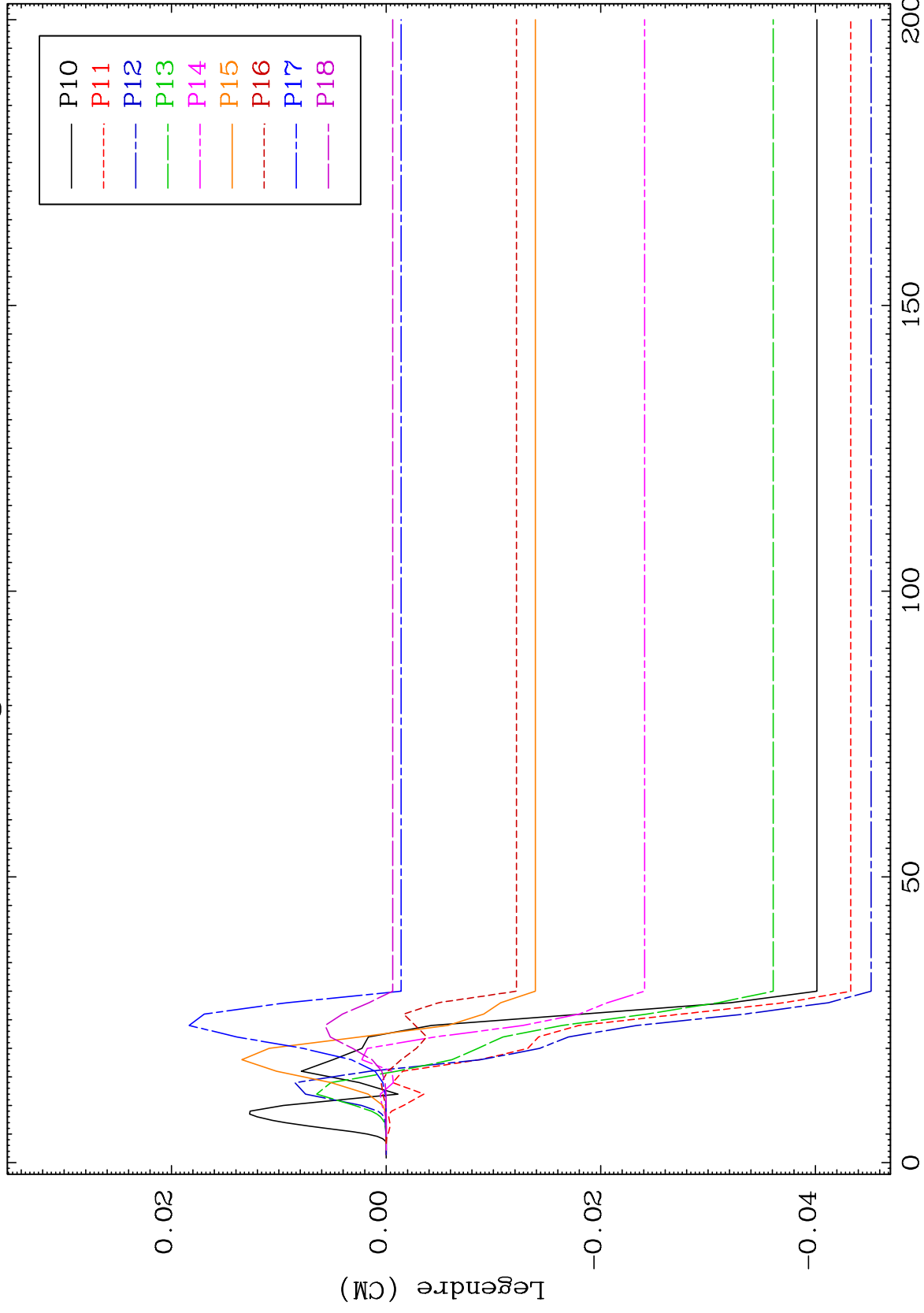




MAT 65222

280.6 keV (n,n') Level
Legendre Coefficients

65-Tb-158



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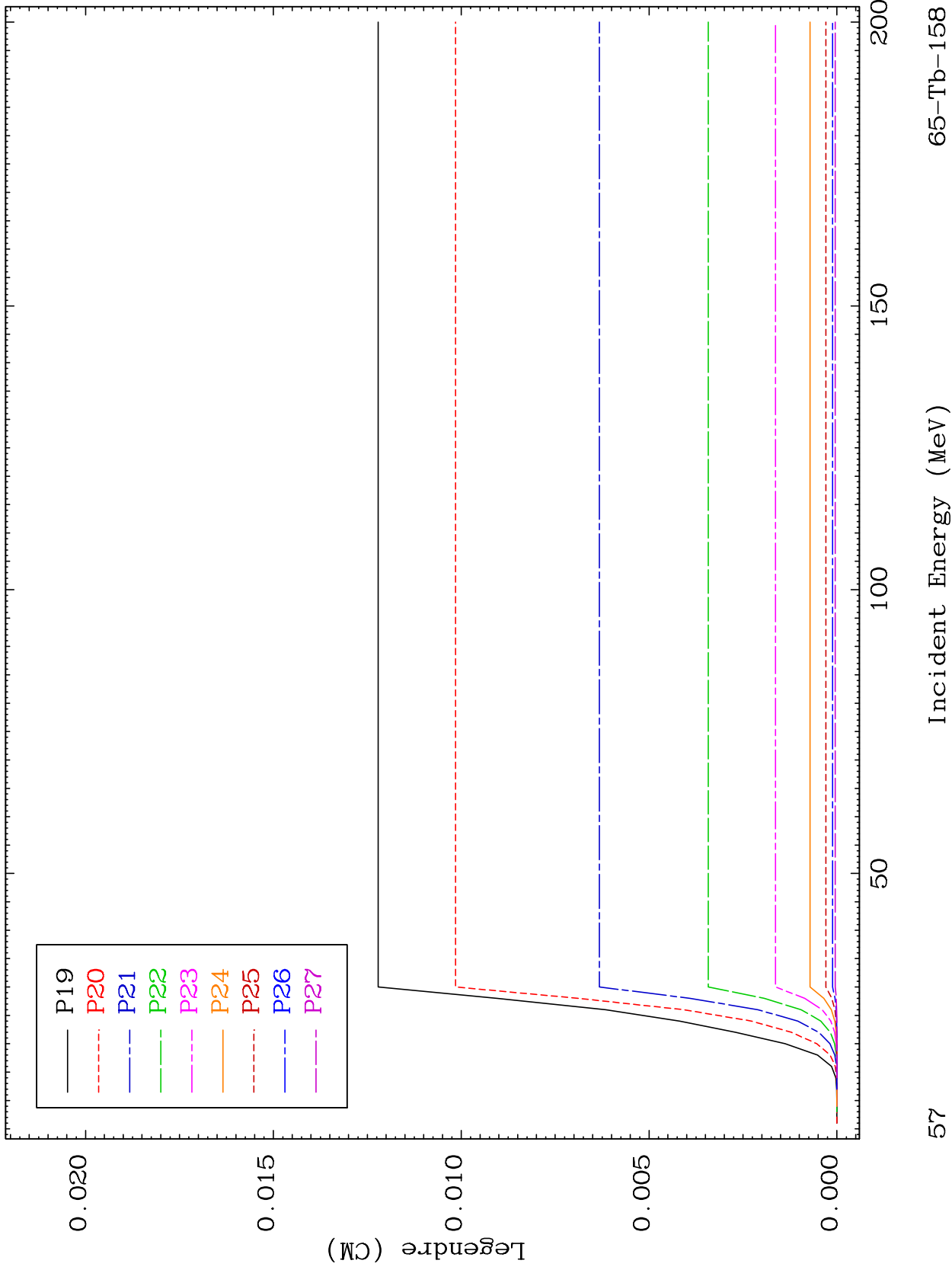
Incident Energy (MeV)

65-Tb-158

MAT 65222

280.6 keV (n,n') Level
Legendre Coefficients

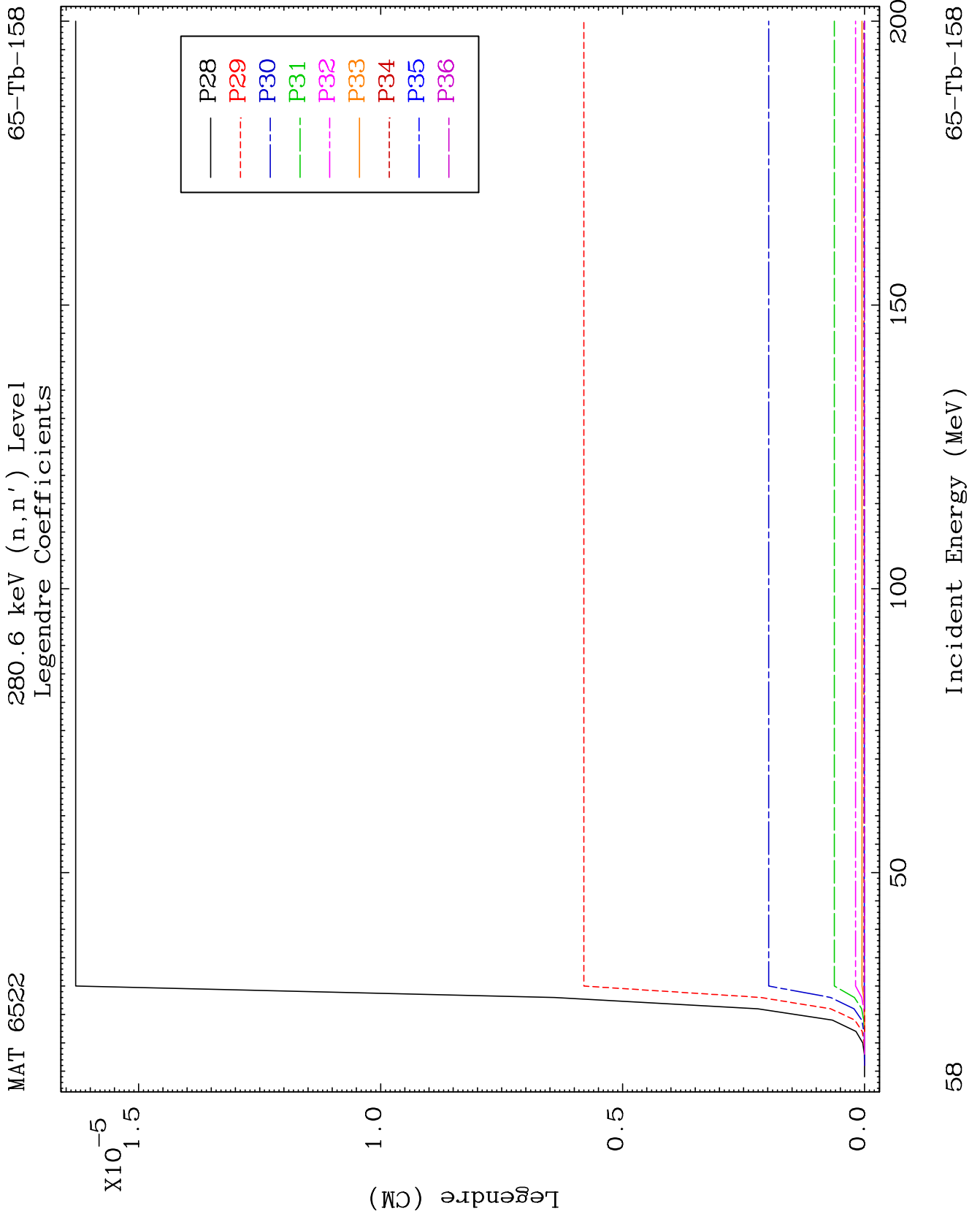
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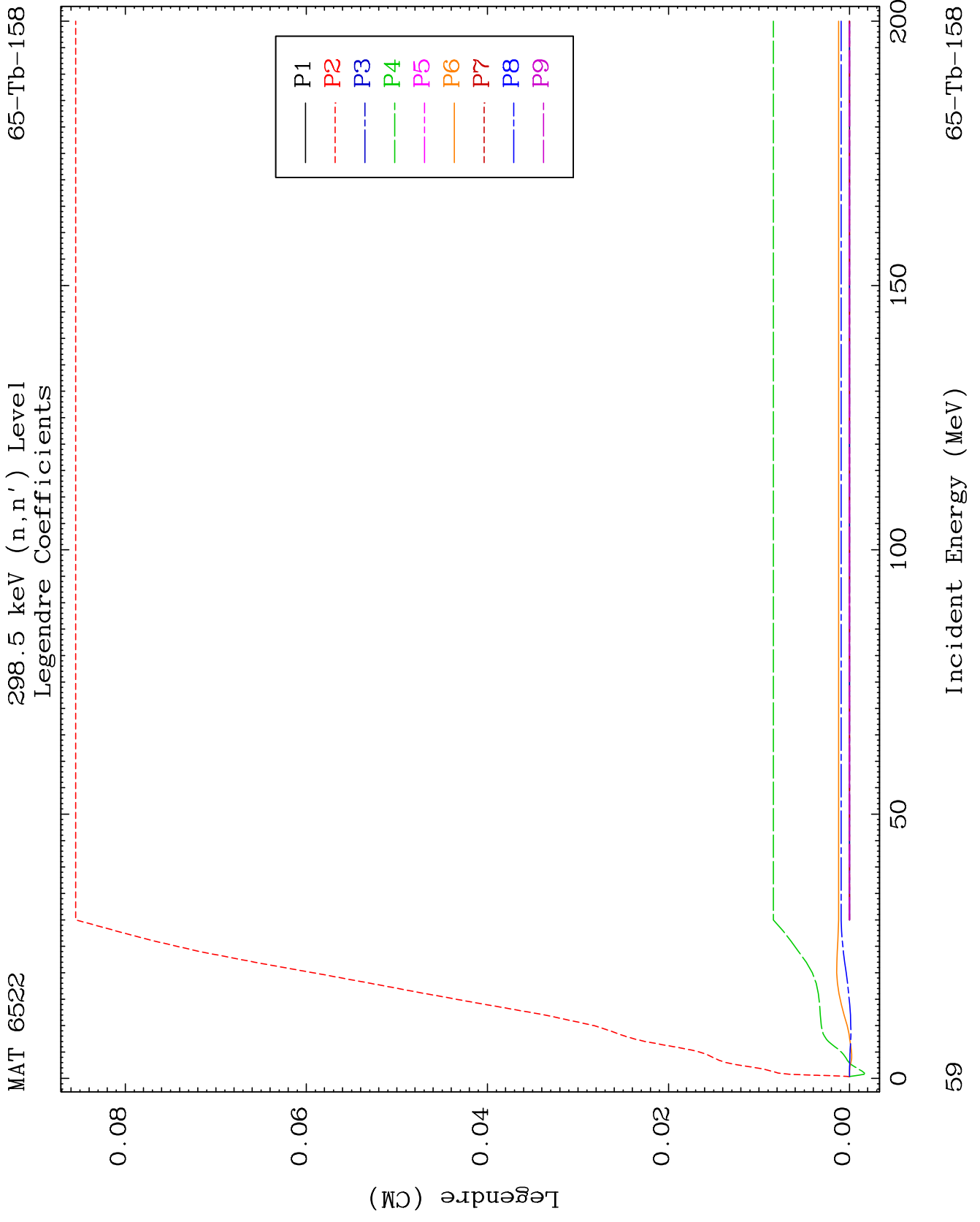


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Incident Energy (MeV)

65-Tb-158

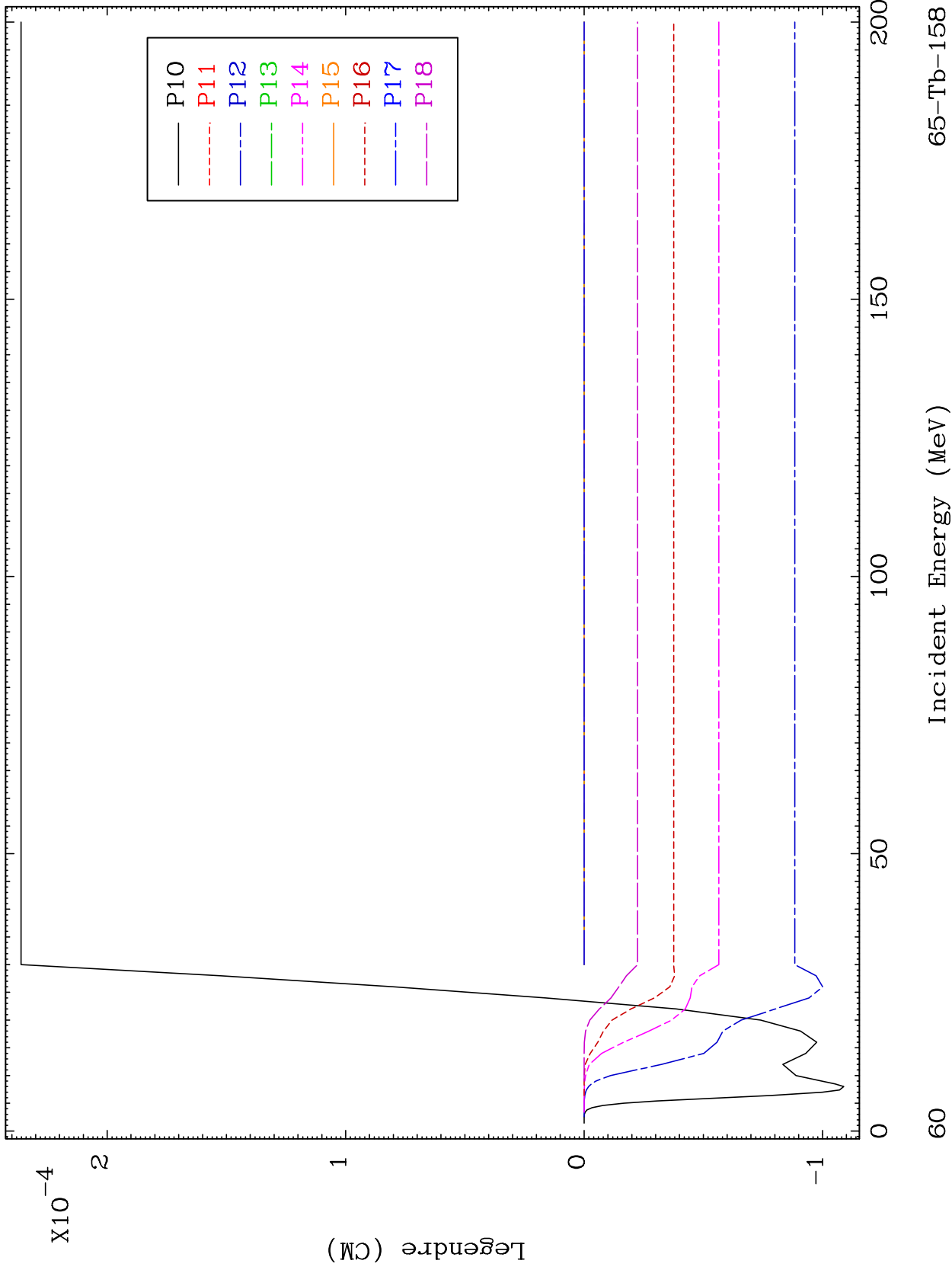




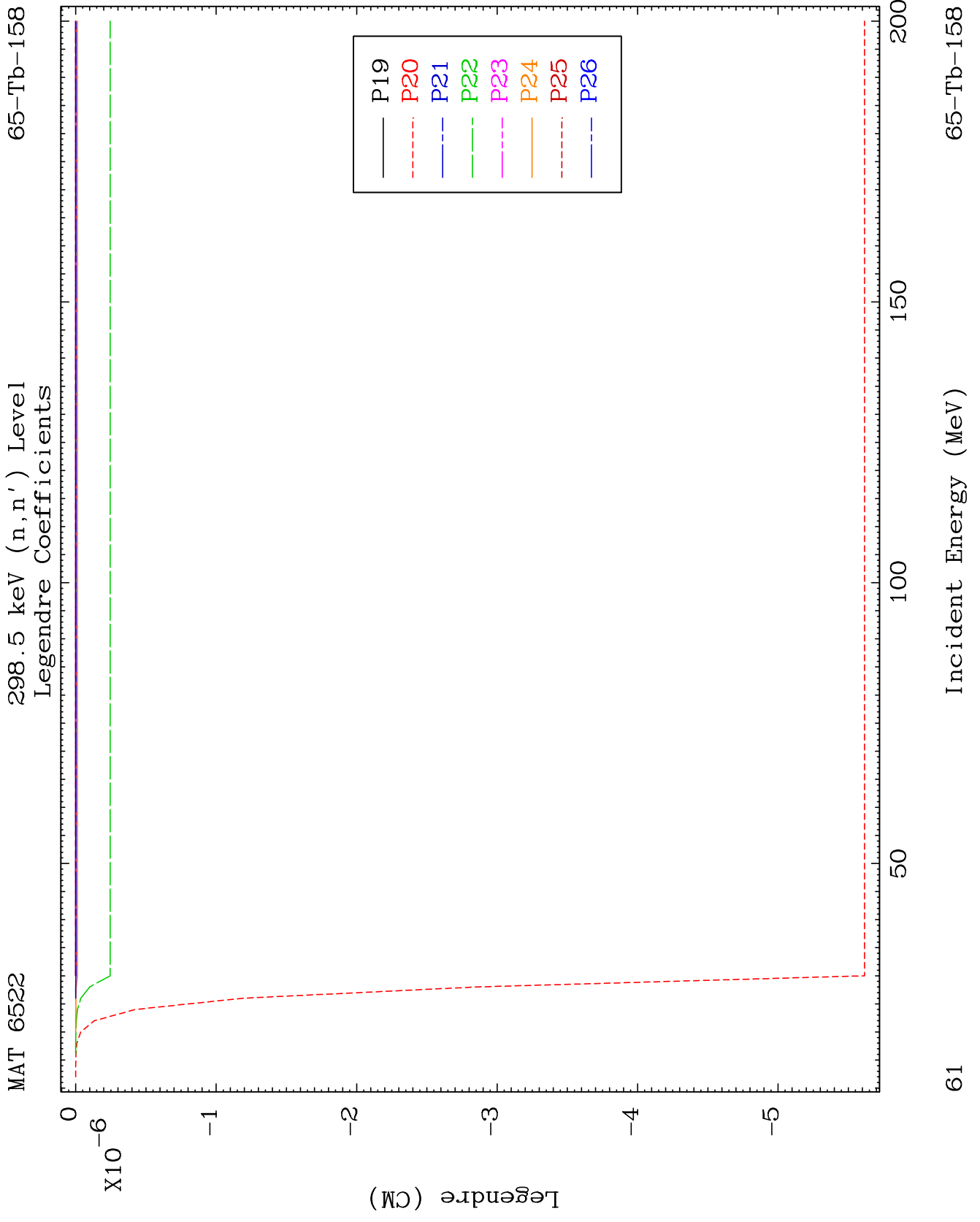
MAT 6522

298.5 keV (n,n') Level
Legendre Coefficients

65-Tb-158



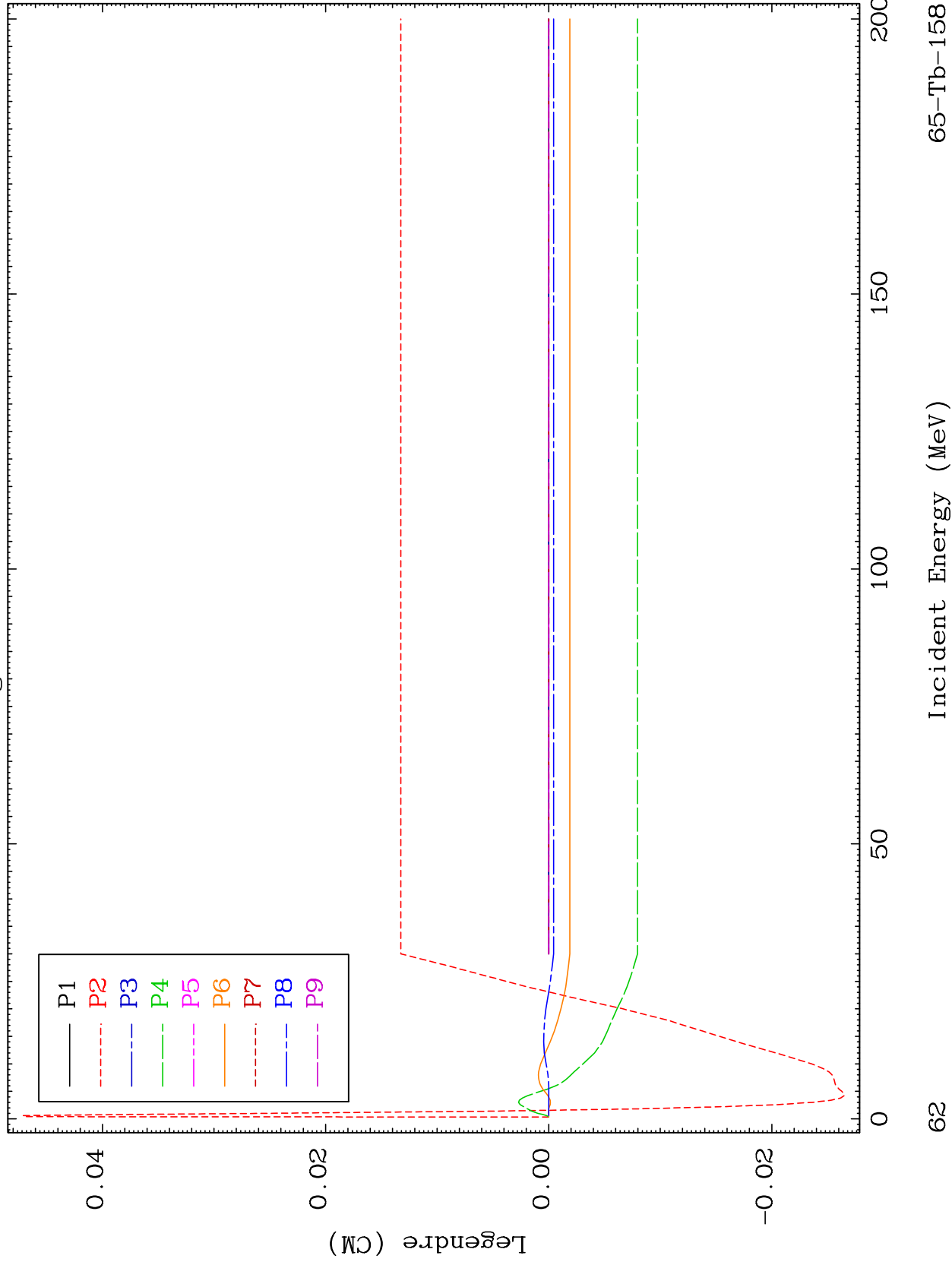
65-Tb-158



MAT 65222

322.6 keV (n,n') Level
Legendre Coefficients

65-Tb-158



65-Tb-158

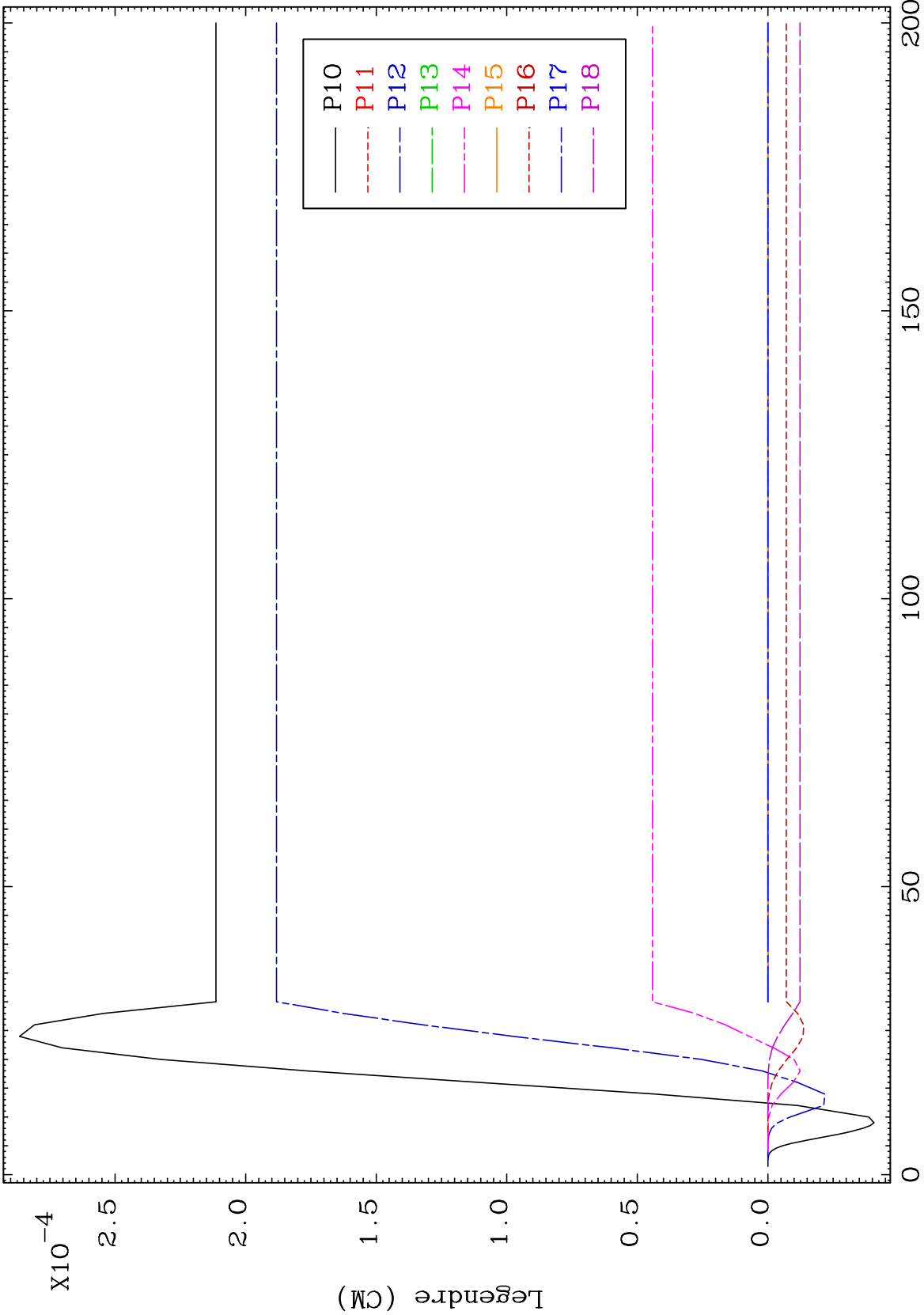
Incident Energy (MeV)

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MAT 65222

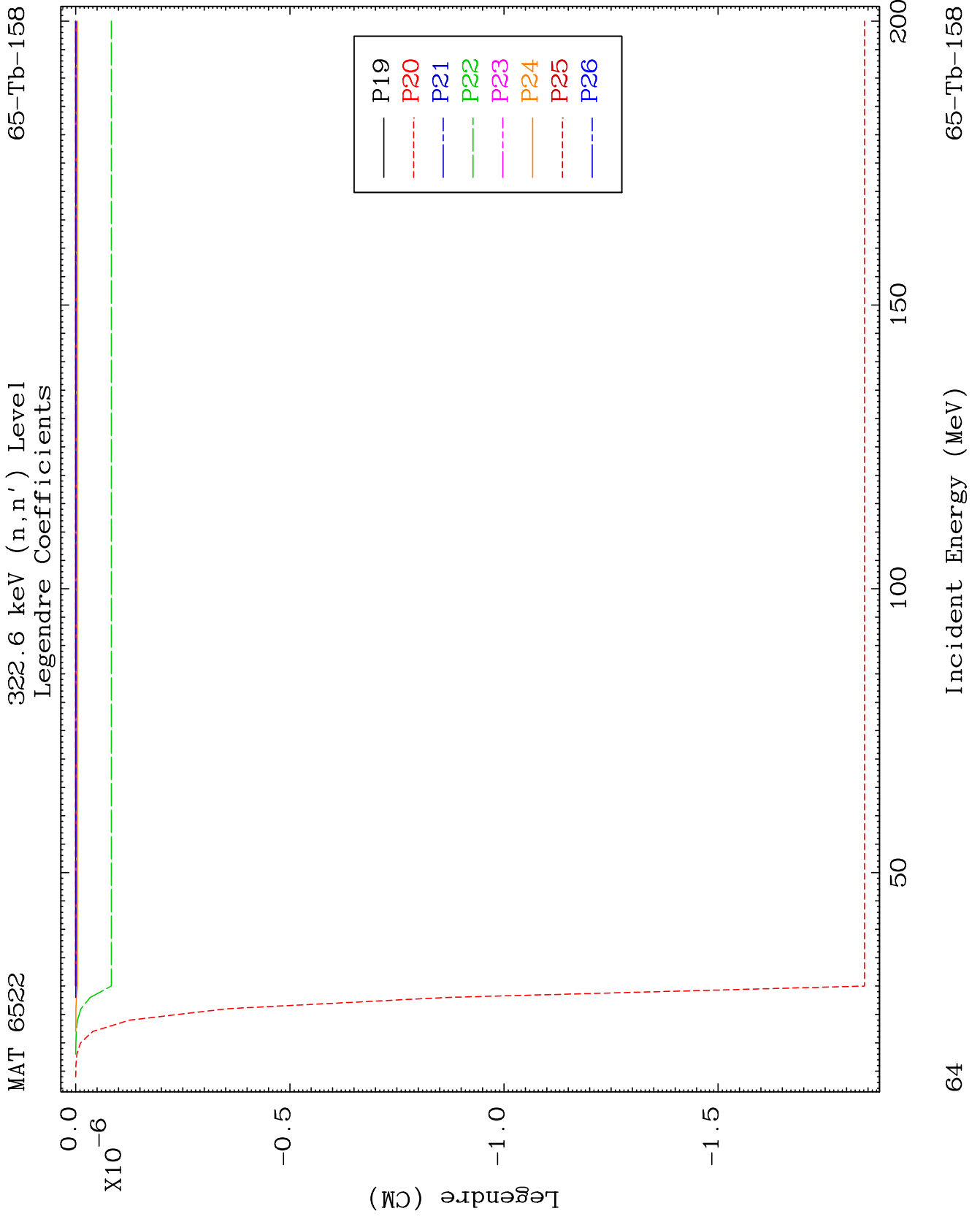
322.6 keV (n,n') Level
Legendre Coefficients

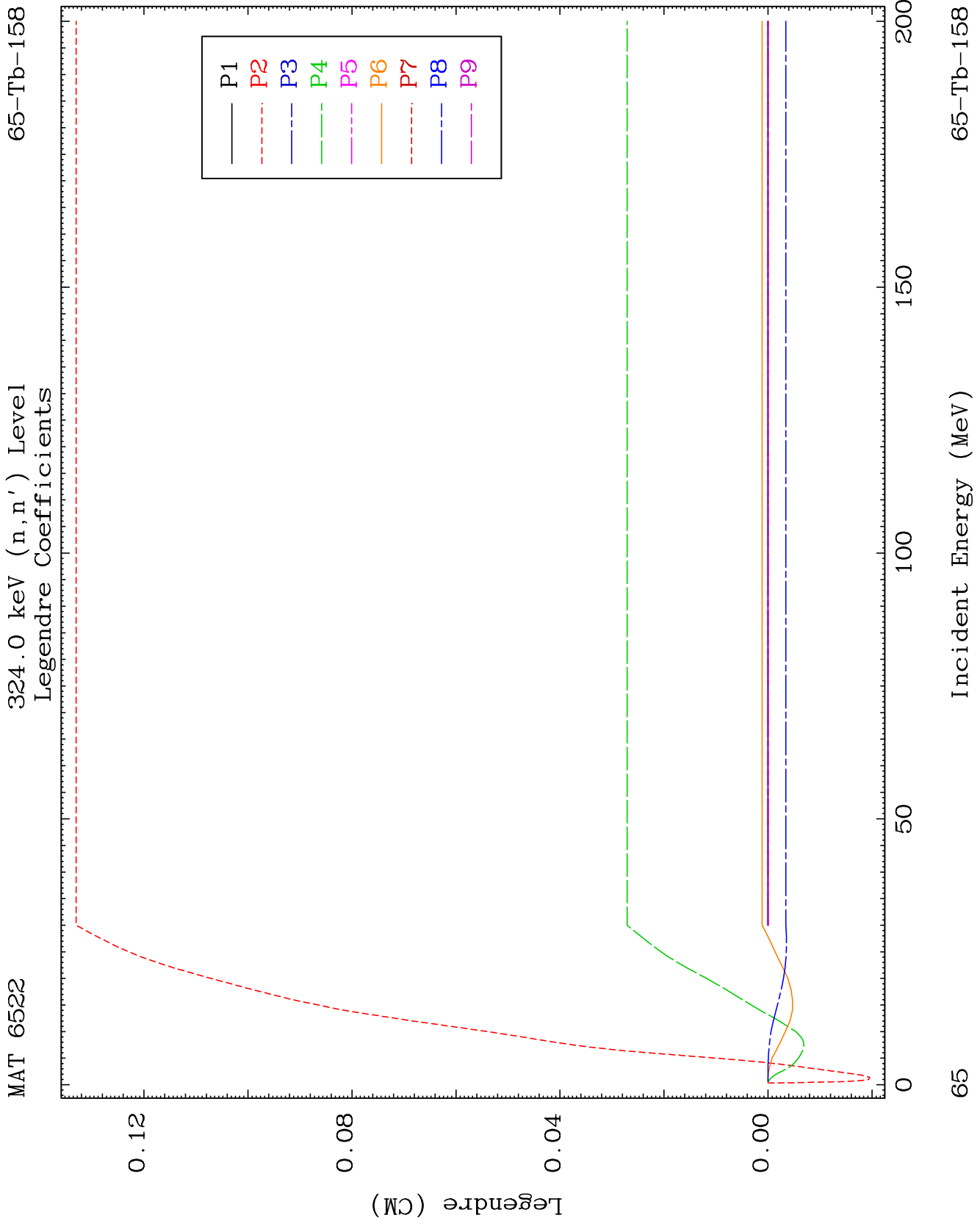
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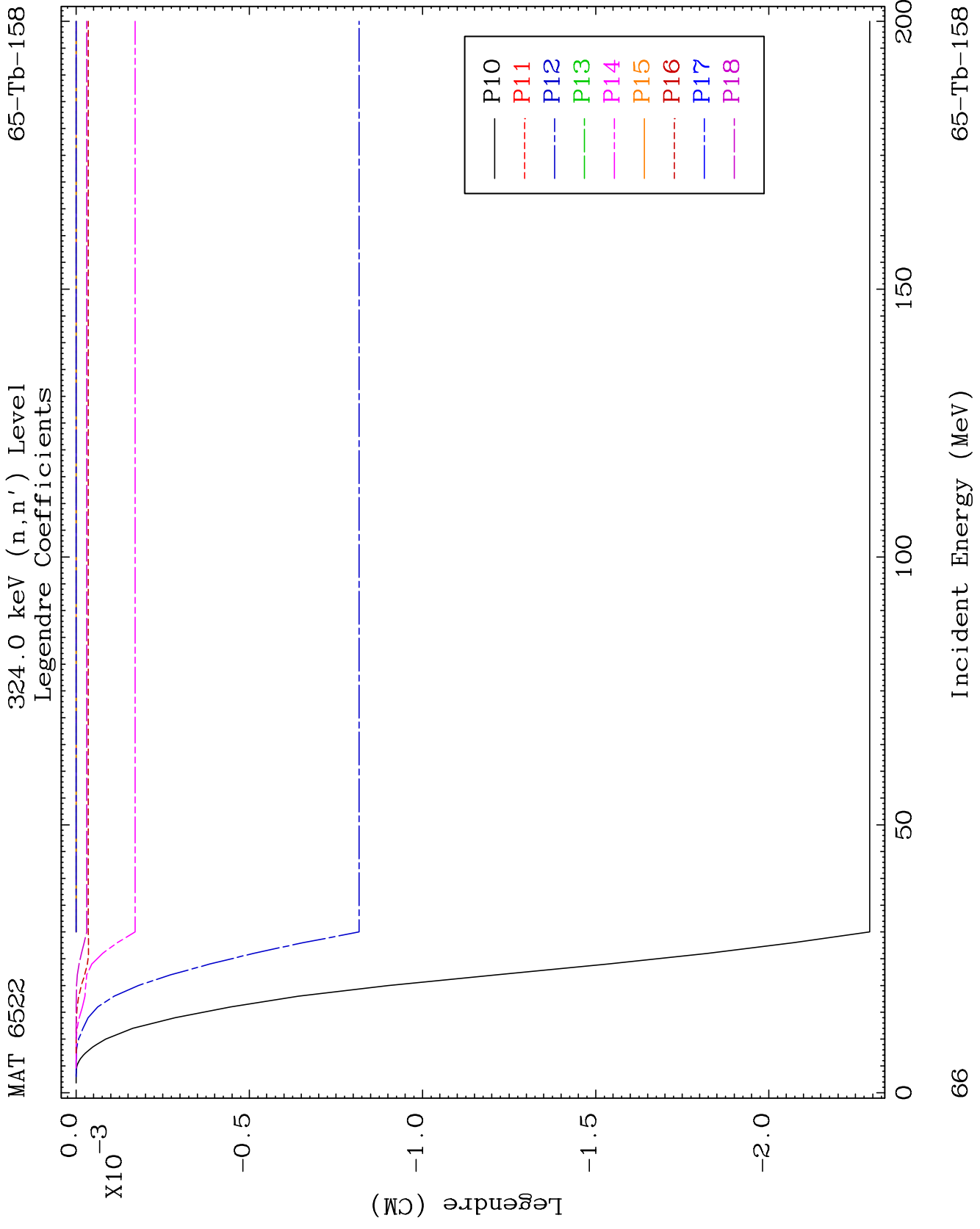


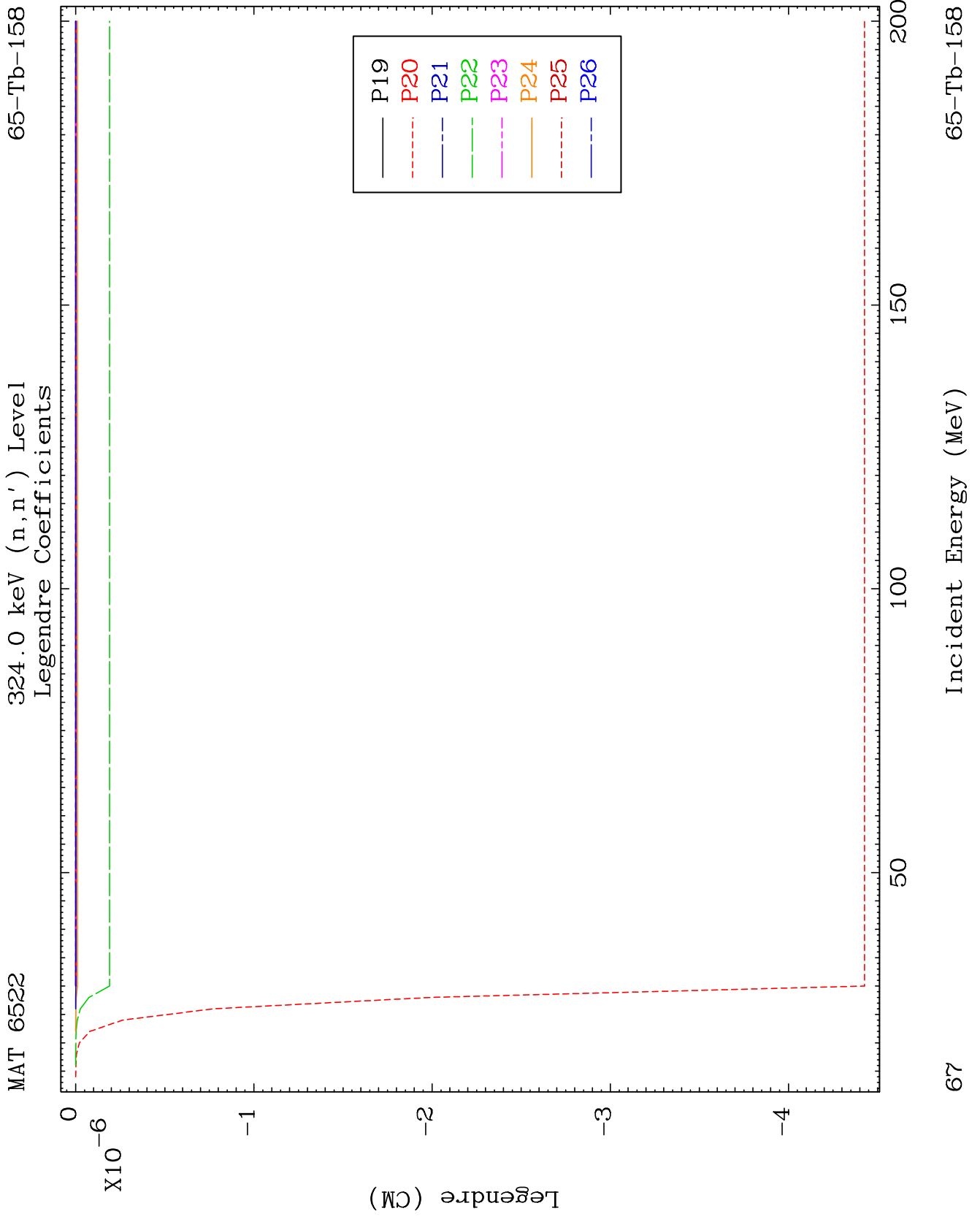
63

65-Tb-158





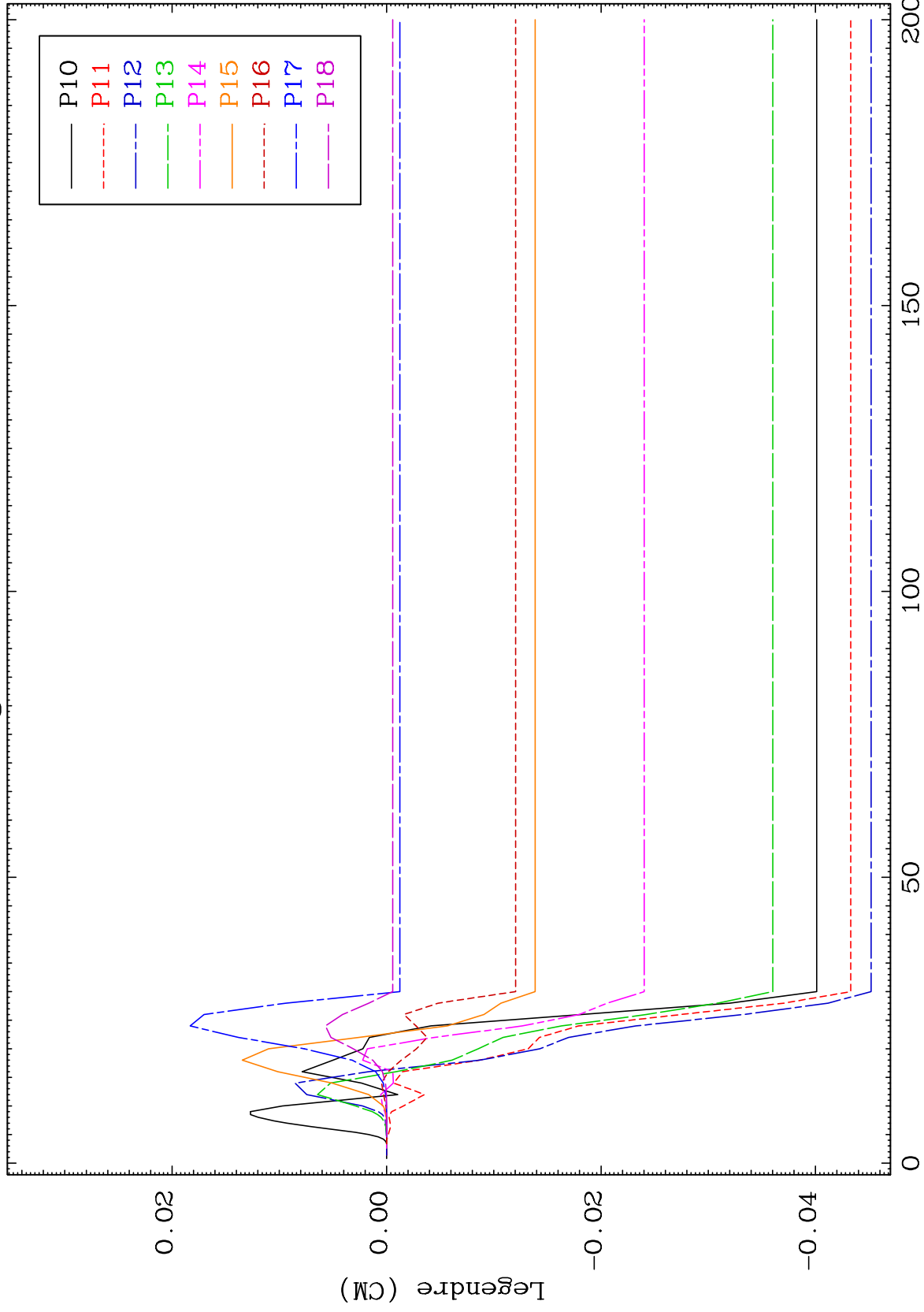




MAT 65222

338.1 keV (n,n') Level
Legendre Coefficients

65-Tb-158



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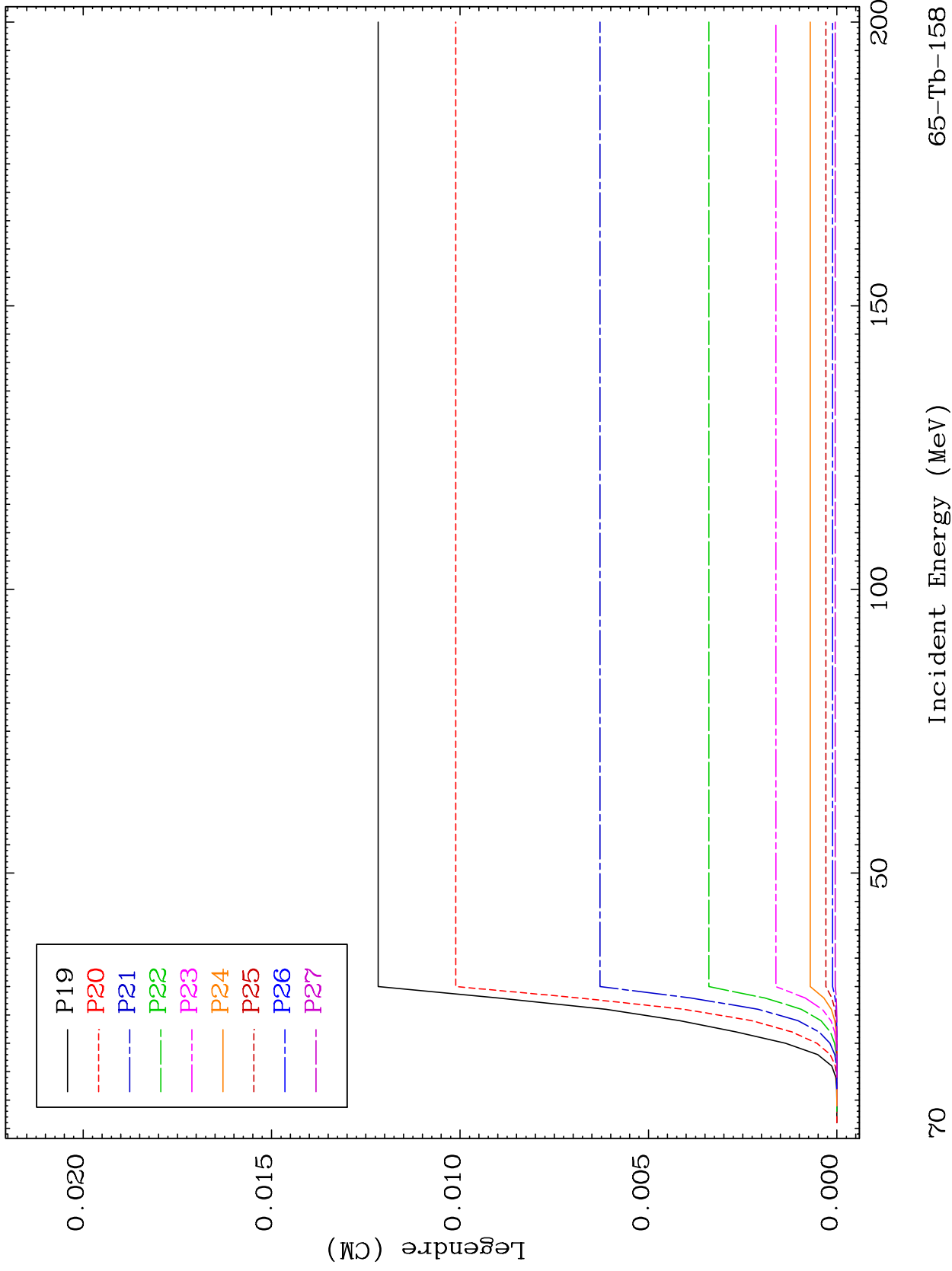
Incident Energy (MeV)

65-Tb-158

MAT 65222

338.1 keV (n,n') Level
Legendre Coefficients

65-Tb-158



70

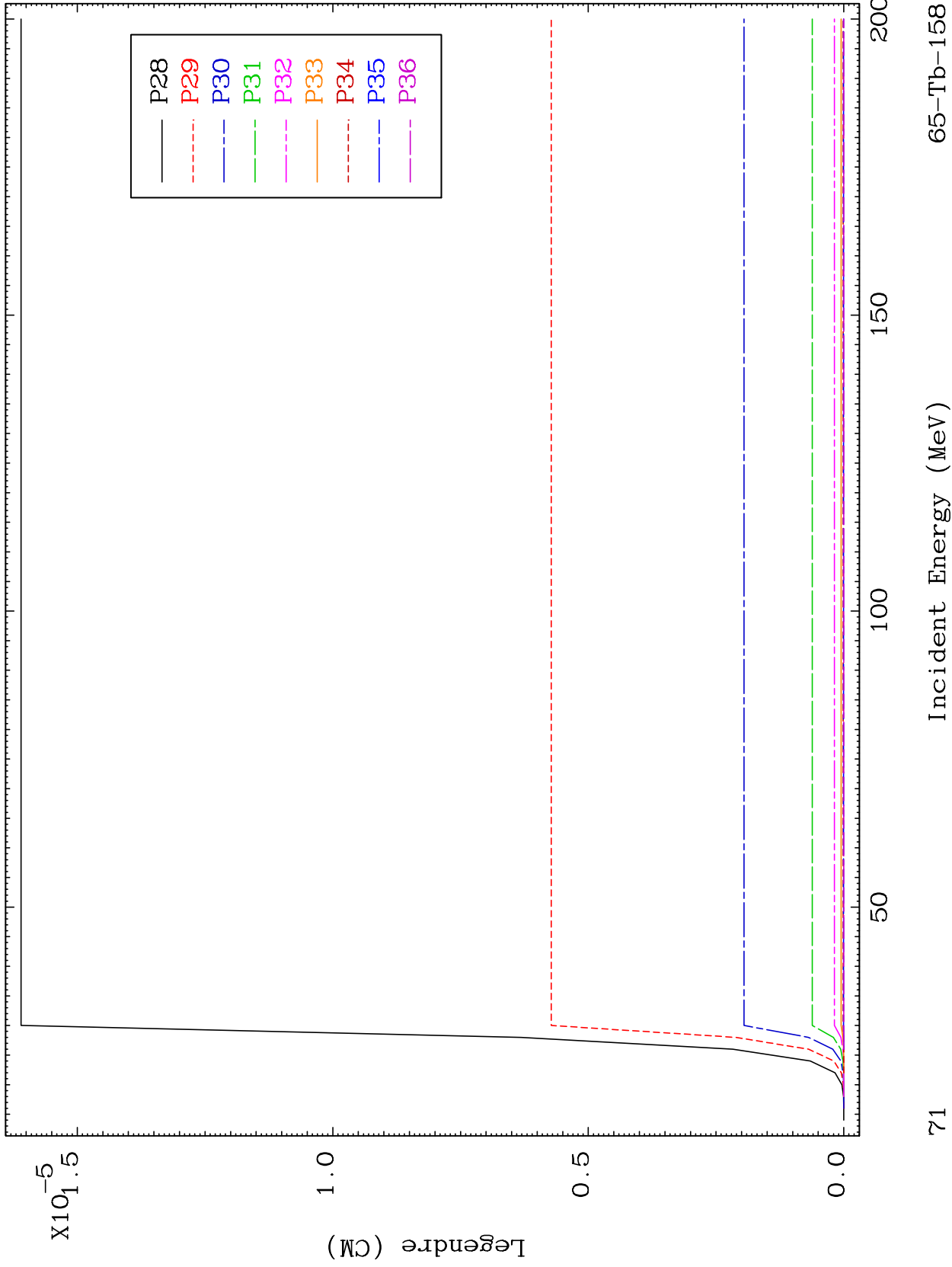
Incident Energy (MeV)

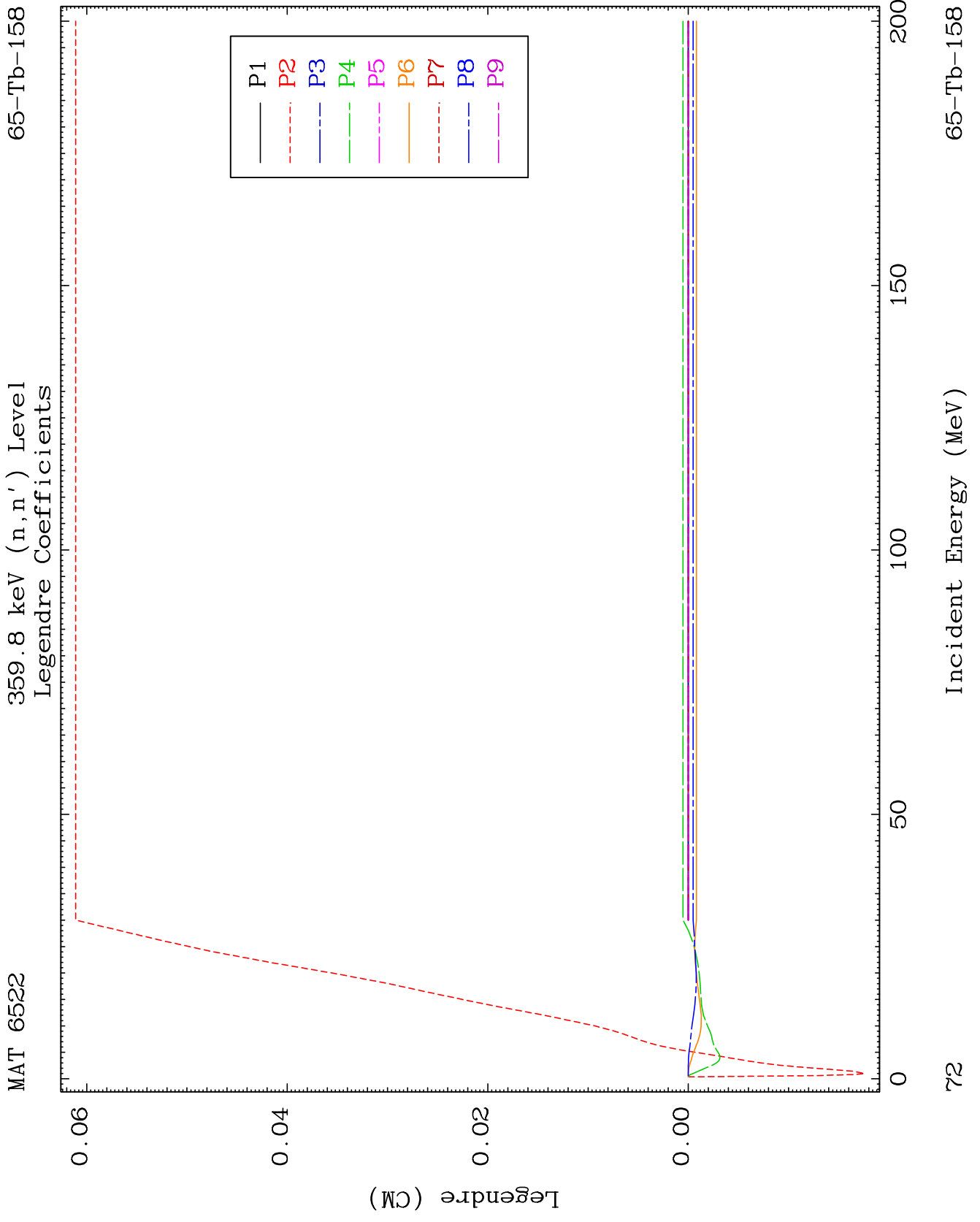
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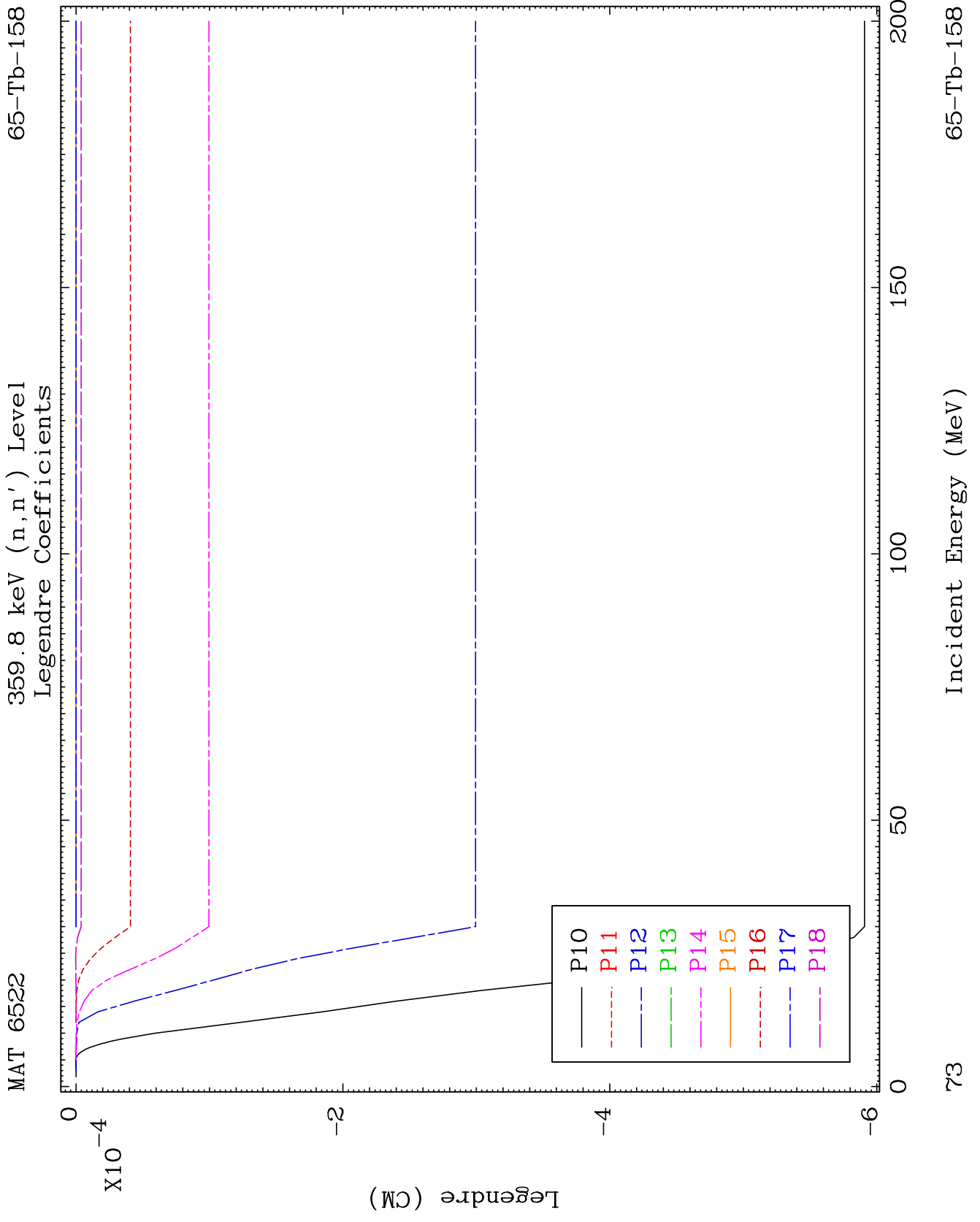
MAT 6522

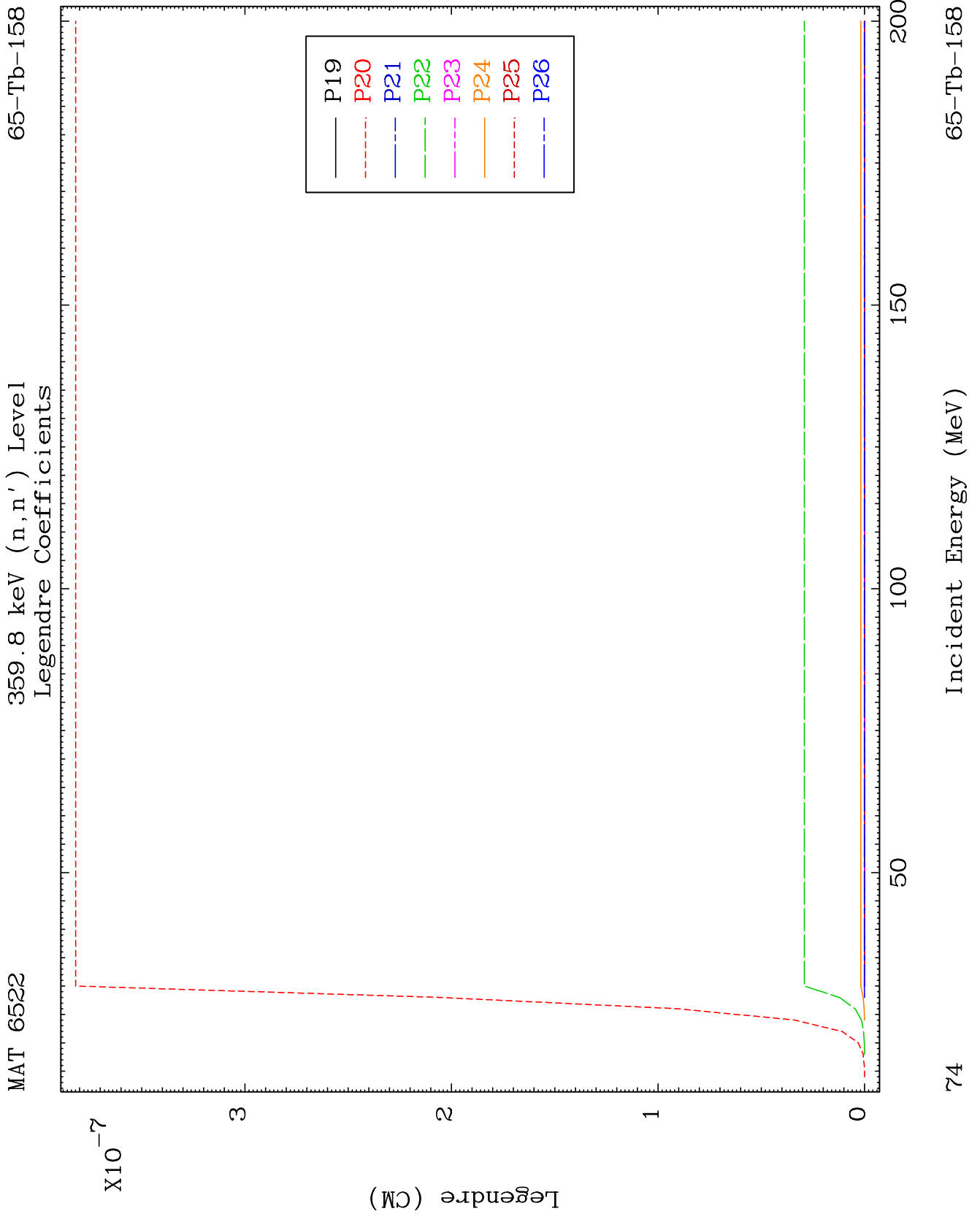
338.1 keV (n,n') Level
Legendre Coefficients

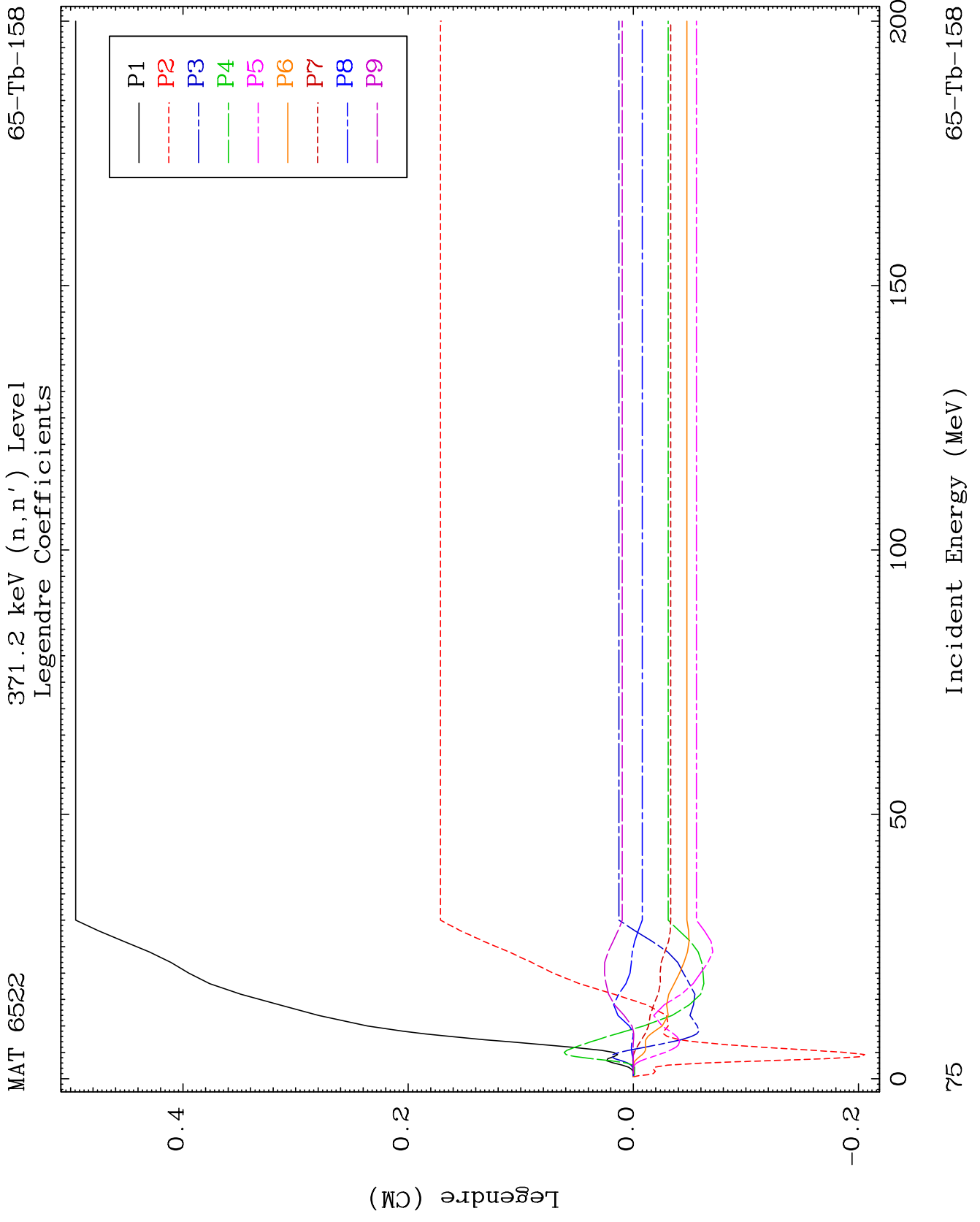
65-Tb-158







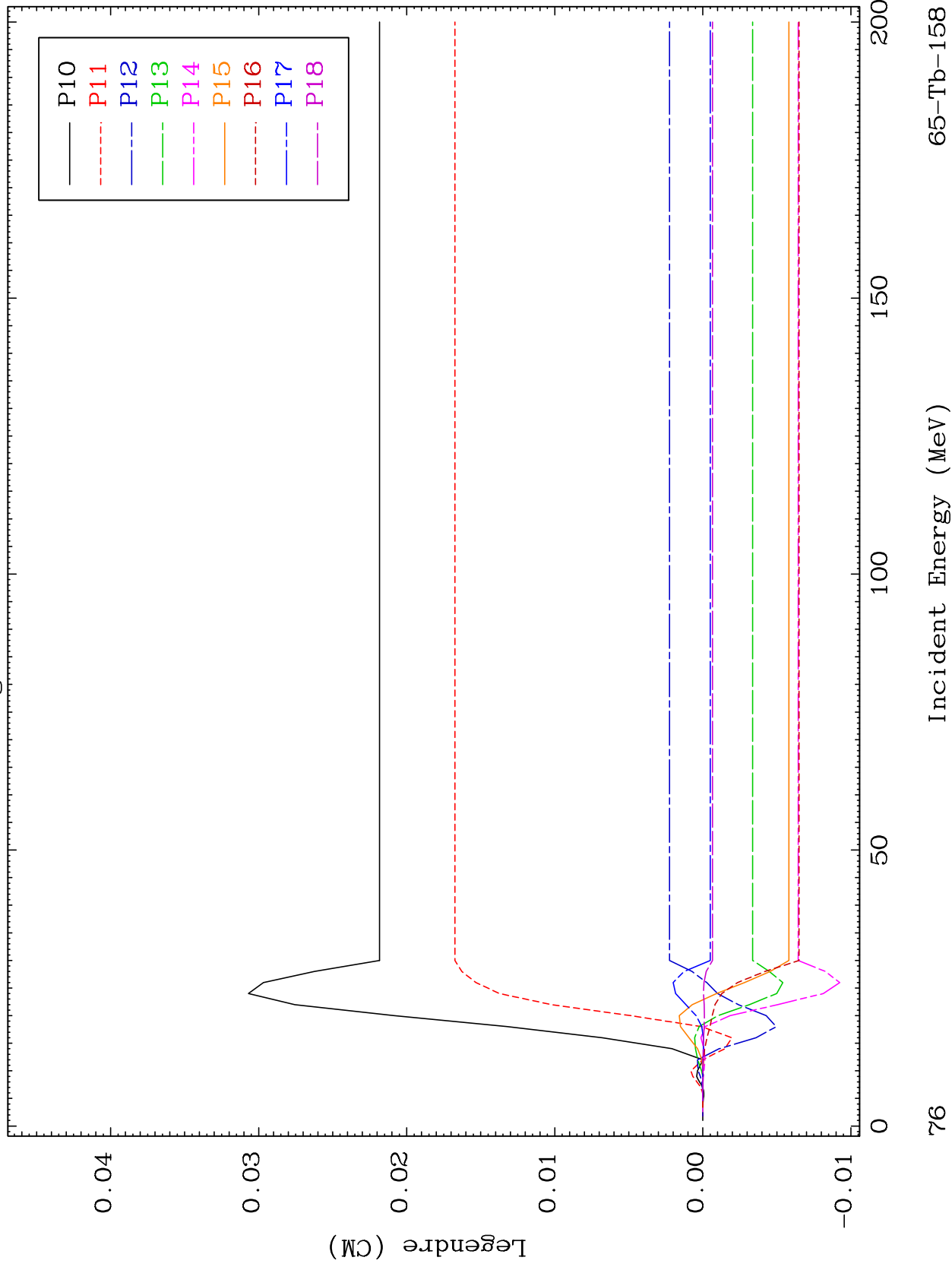




MAT 6522

371.2 keV (n,n') Level
Legendre Coefficients

65-Tb-158



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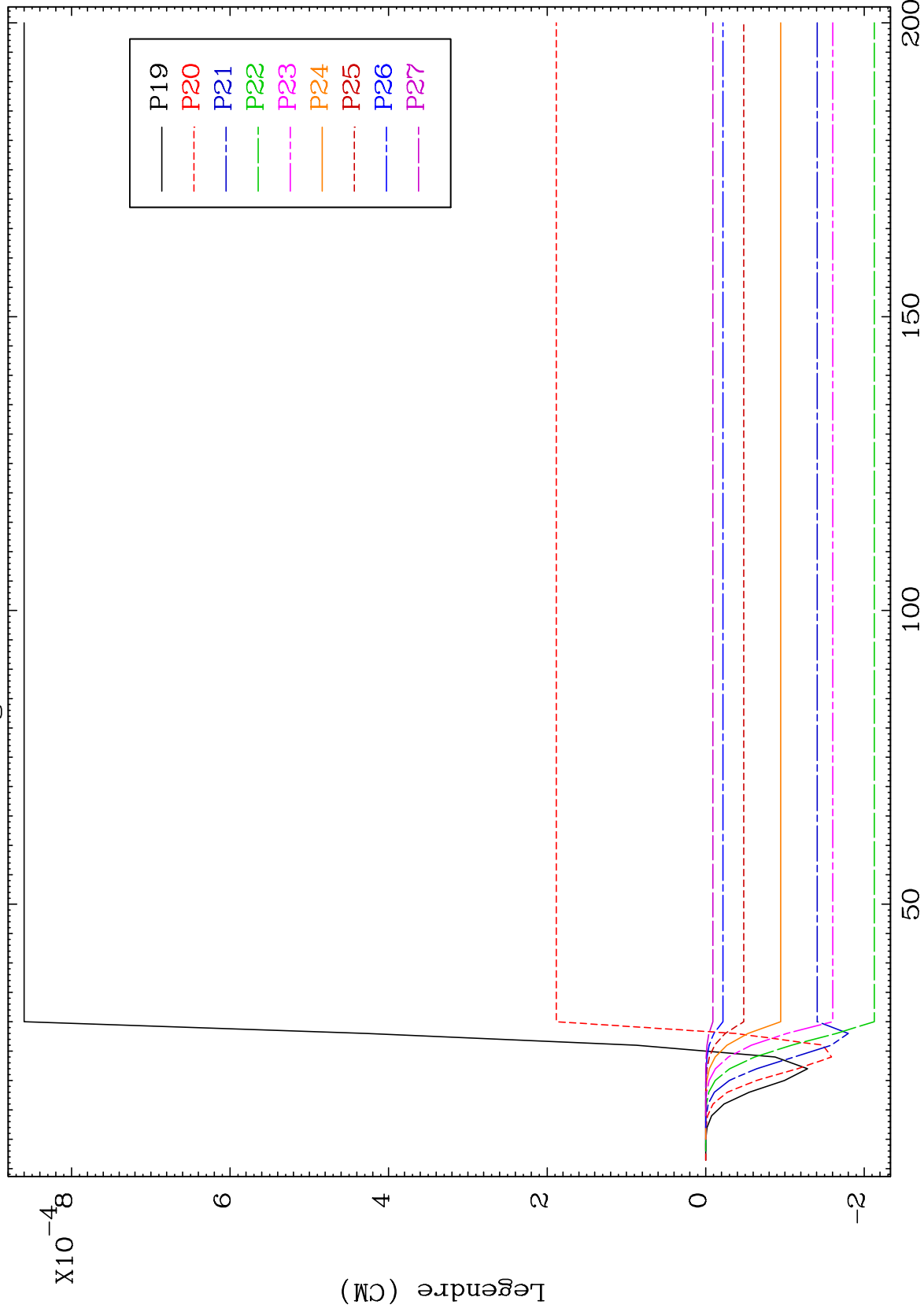
Incident Energy (MeV)

65-Tb-158

MAT 6522

371.2 keV (n,n') Level
Legendre Coefficients

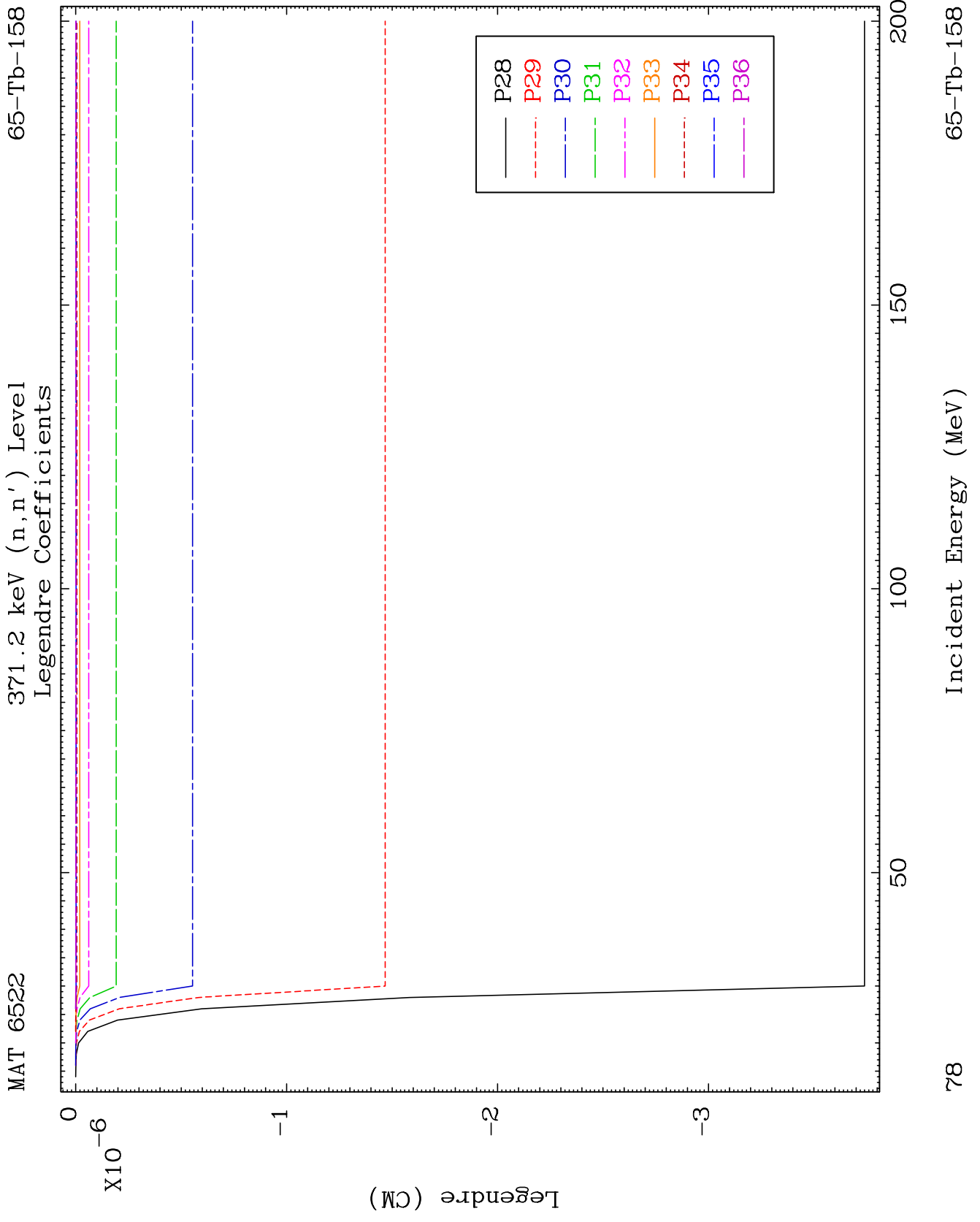
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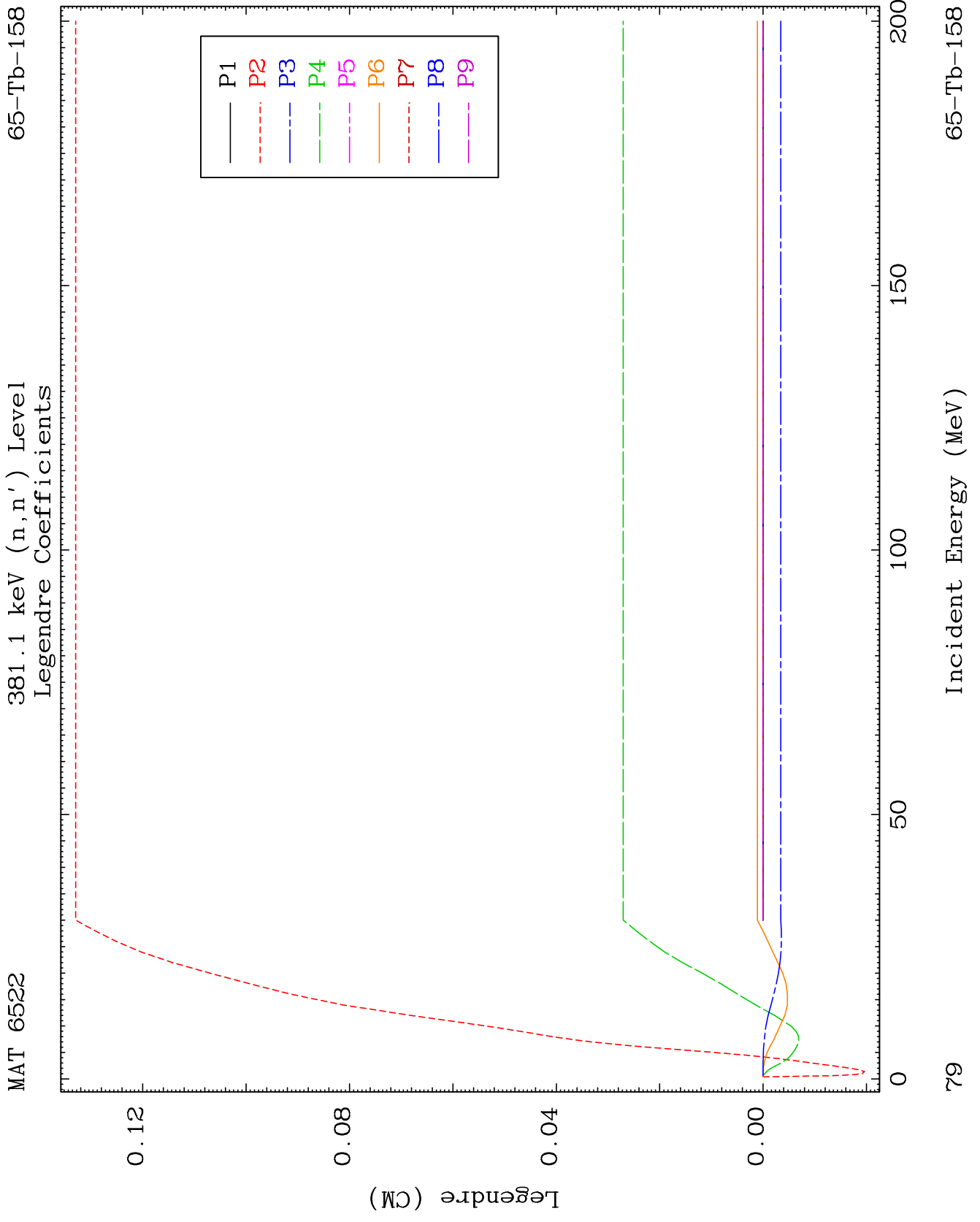


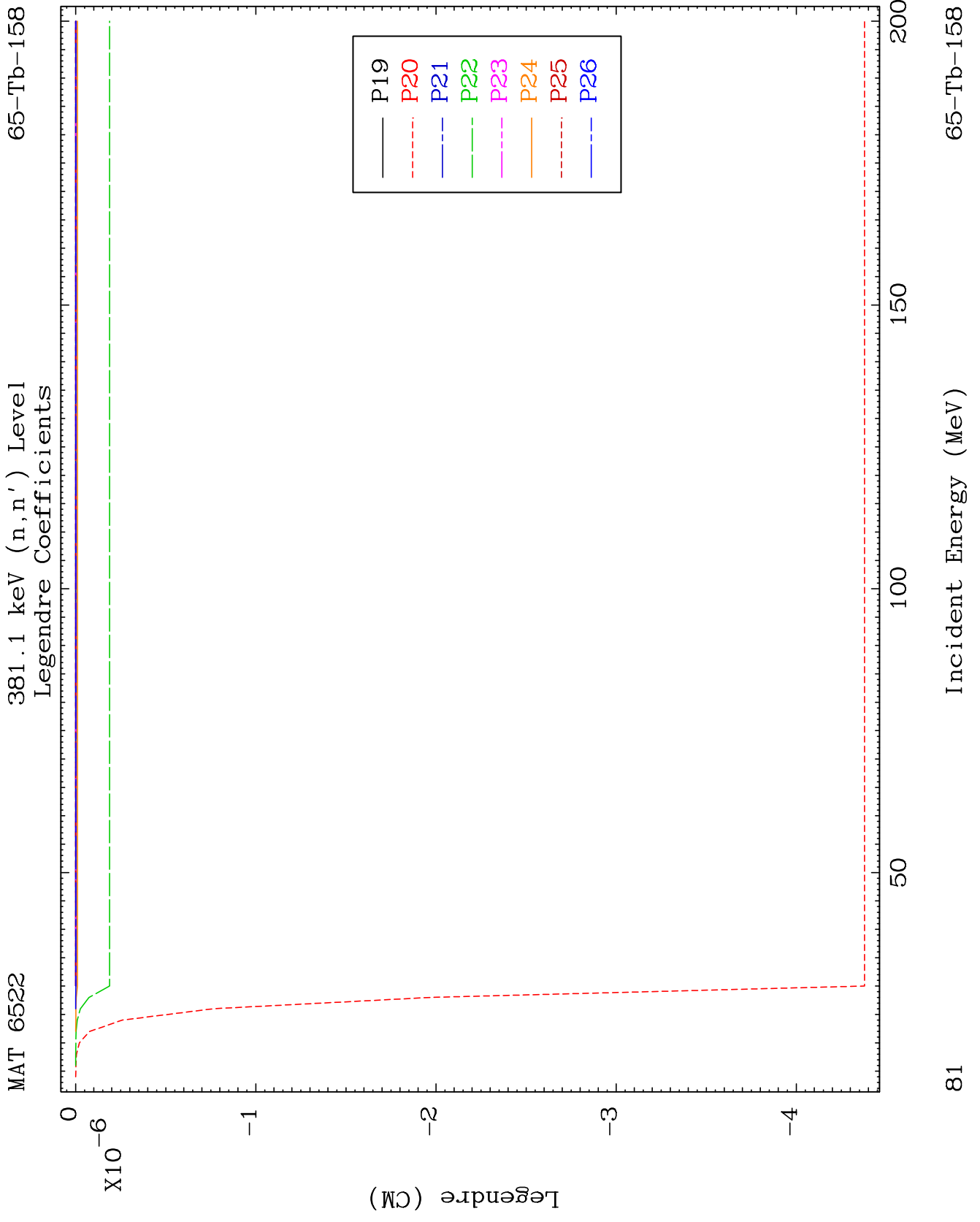
77

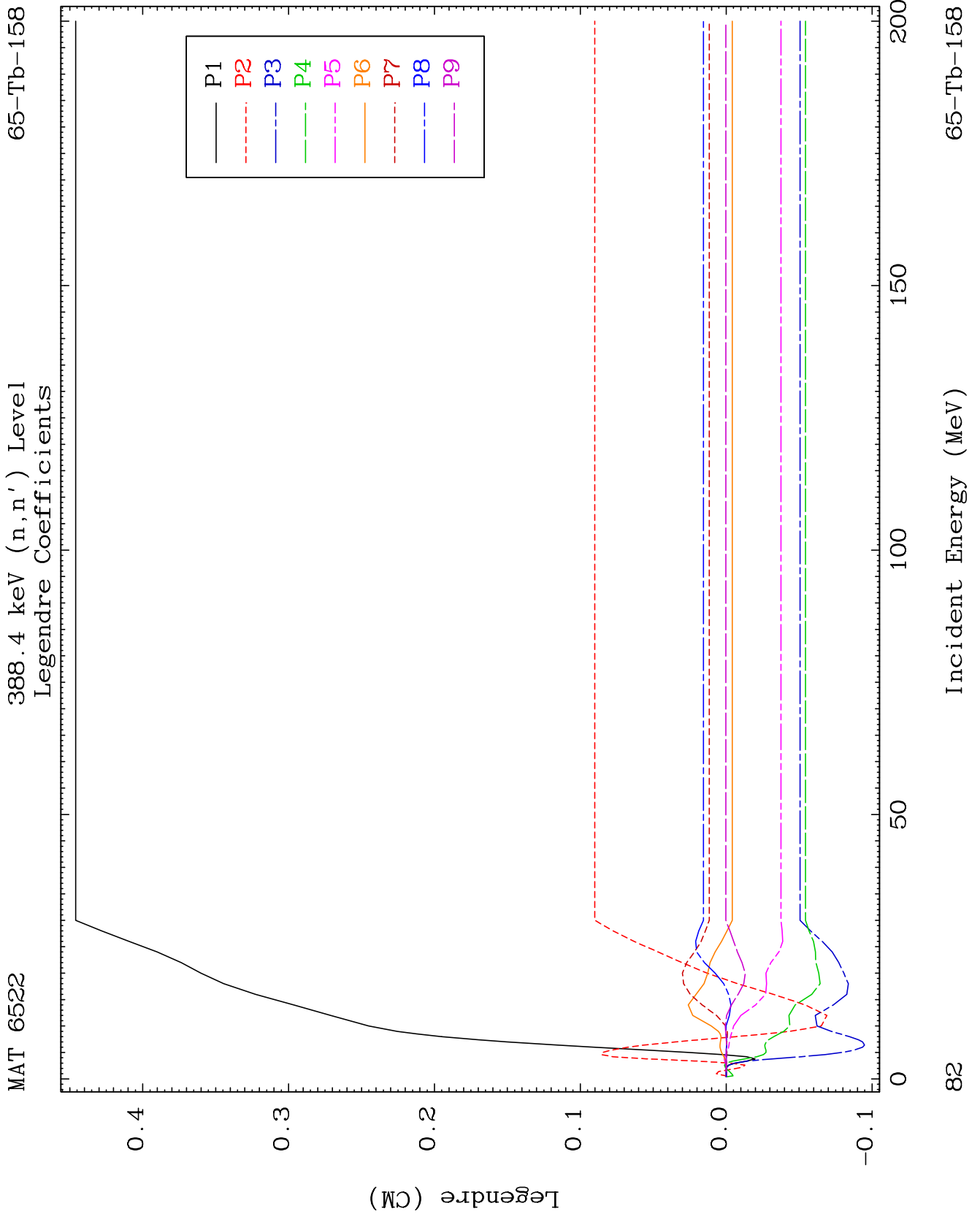
65-Tb-158

65-Tb-158





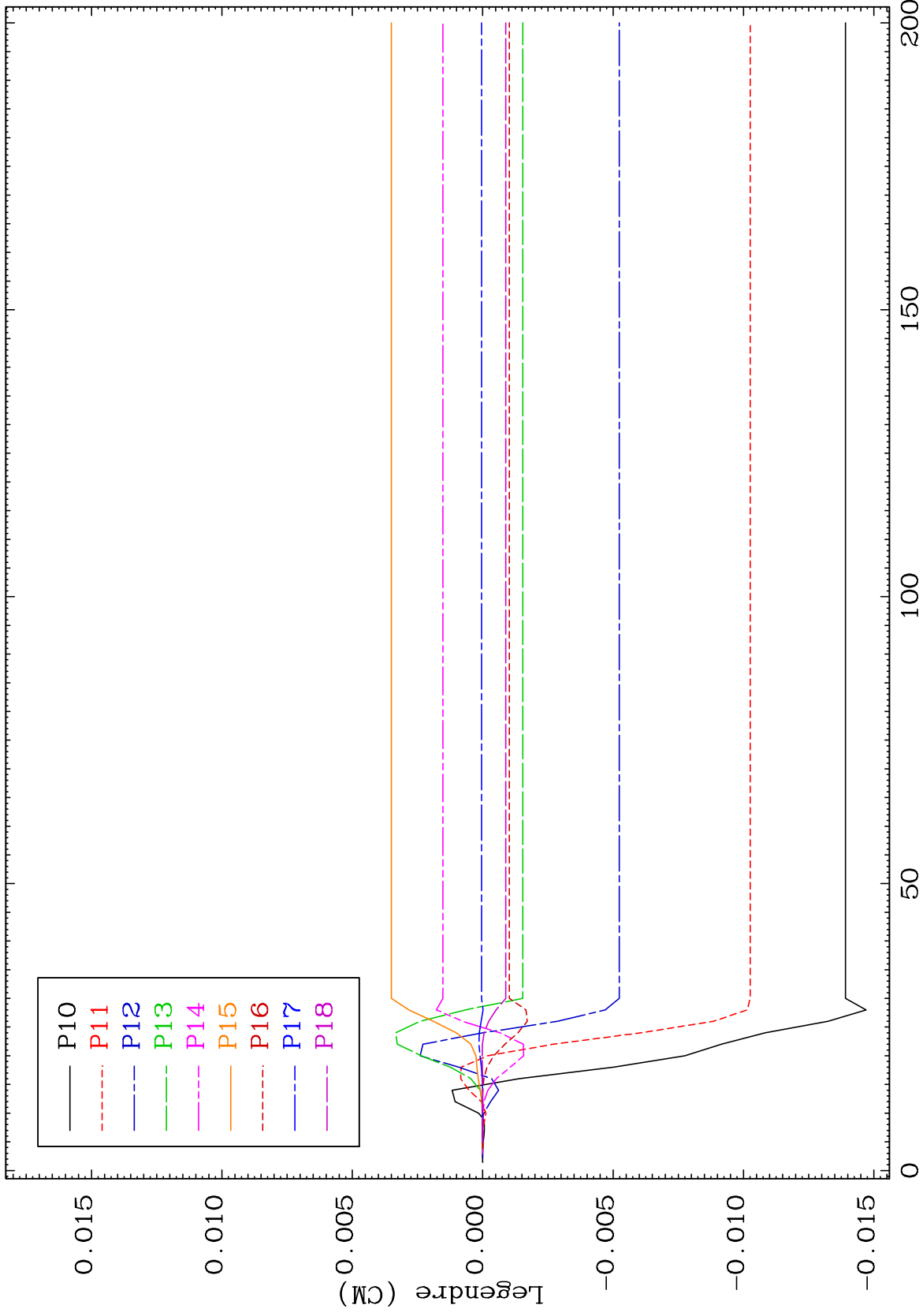




MAT 65222

388.4 keV (n,n') Level
Legendre Coefficients

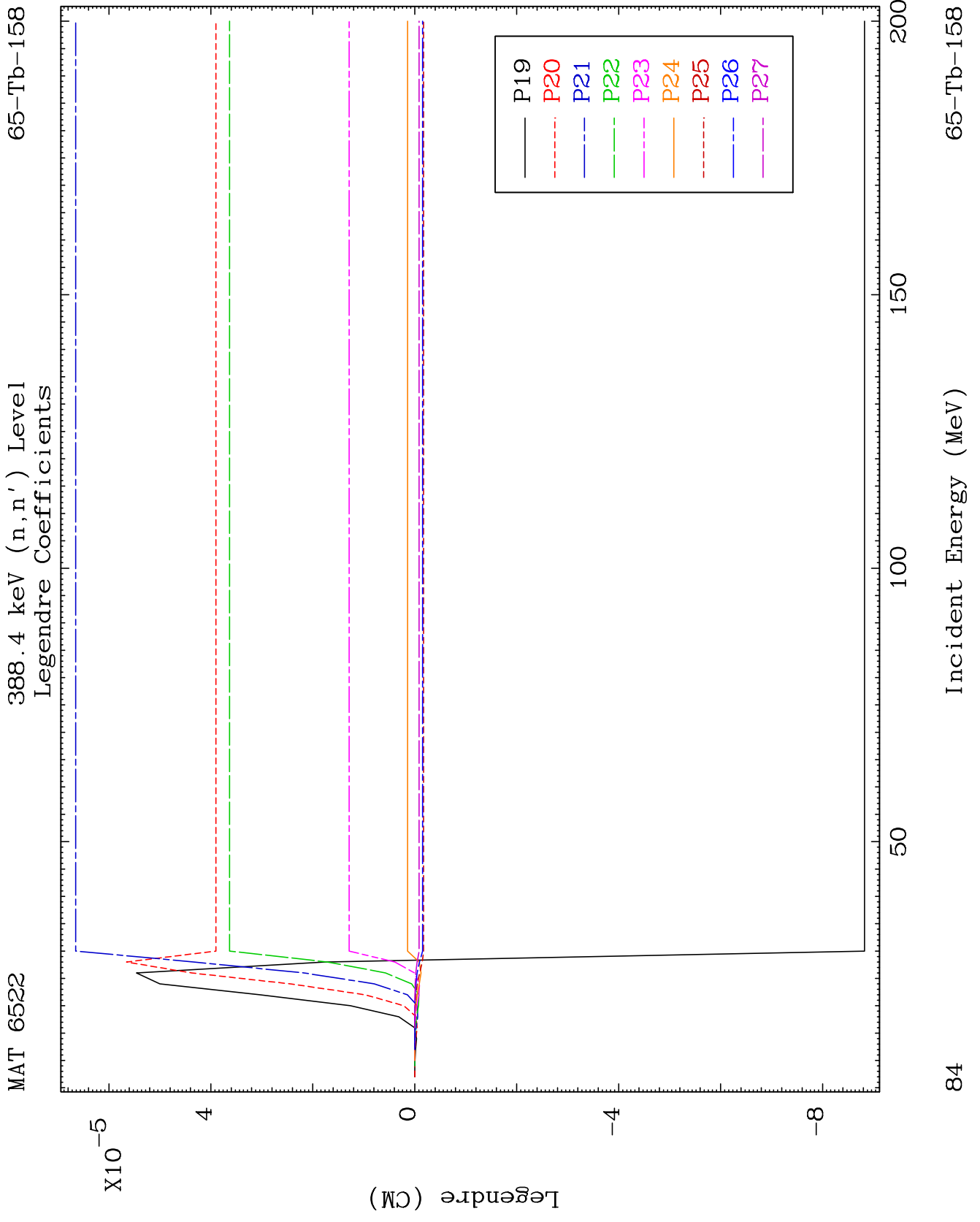
65-Tb-158

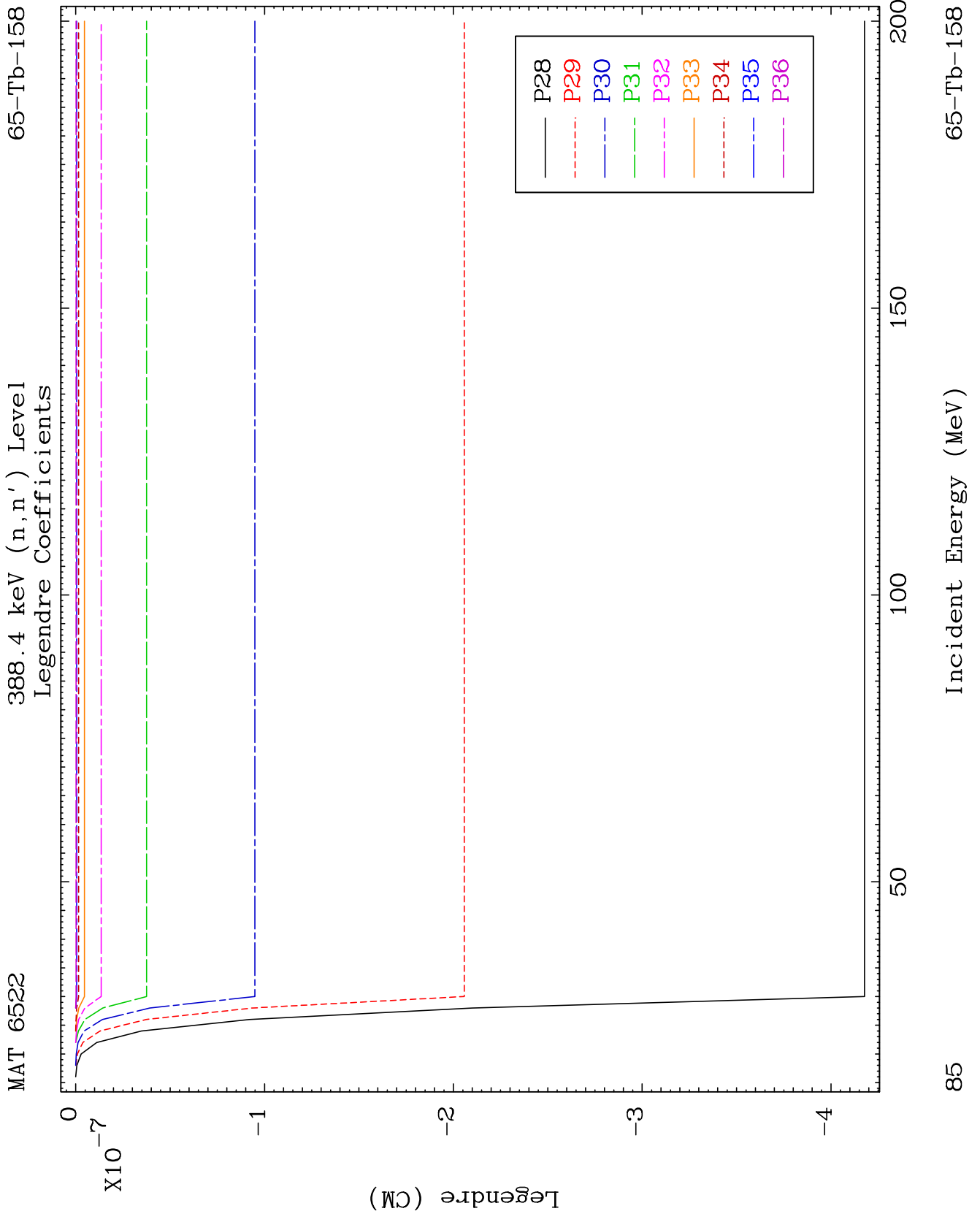


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Incident Energy (MeV)

65-Tb-158

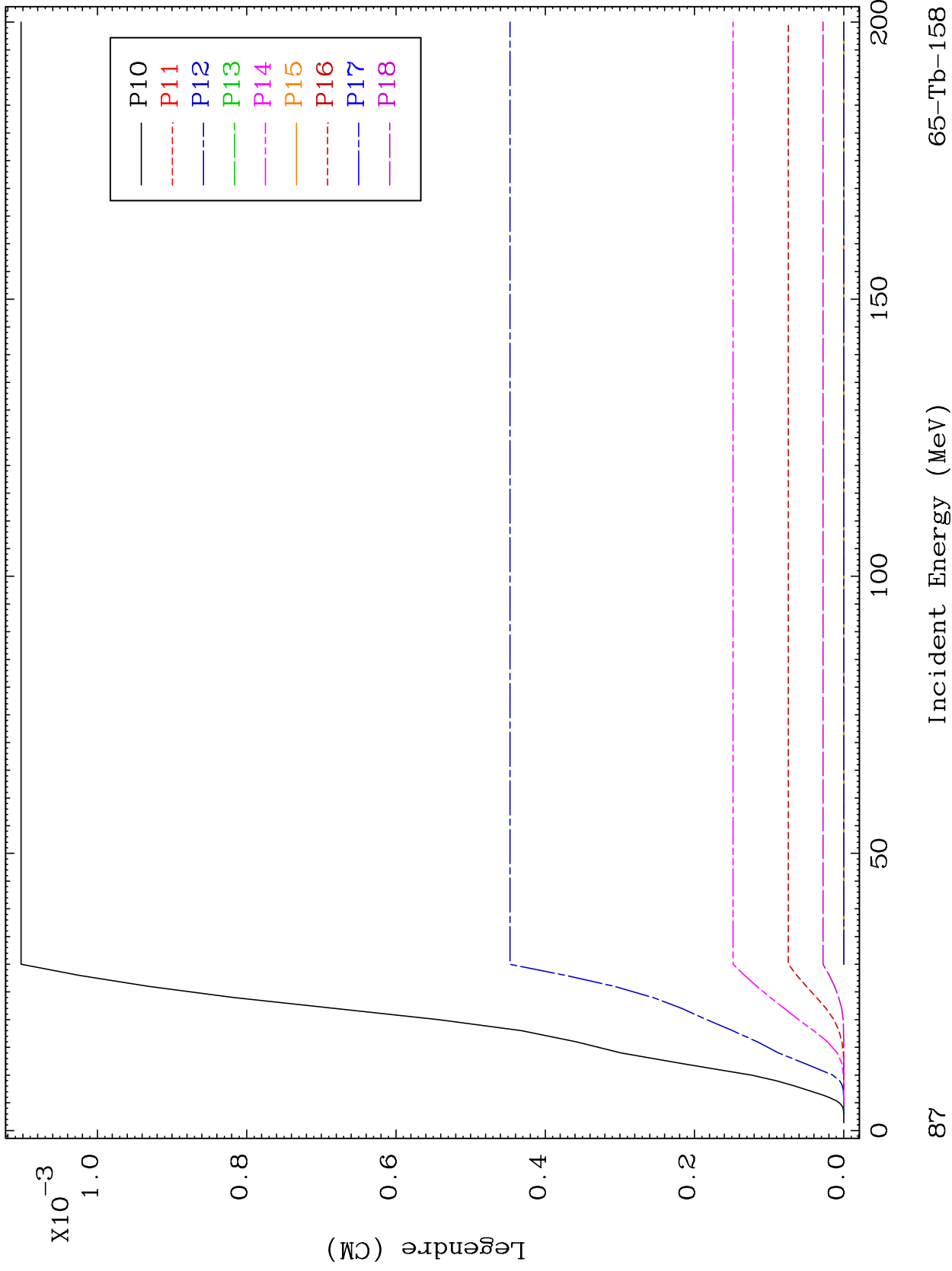




MAT 65222

406.0 keV (n,n') Level
Legendre Coefficients

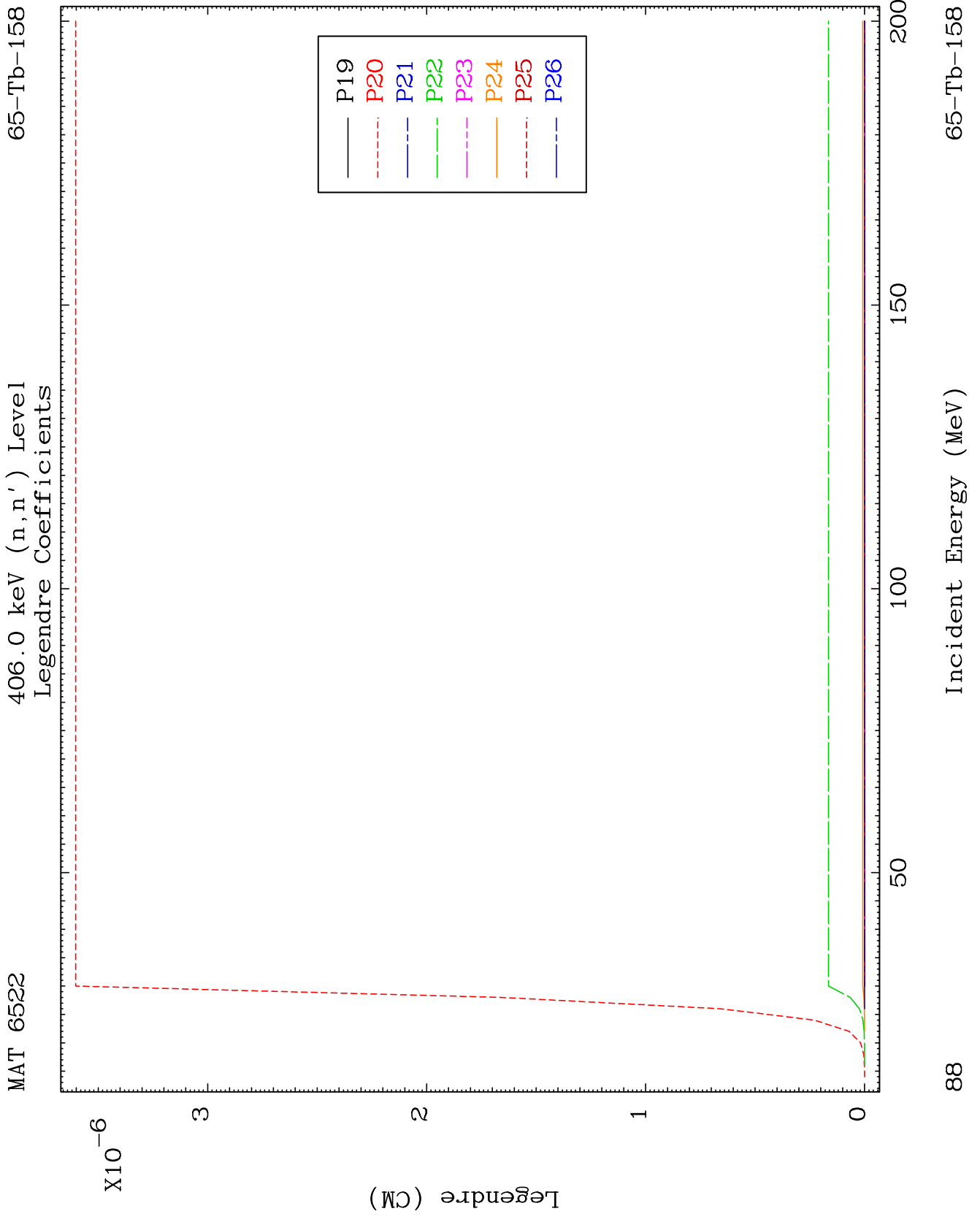
65-Tb-158

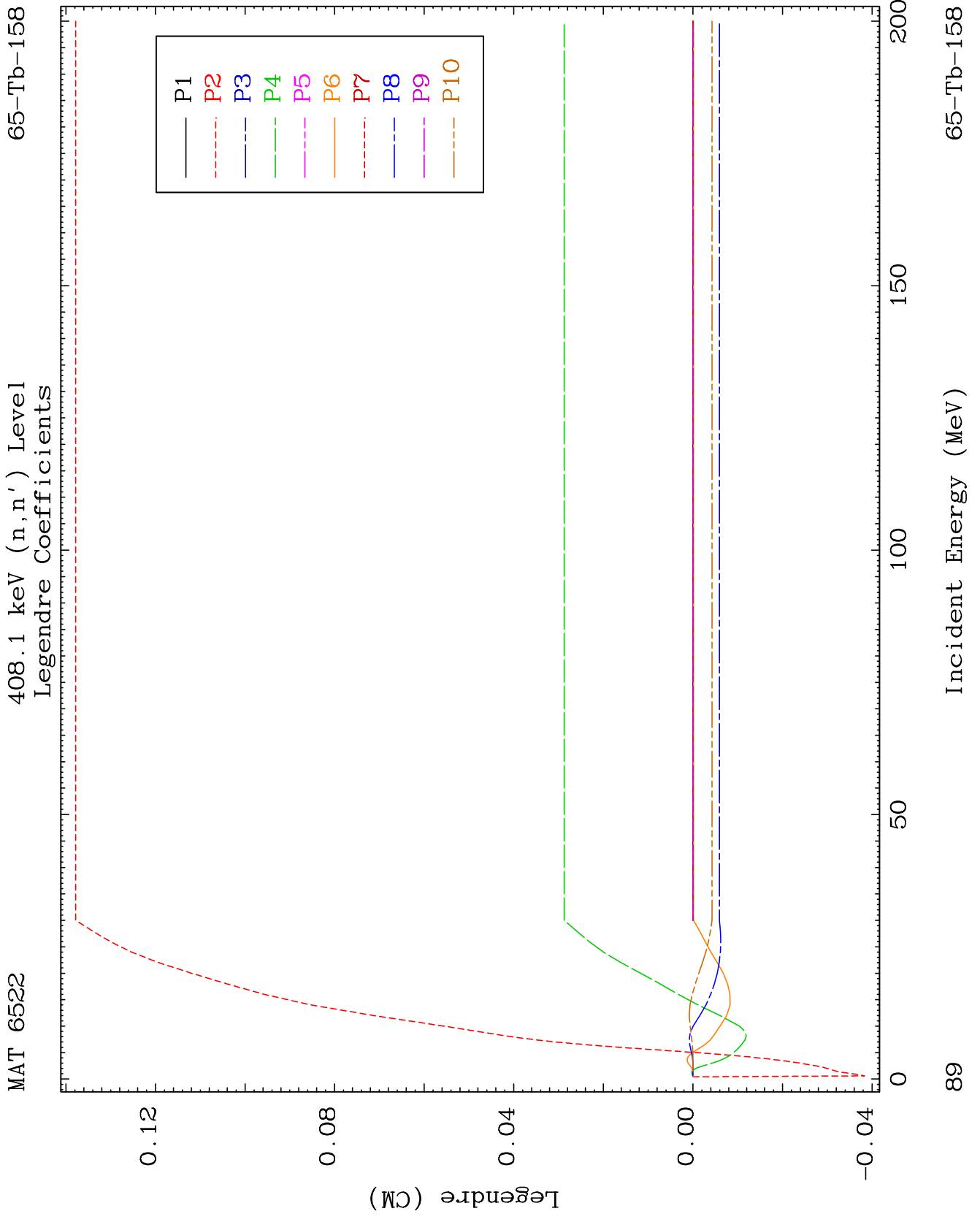


87

Incident Energy (MeV)

65-Tb-158

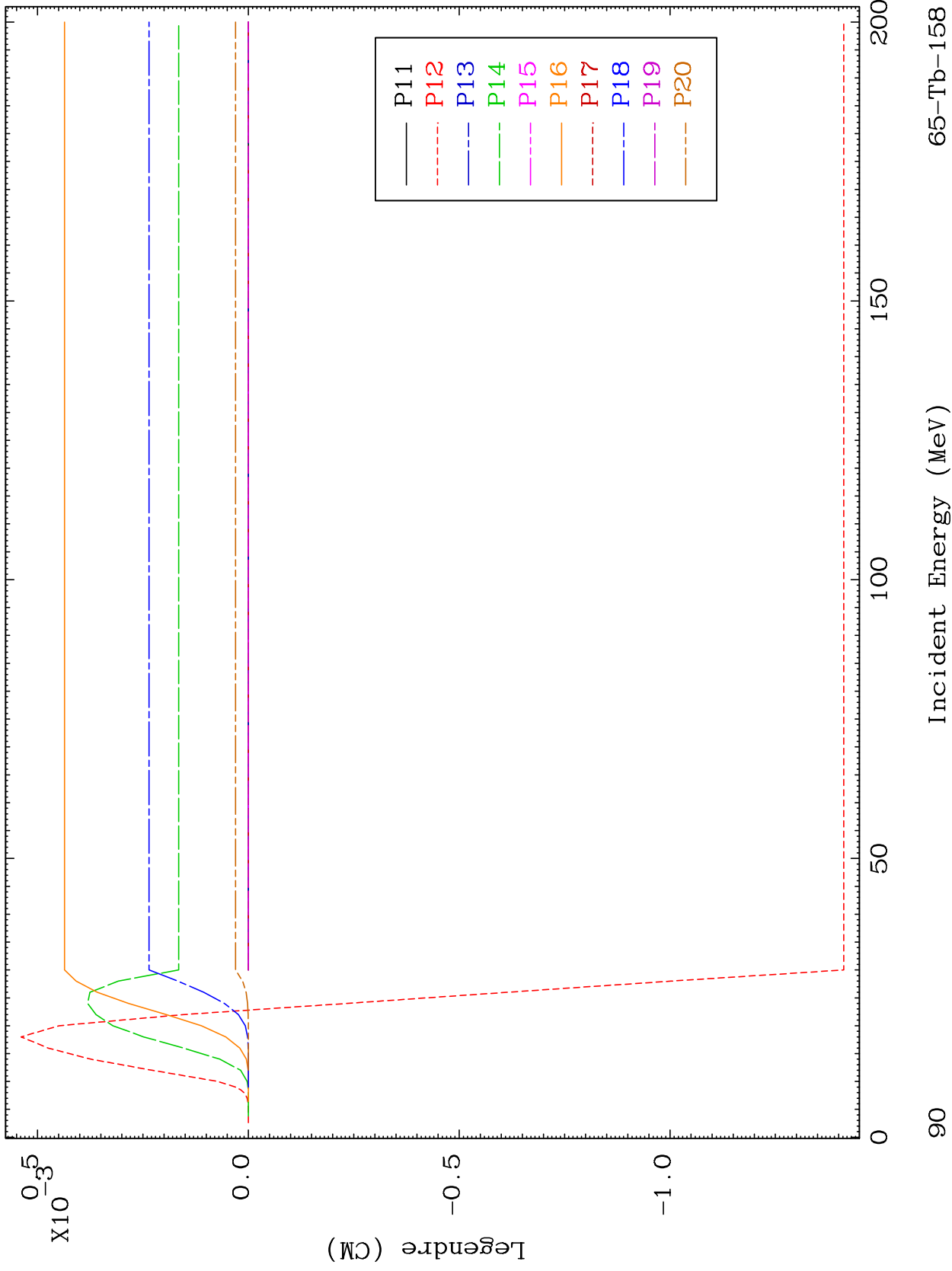




MAT 65222

408.1 keV (n,n') Level
Legendre Coefficients

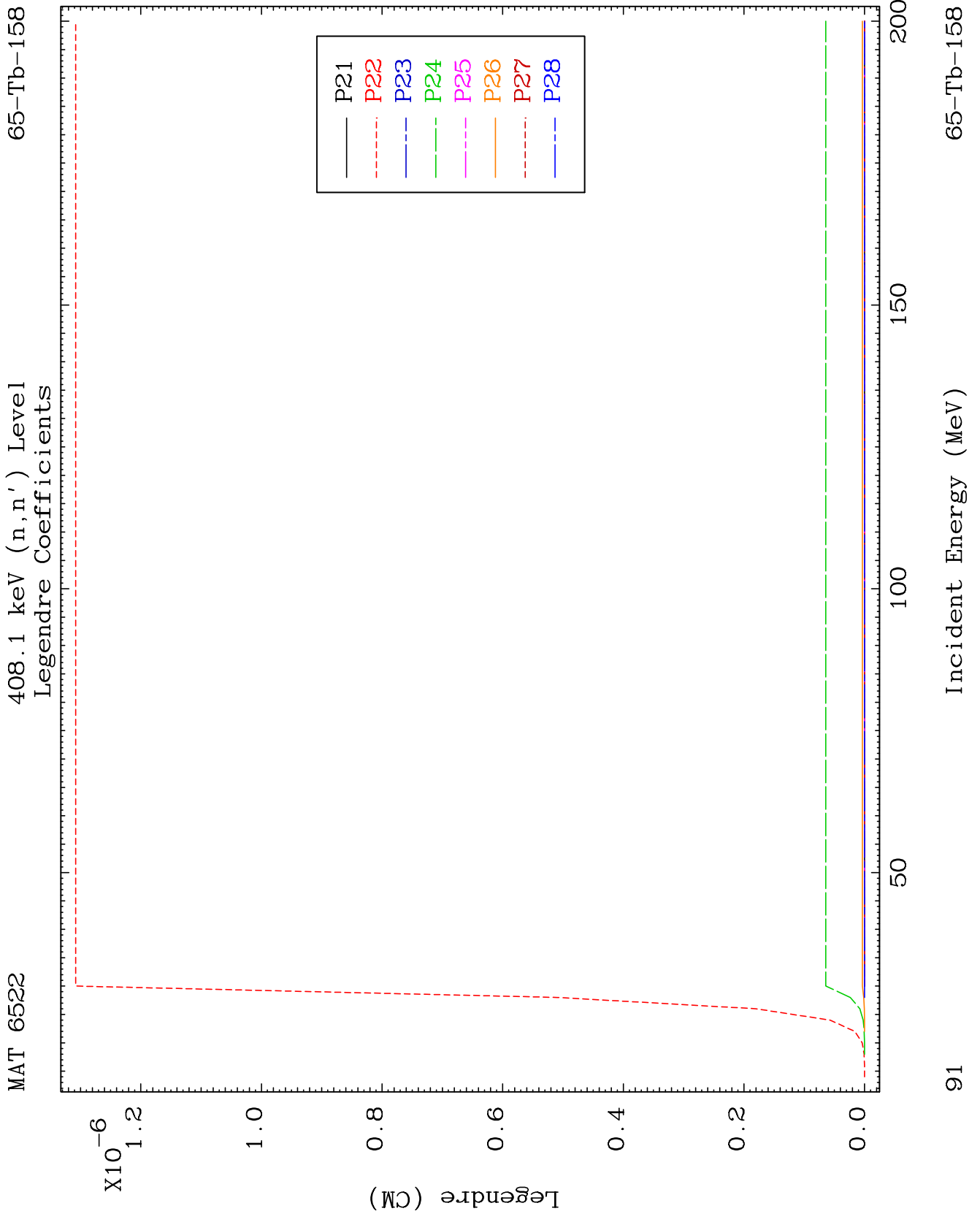
65-Tb-158

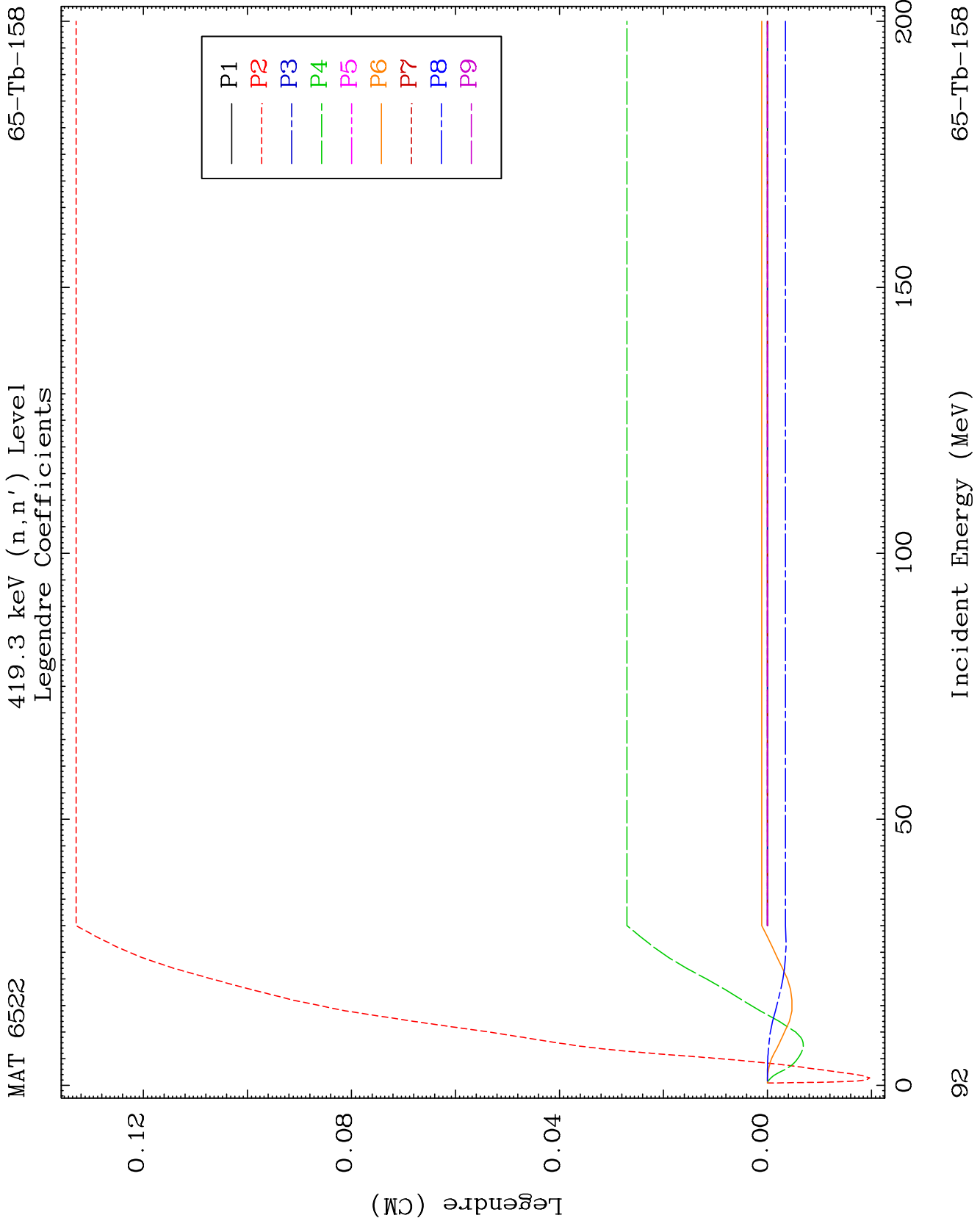


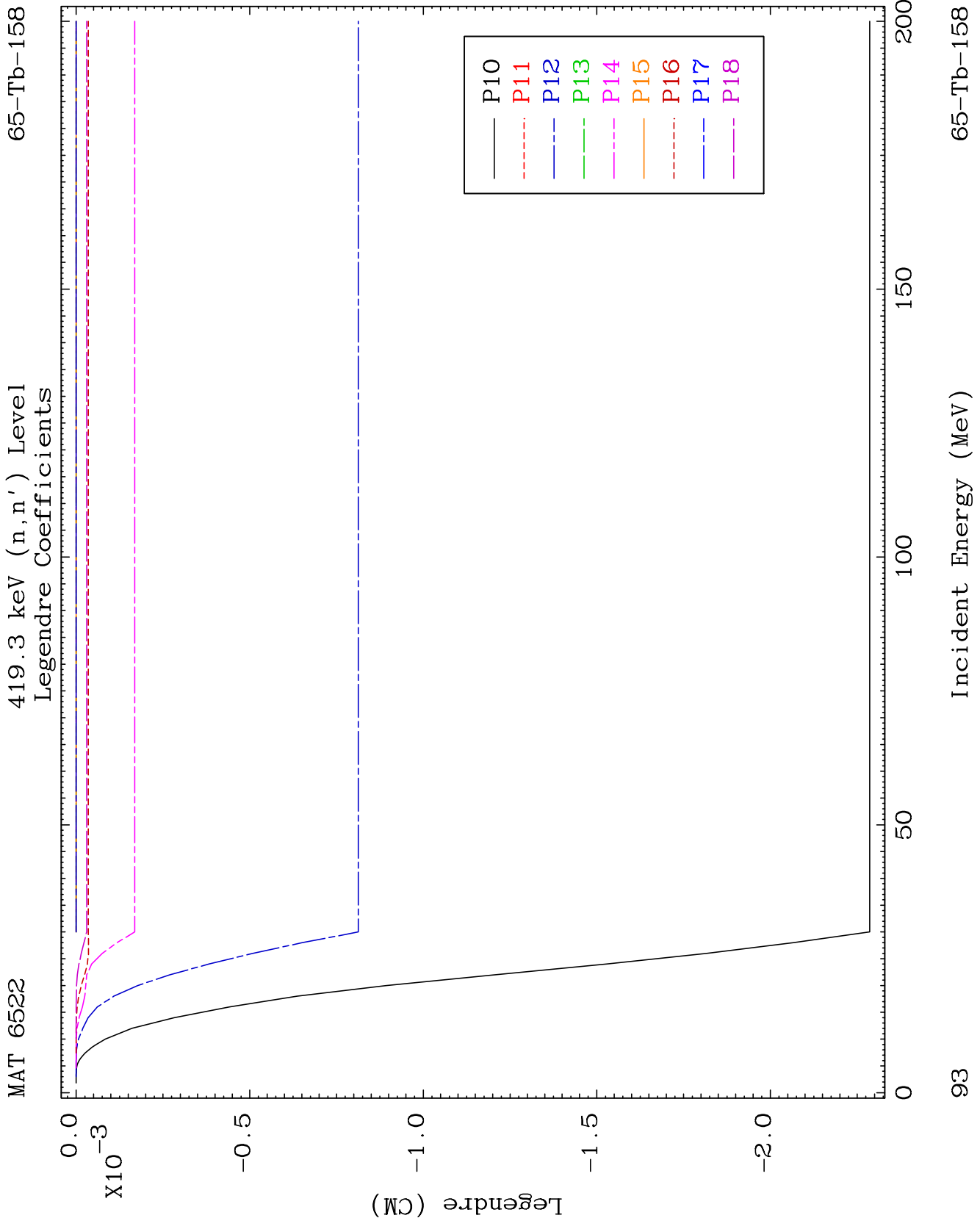
65-Tb-158

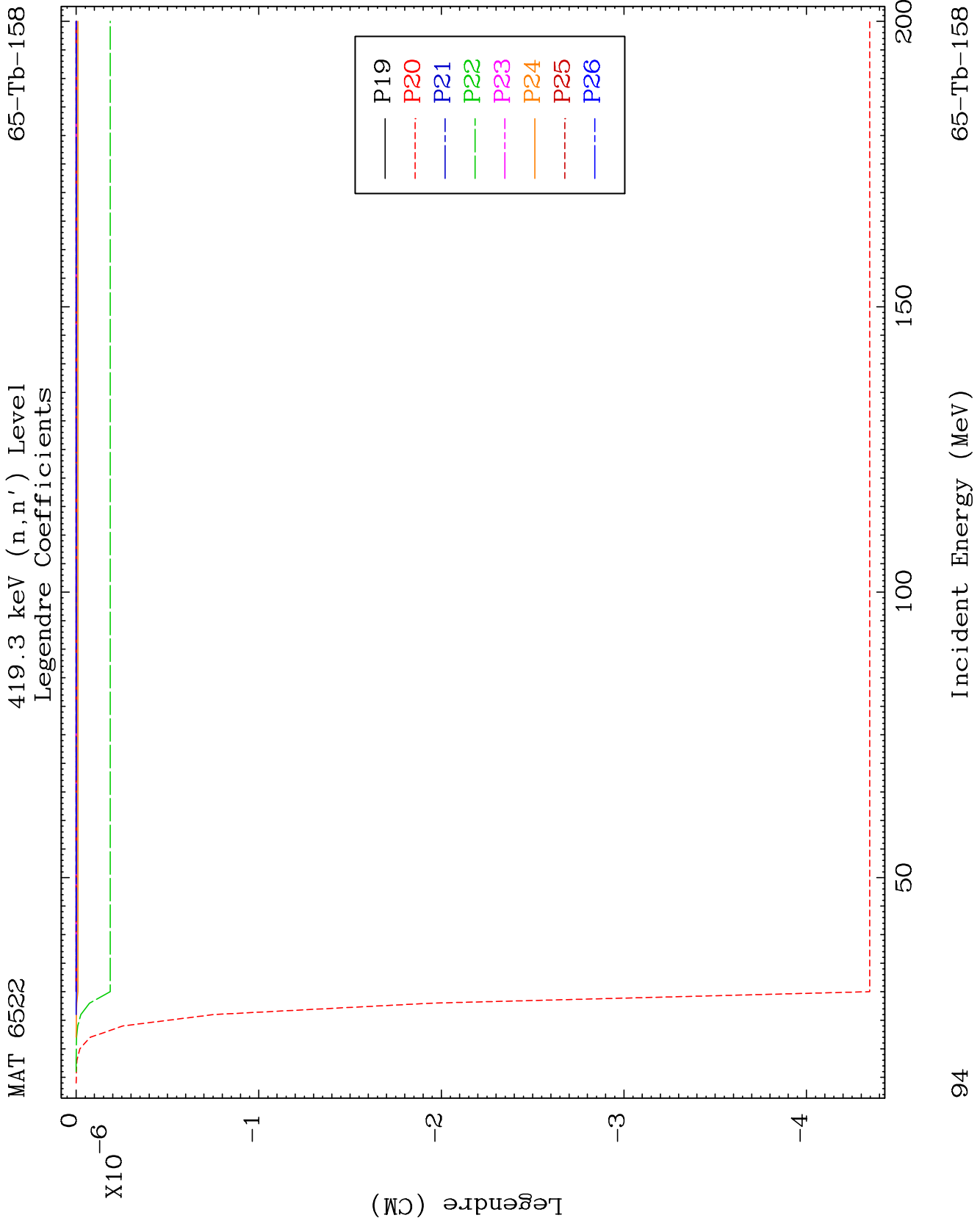
Incident Energy (MeV)

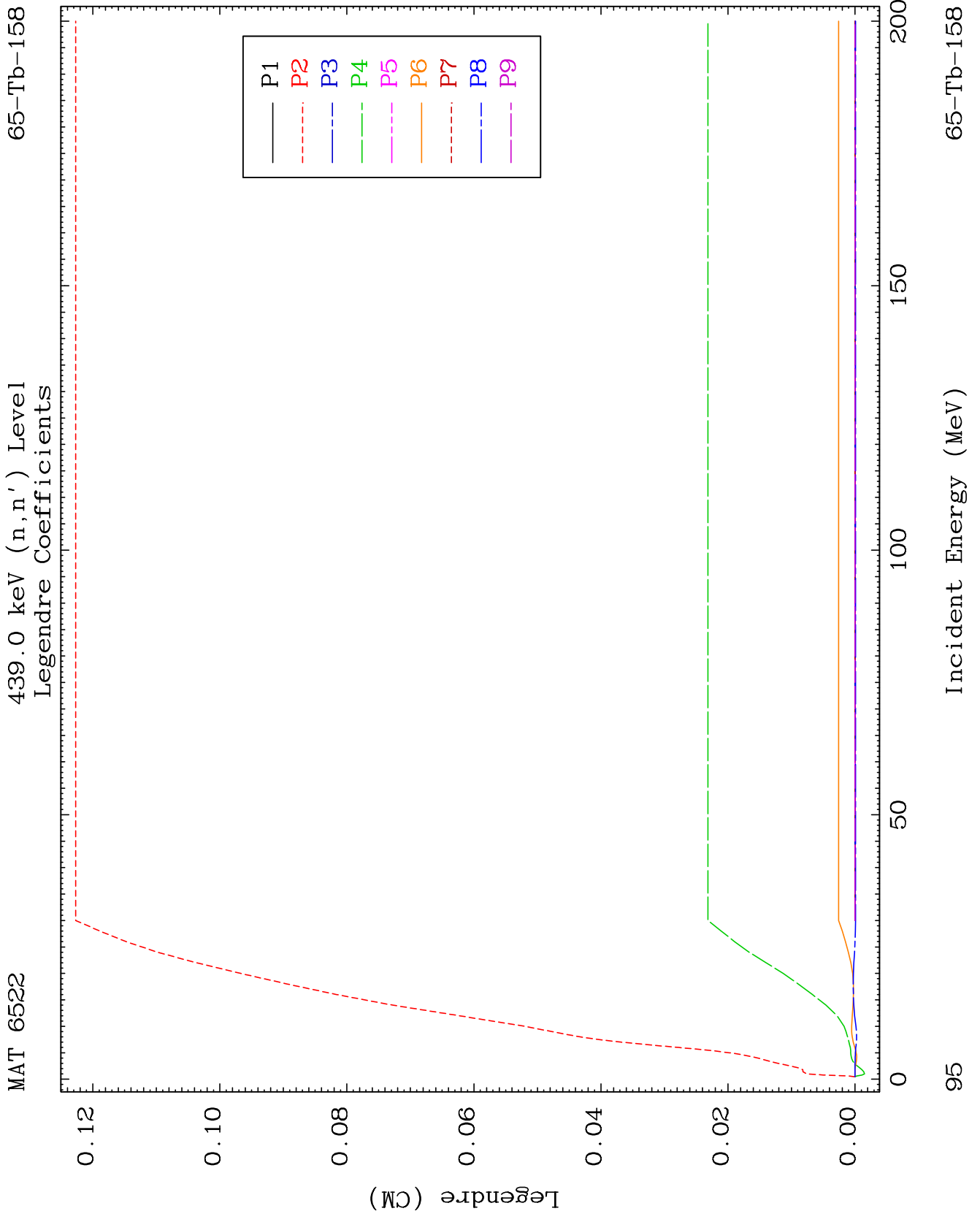
90







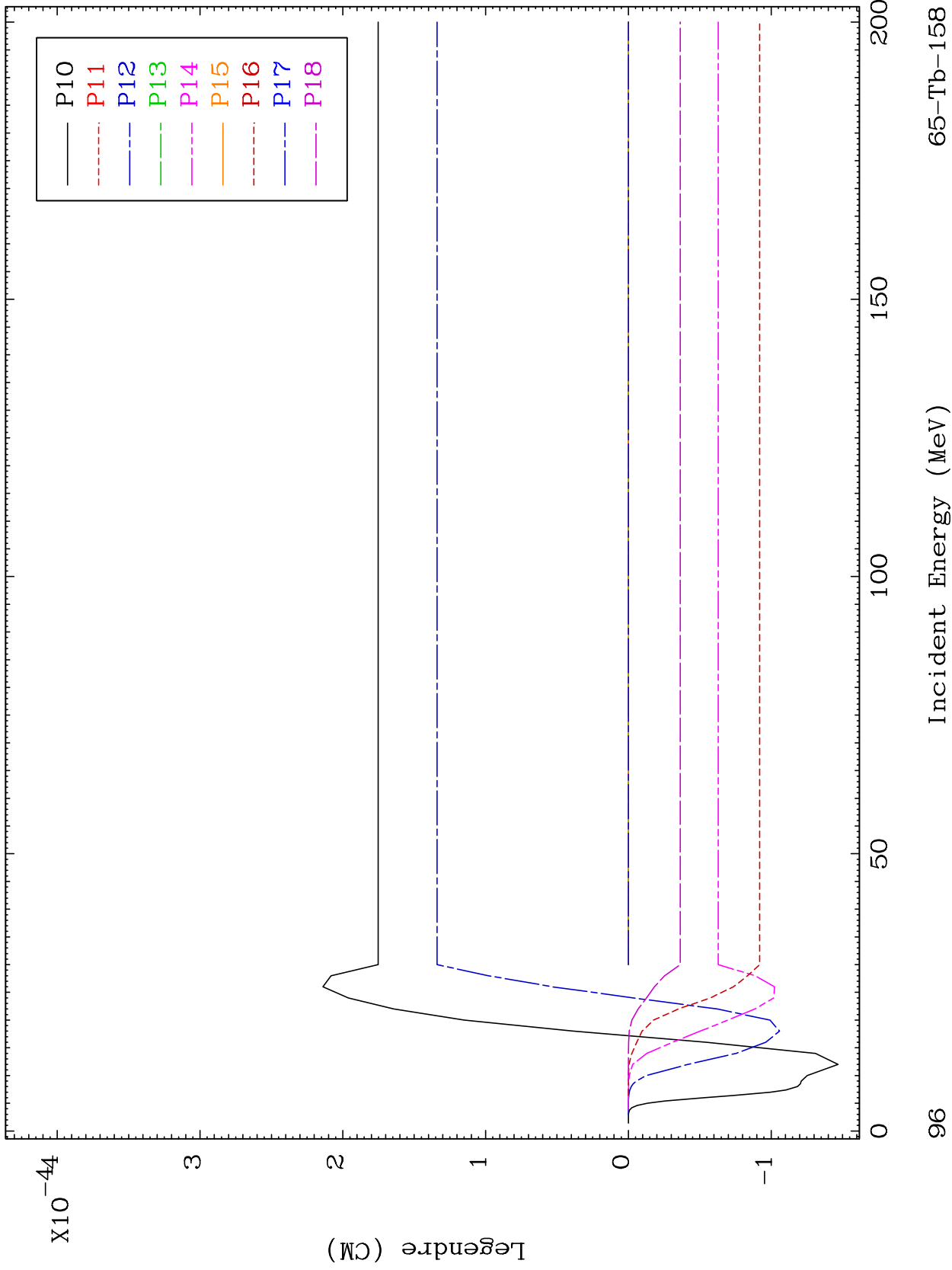


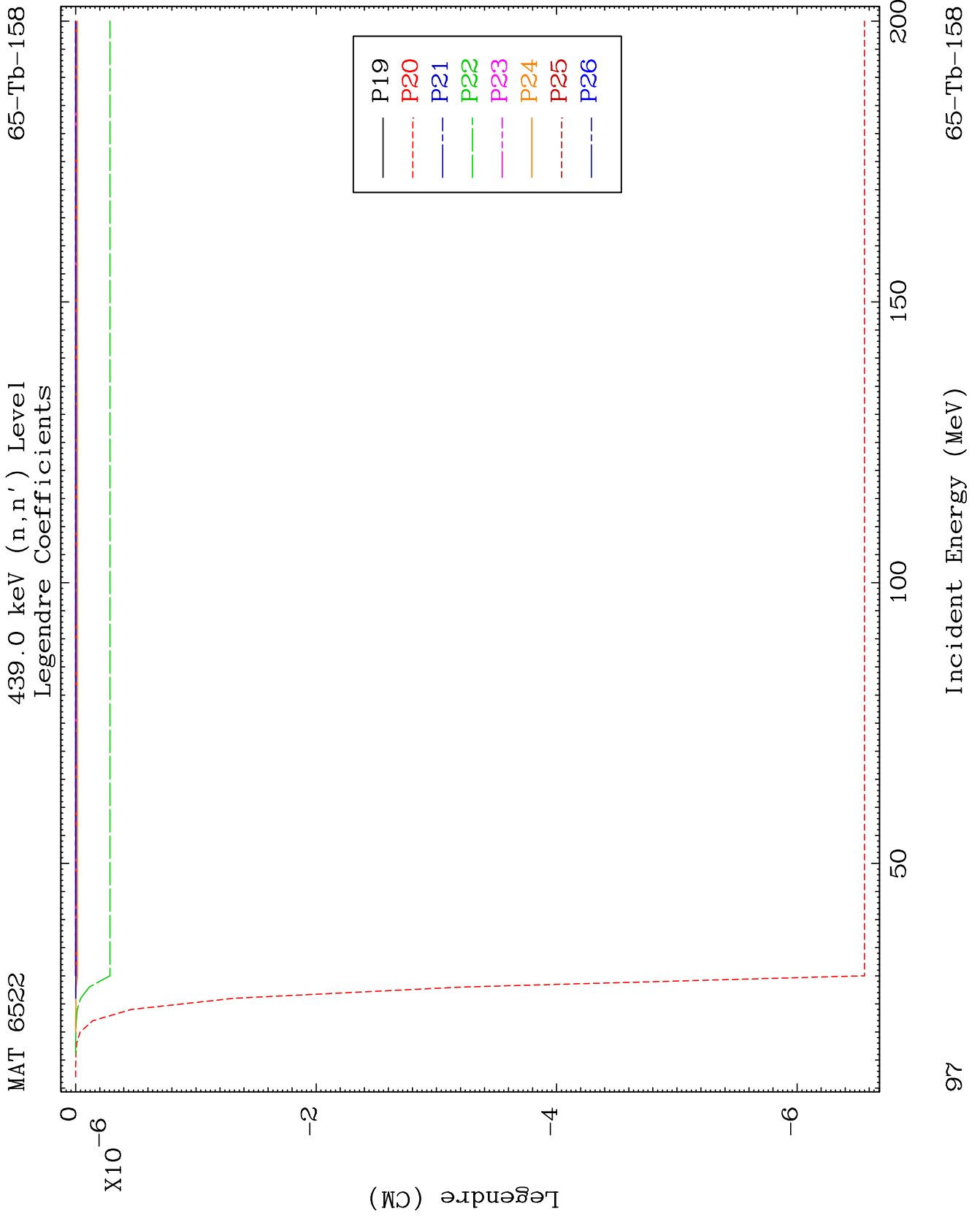


MAT 6522

439.0 keV (n,n') Level
Legendre Coefficients

65-Tb-158

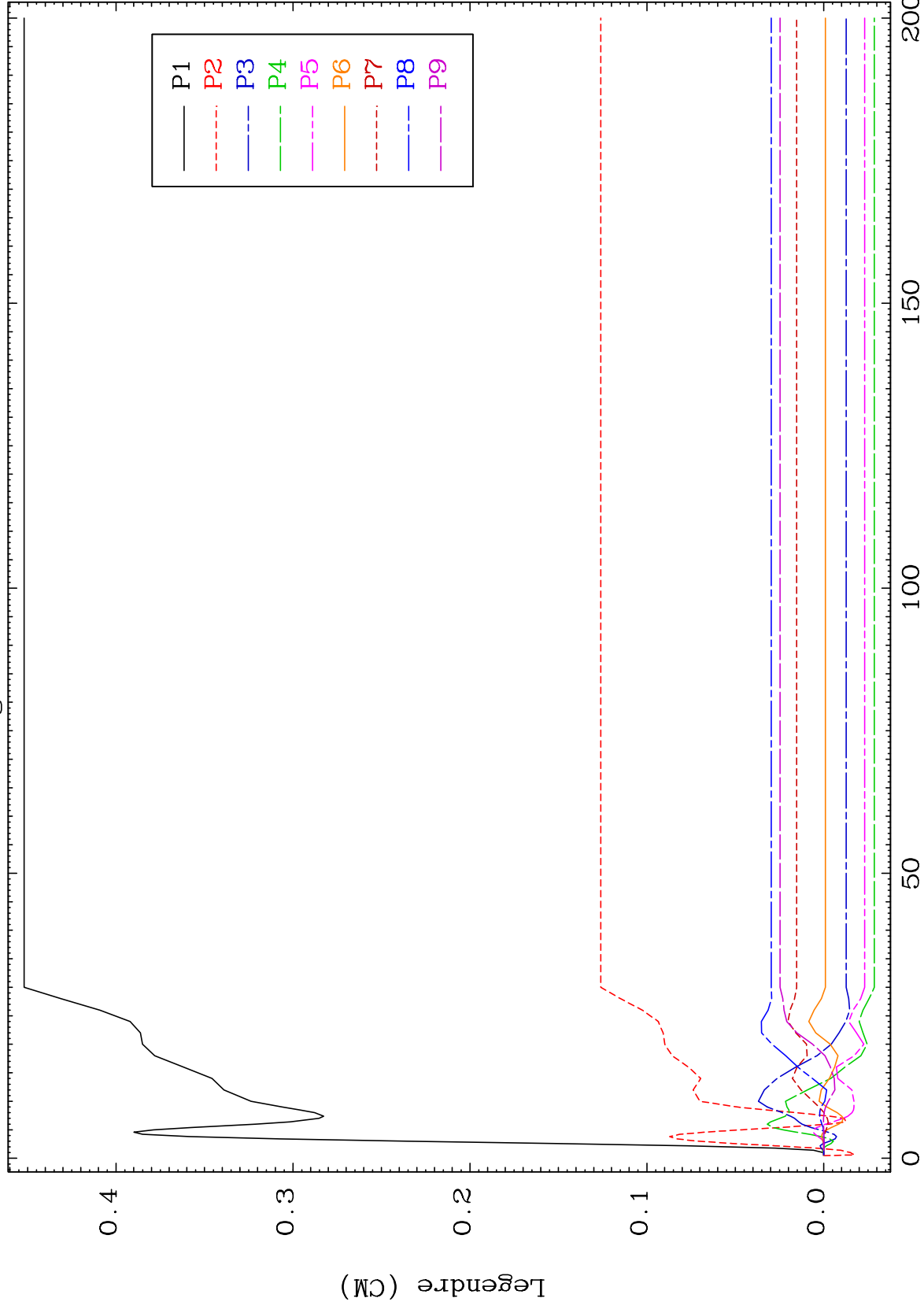




MAT 6522

444.4 keV (n,n') Level
Legendre Coefficients

65-Tb-158



98

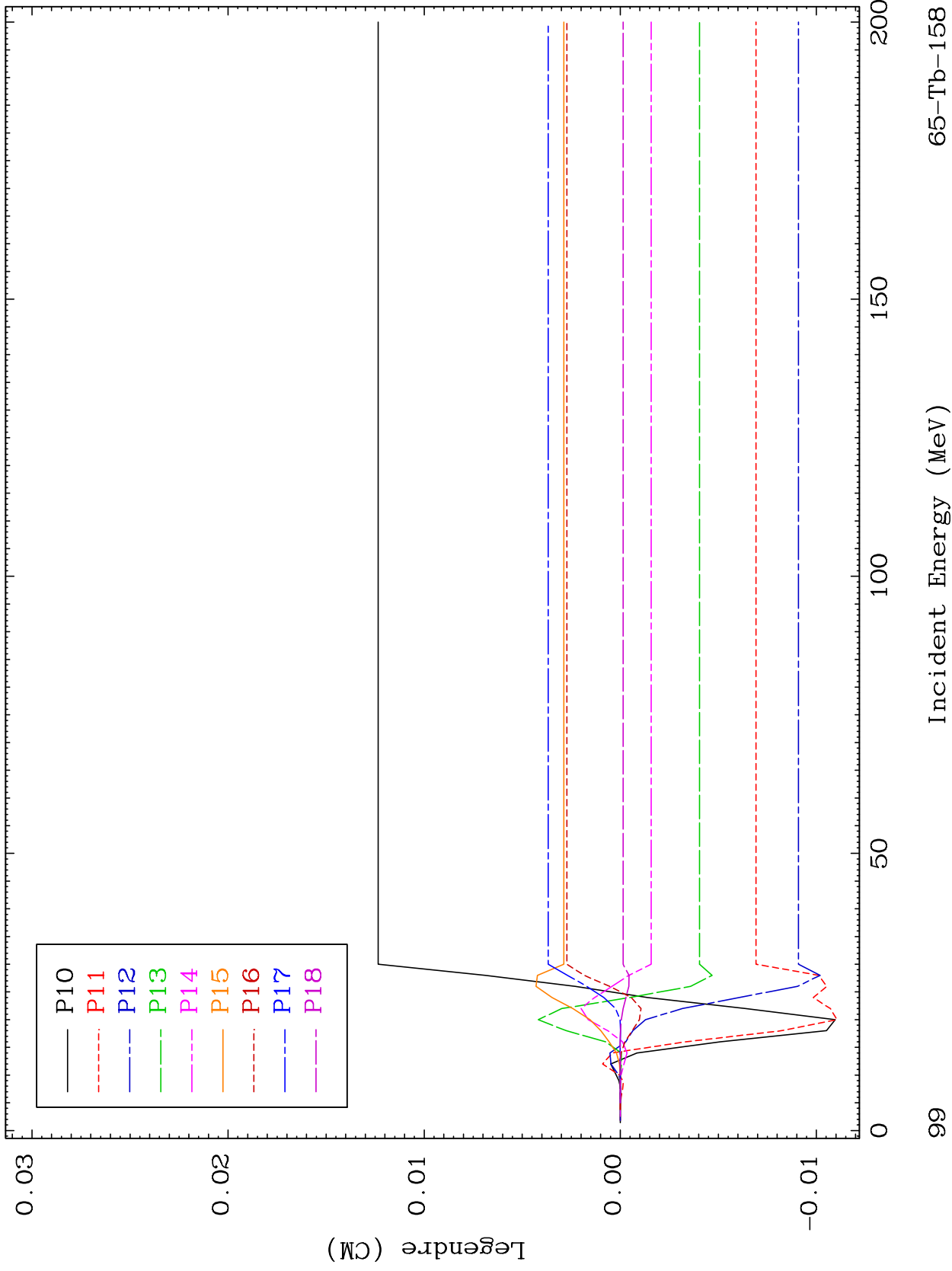
Incident Energy (MeV)

65-Tb-158

MAT 65222

444.4 keV (n,n') Level
Legendre Coefficients

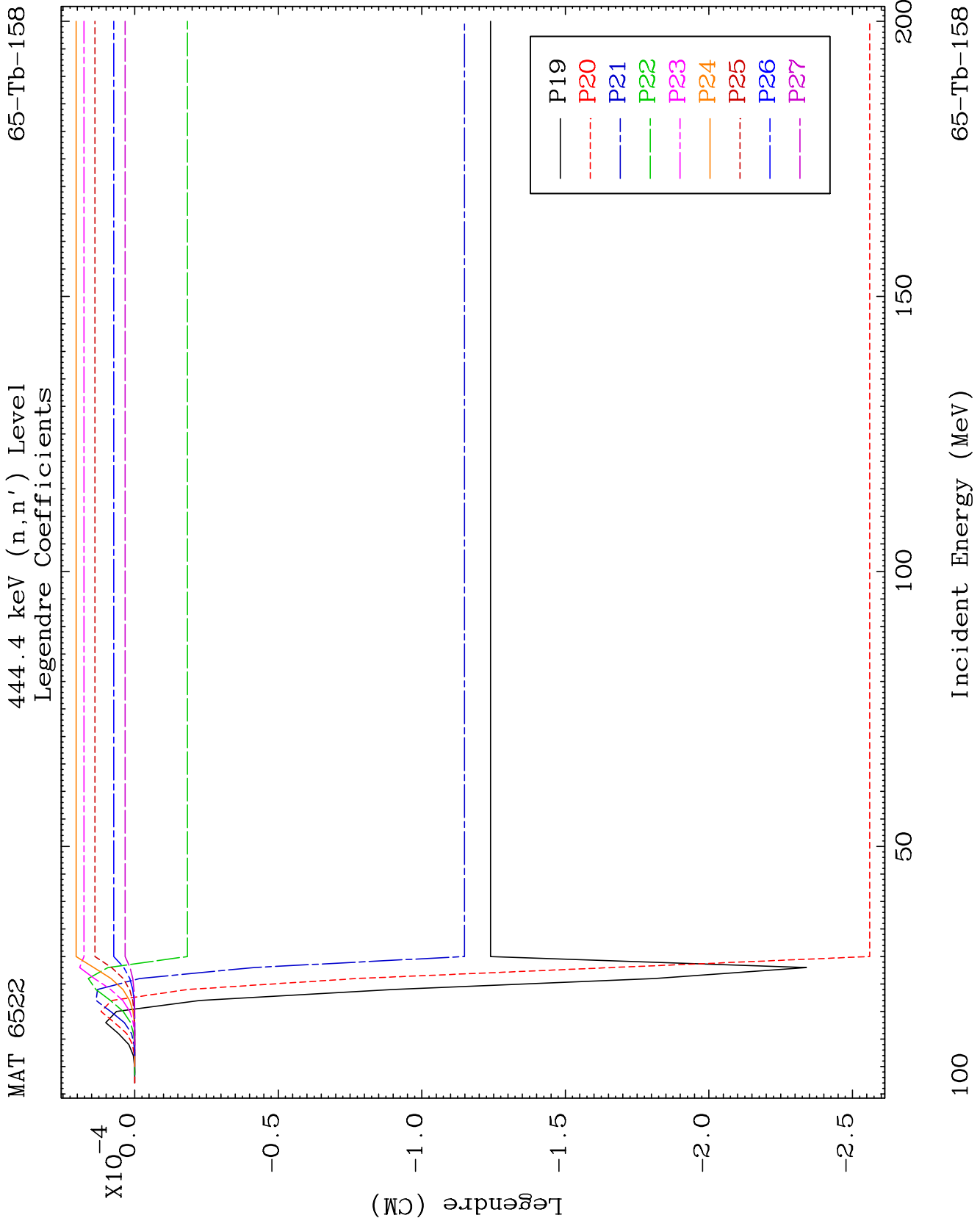
65-Tb-158

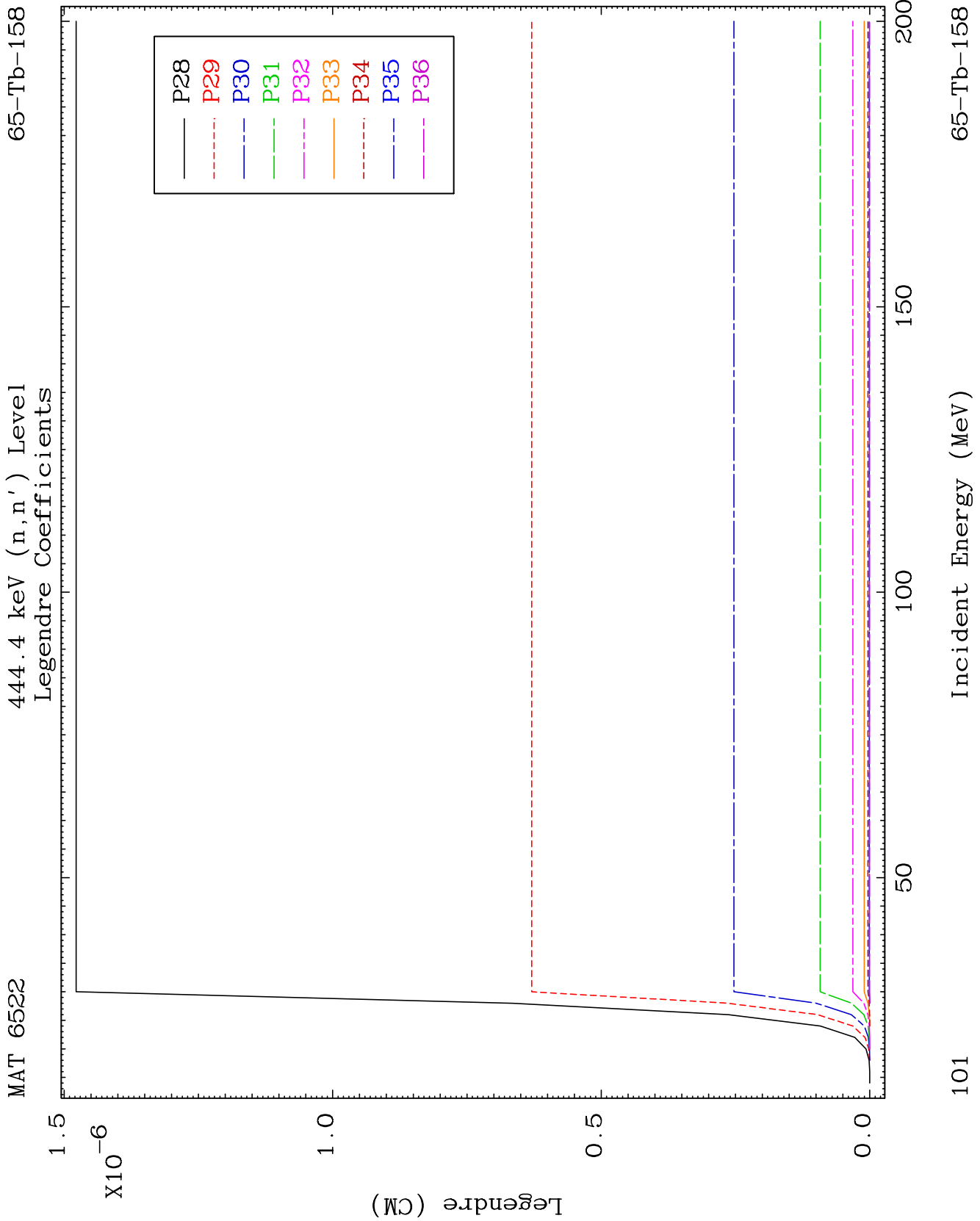


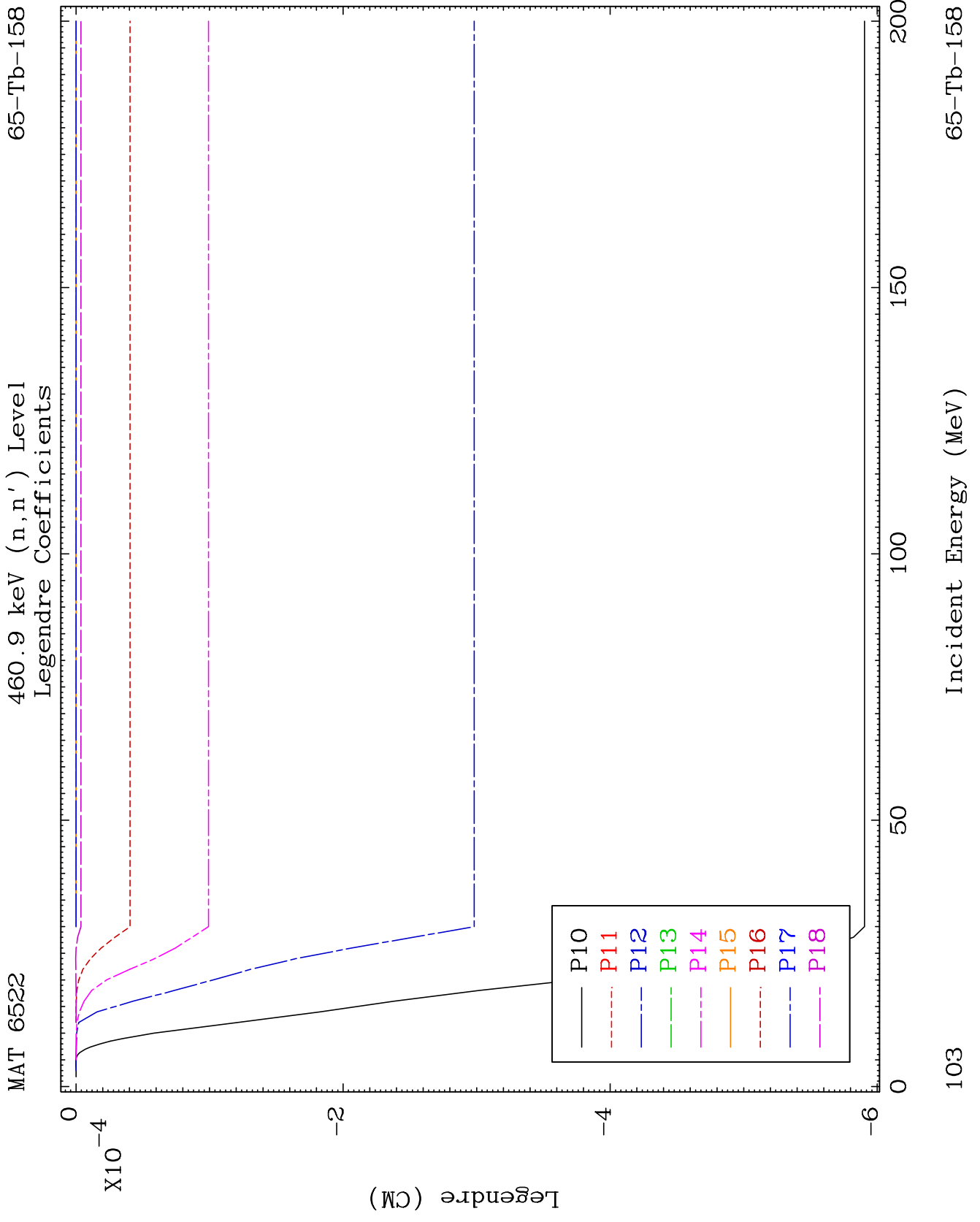
99

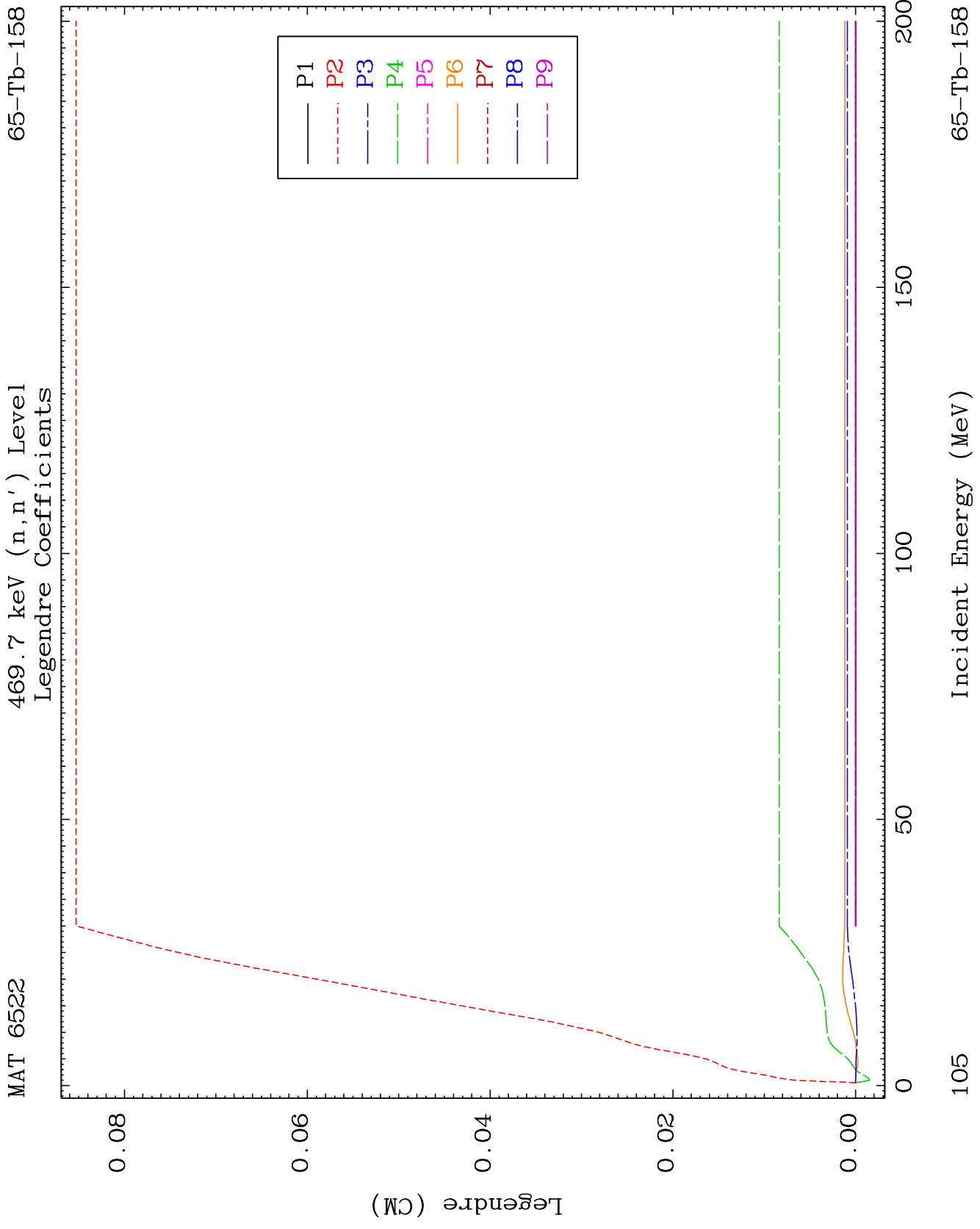
Incident Energy (MeV)

65-Tb-158





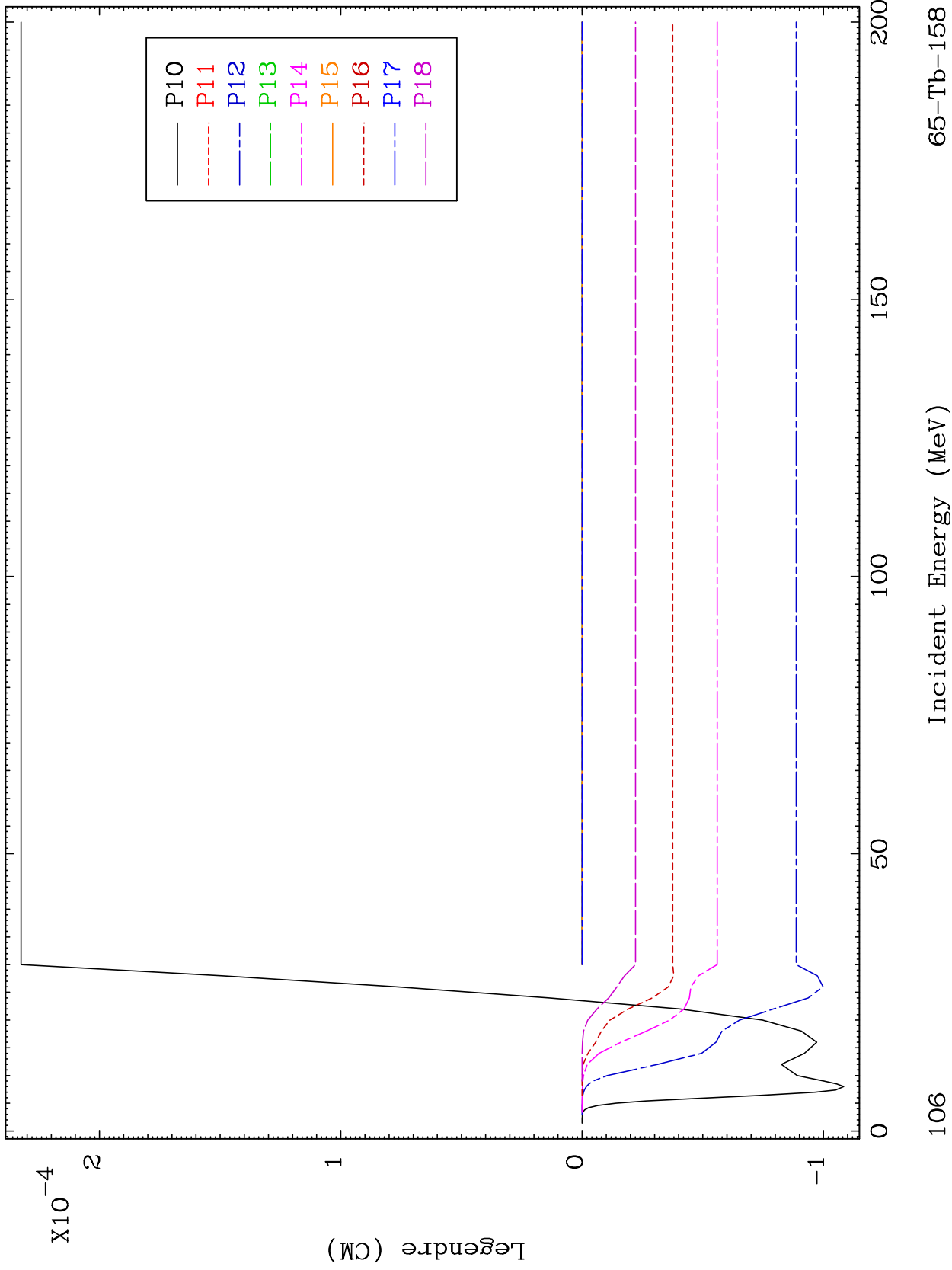




MAT 6522

469.7 keV (n,n') Level
Legendre Coefficients

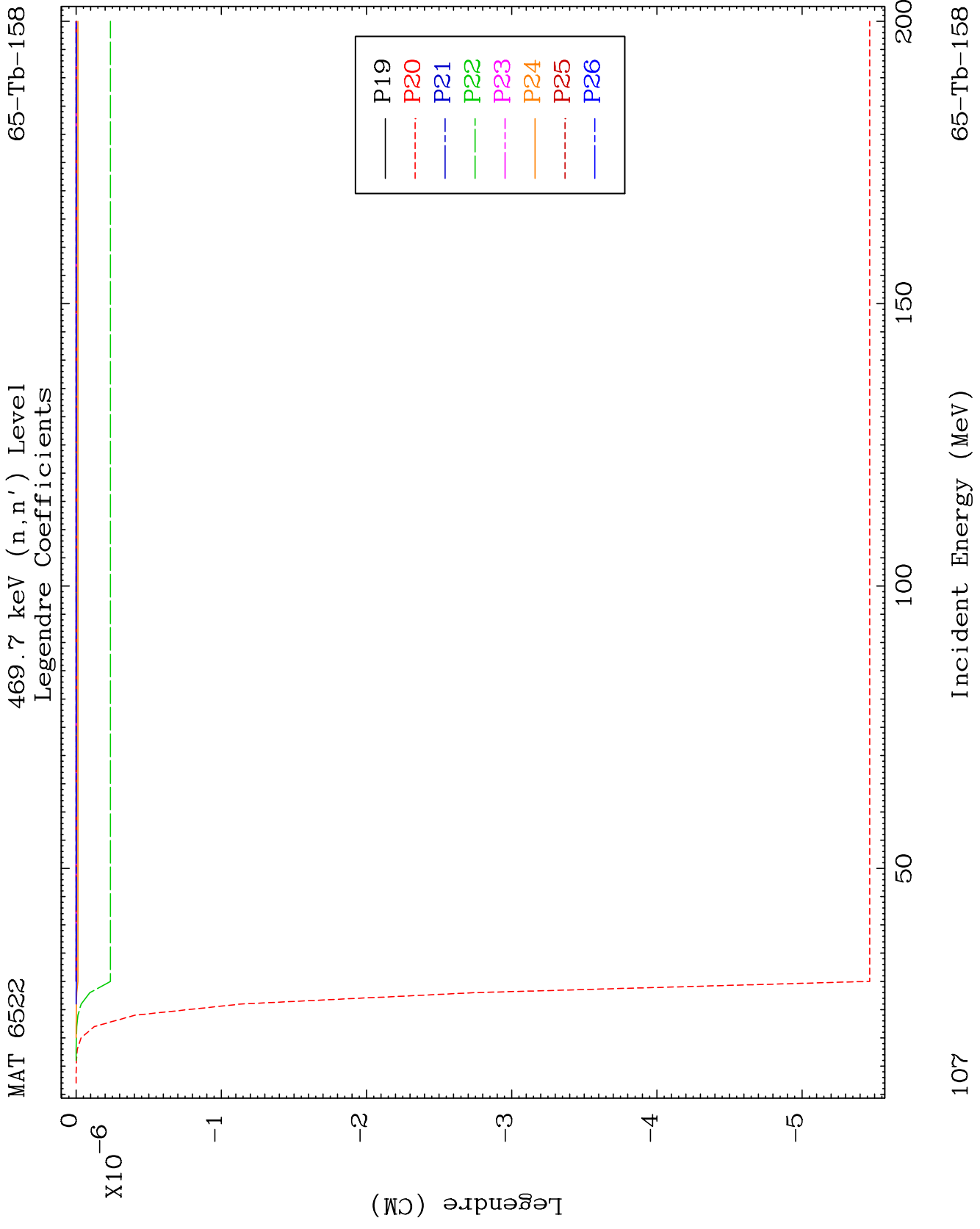
65-Tb-158

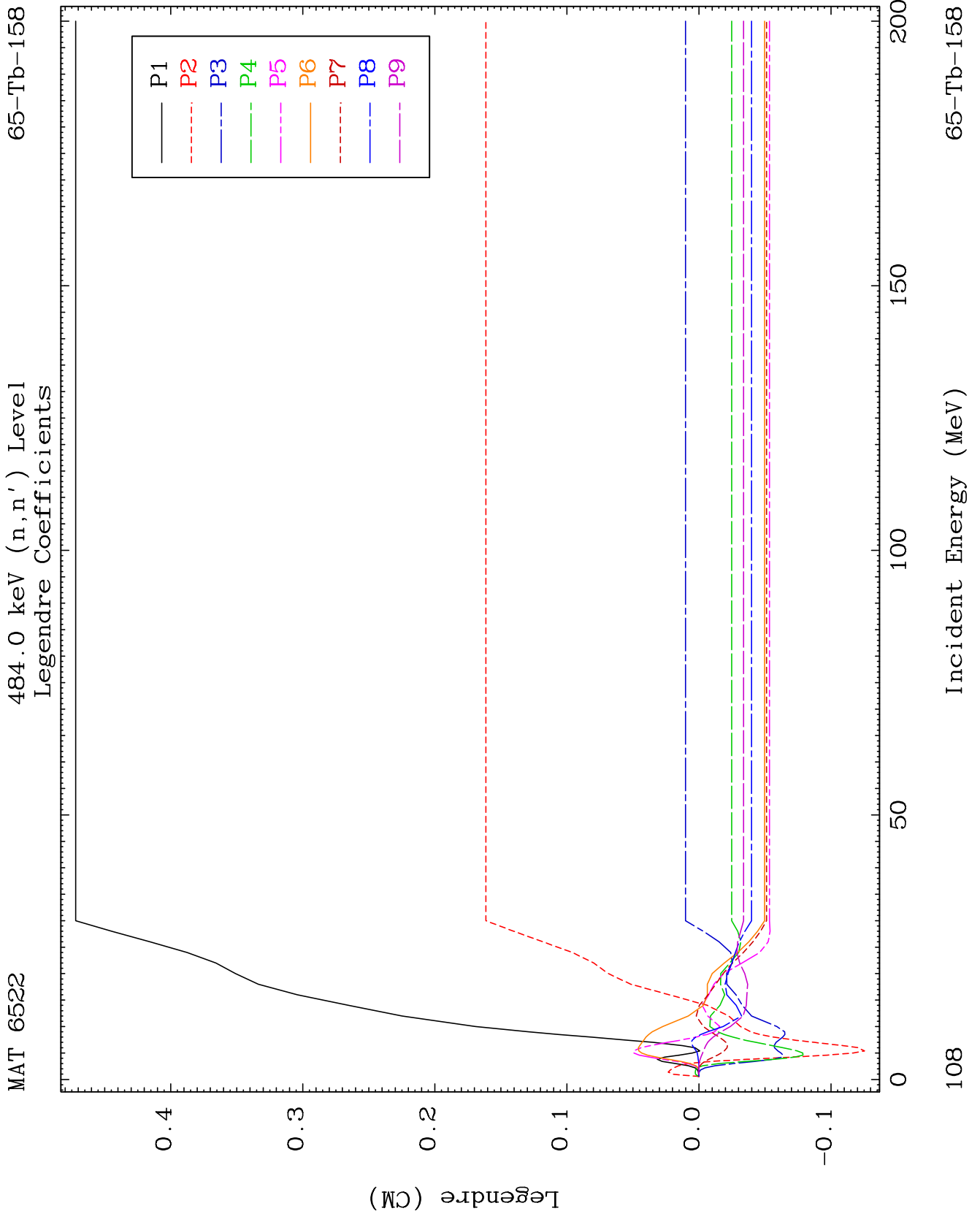


65-Tb-158

Incident Energy (MeV)

106

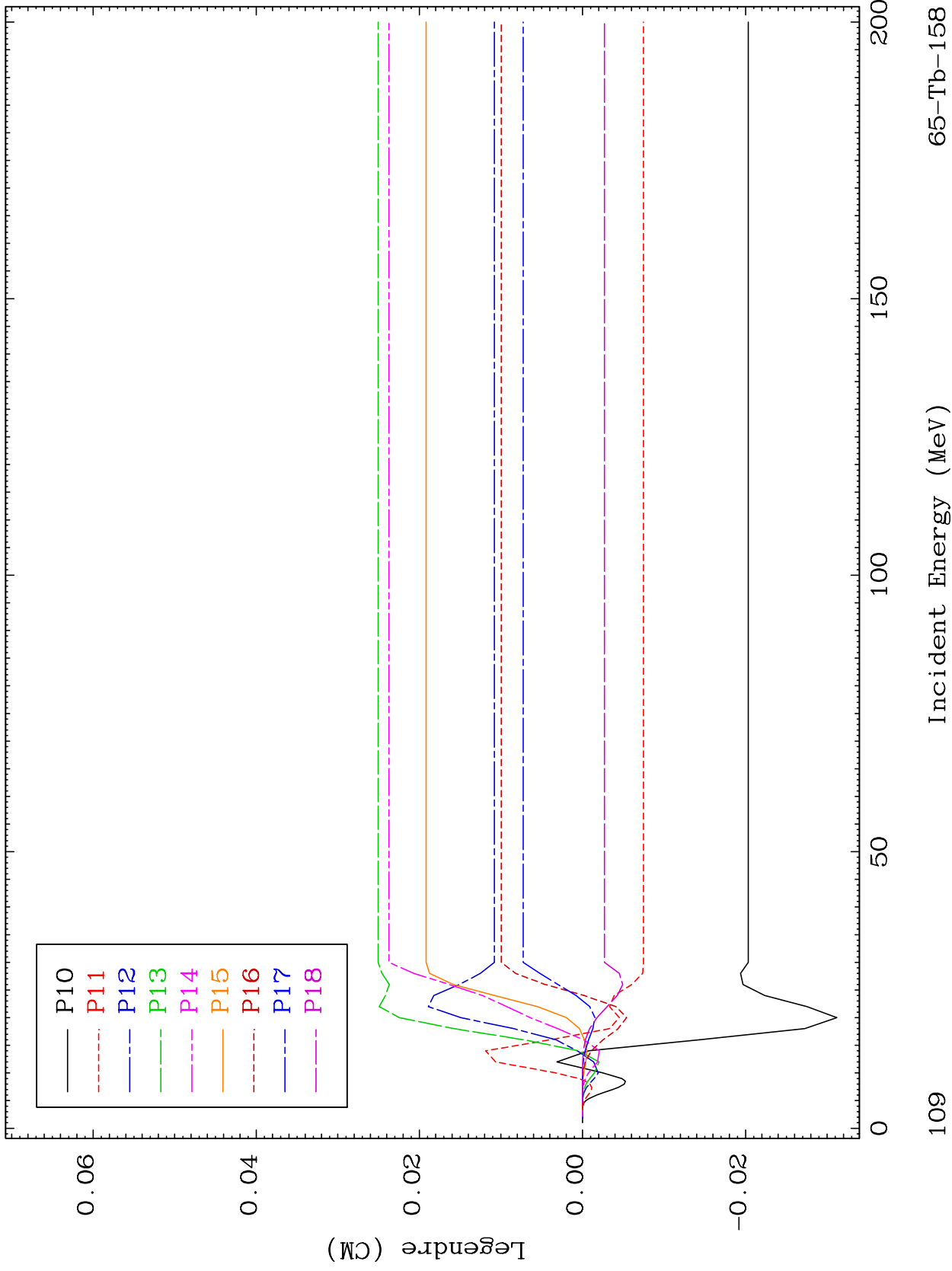




MAT 65222

484.0 keV (n, n') Level
Legendre Coefficients

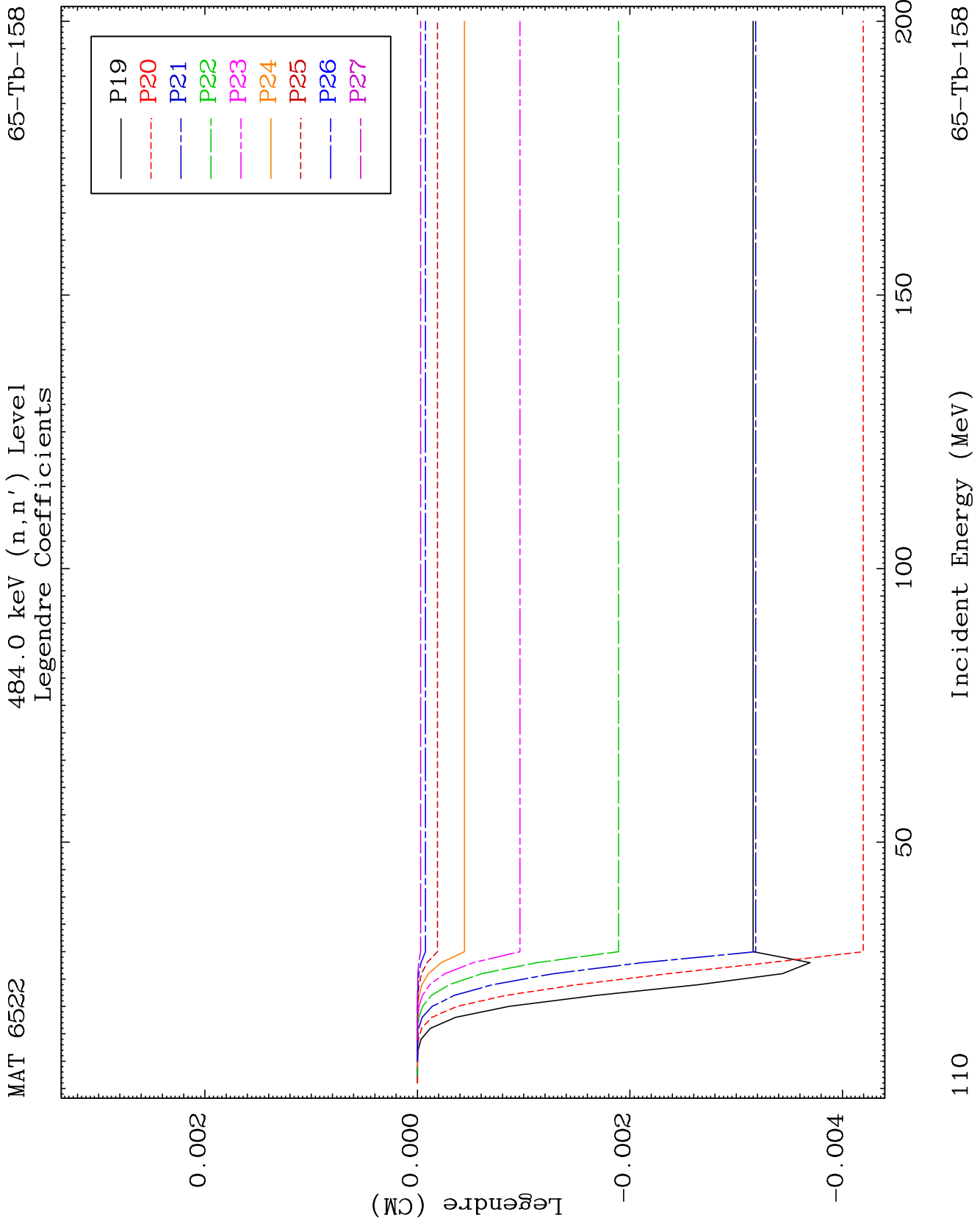
65-Tb-158

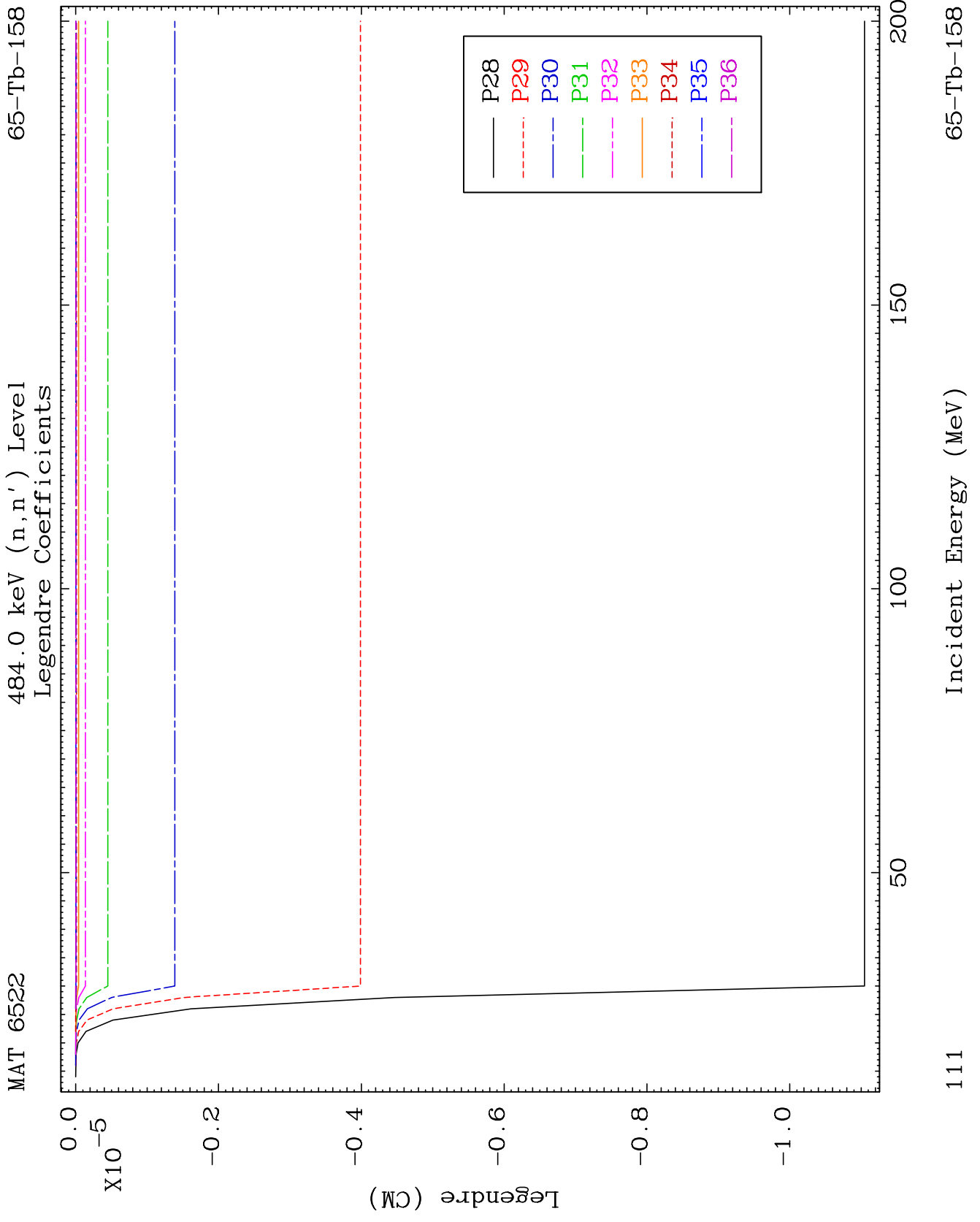


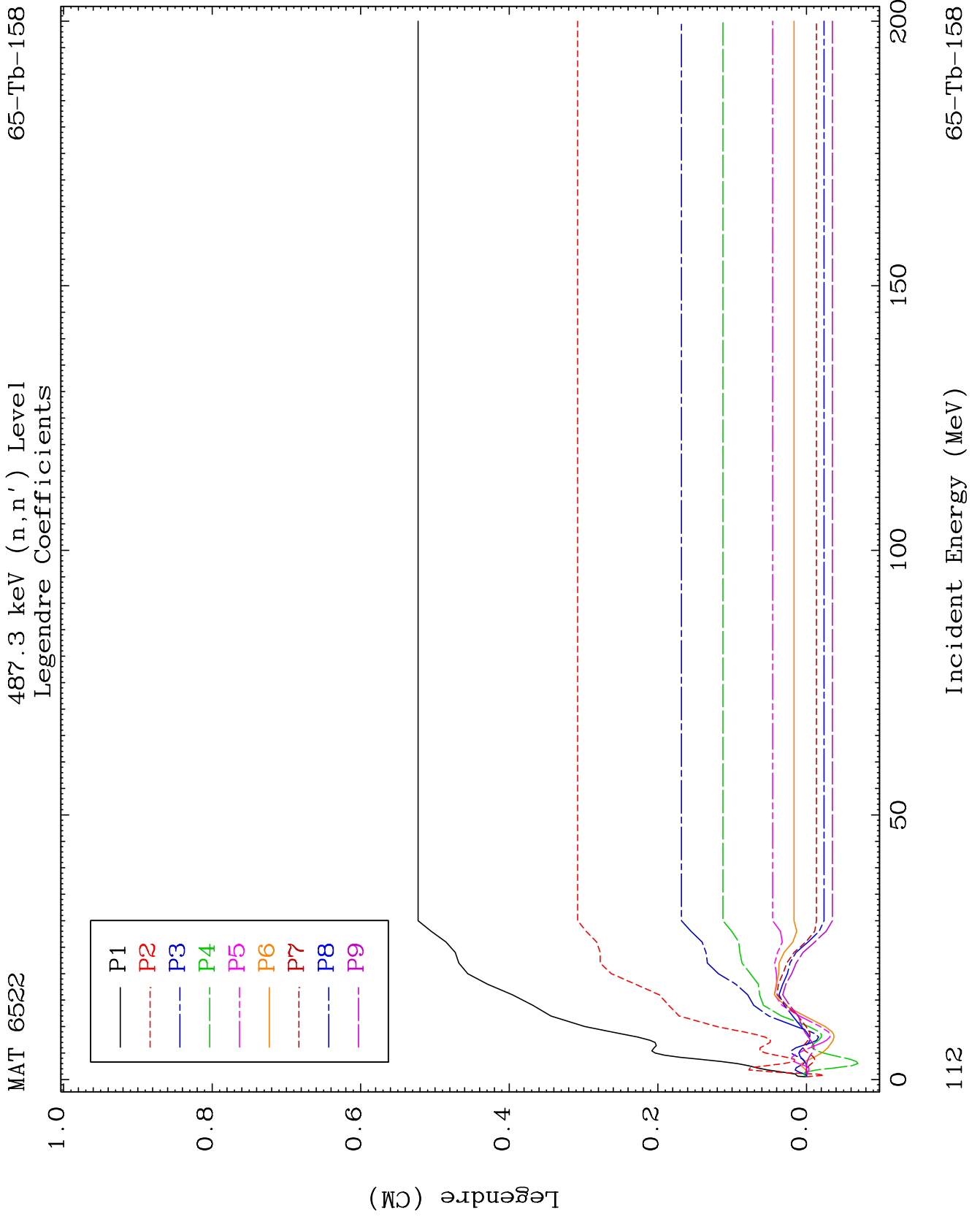
65-Tb-158

Incident Energy (MeV)

109



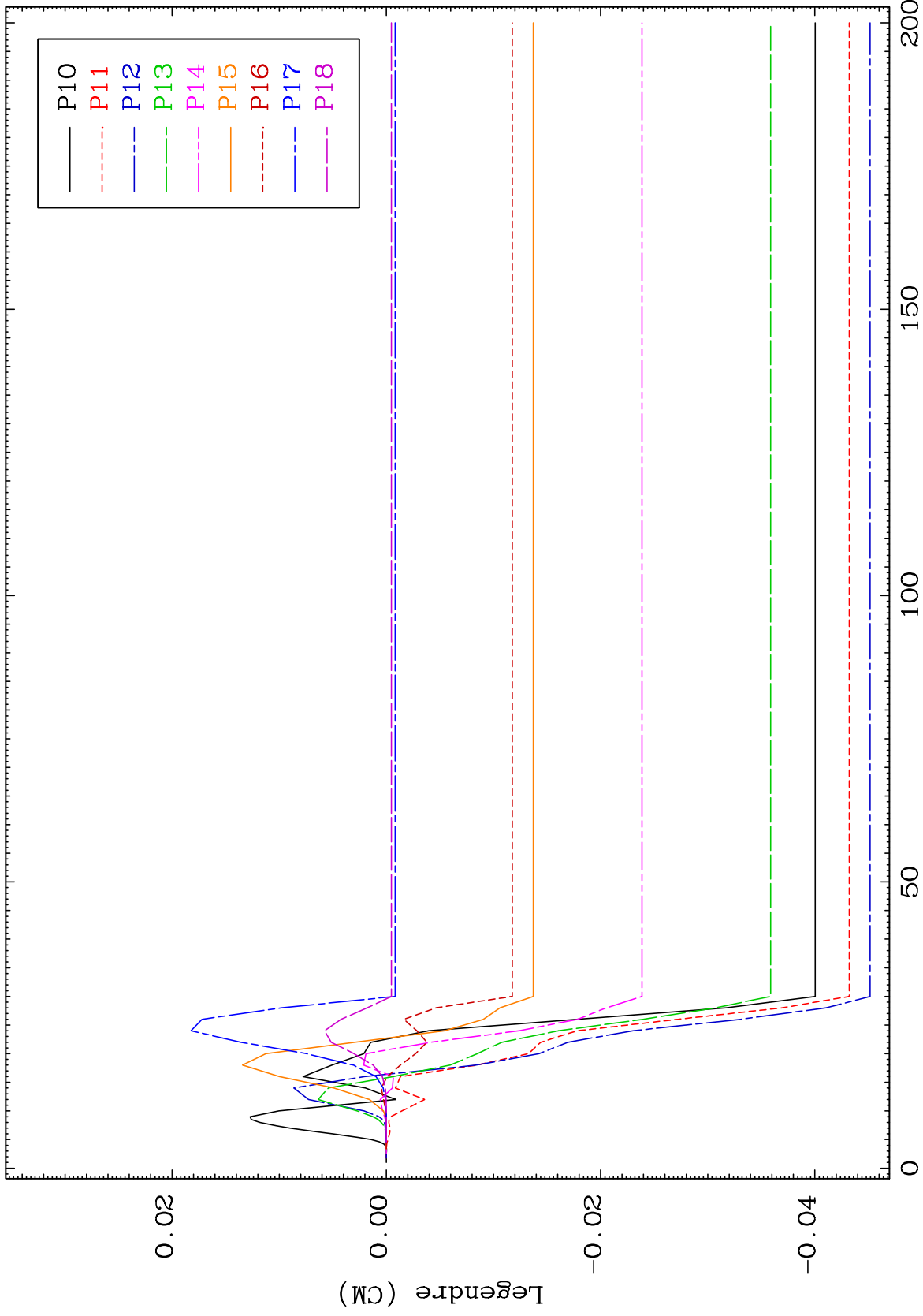




MAT 65222

487.3 keV (n,n') Level
Legendre Coefficients

65-Tb-158



113

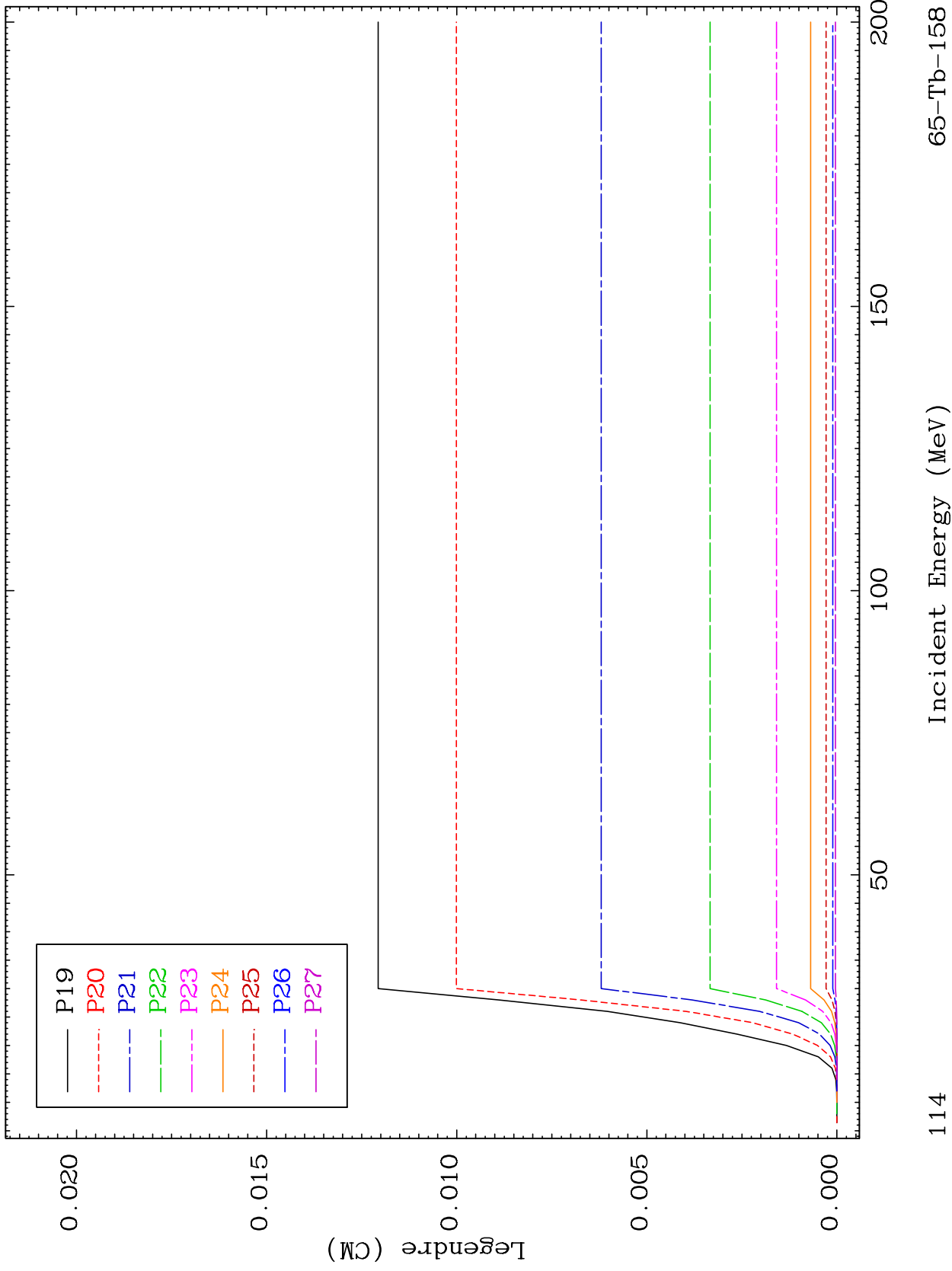
Incident Energy (MeV)

65-Tb-158

MAT 65222

487.3 keV (n, n') Level
Legendre Coefficients

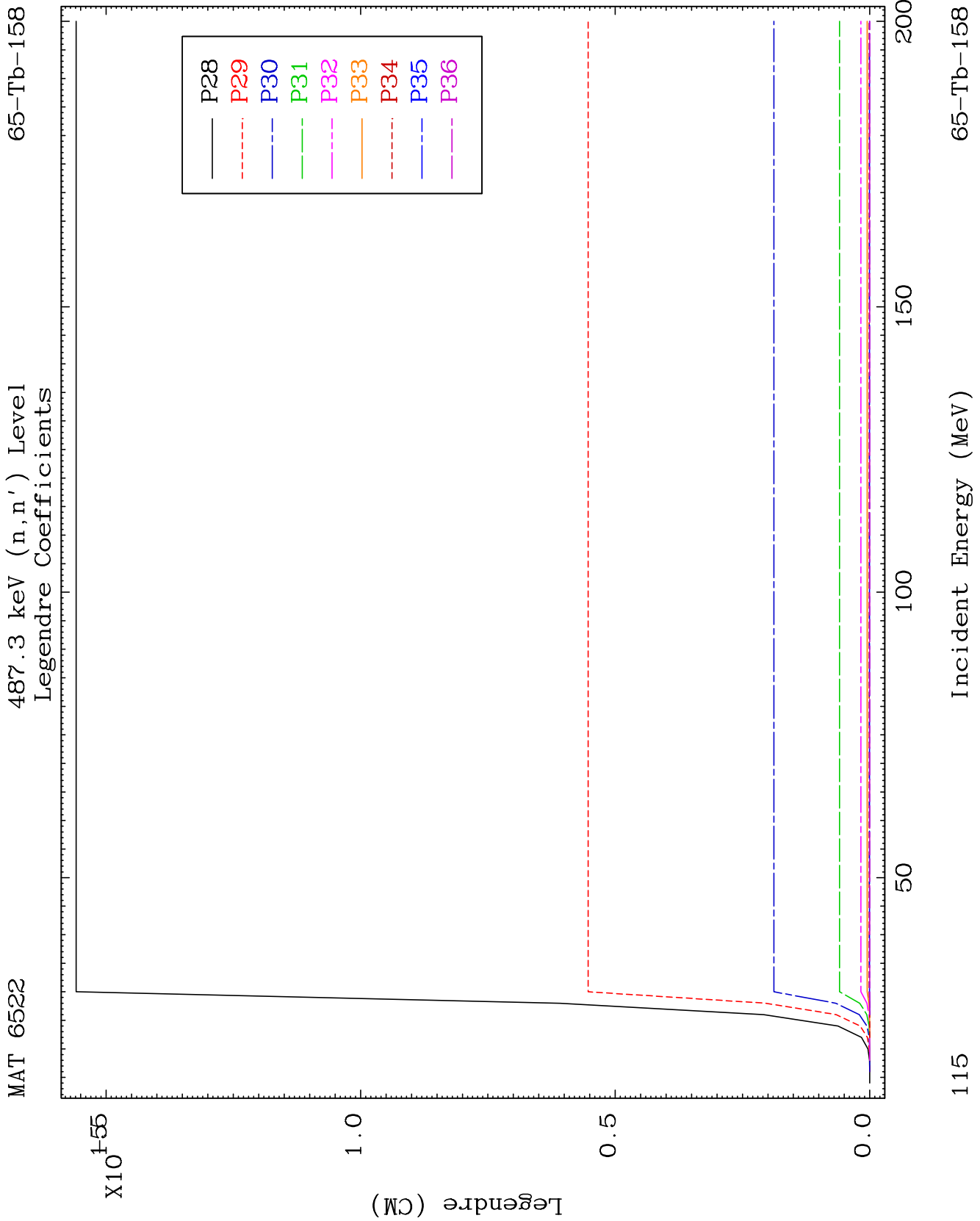
65-Tb-158



114

Incident Energy (MeV)

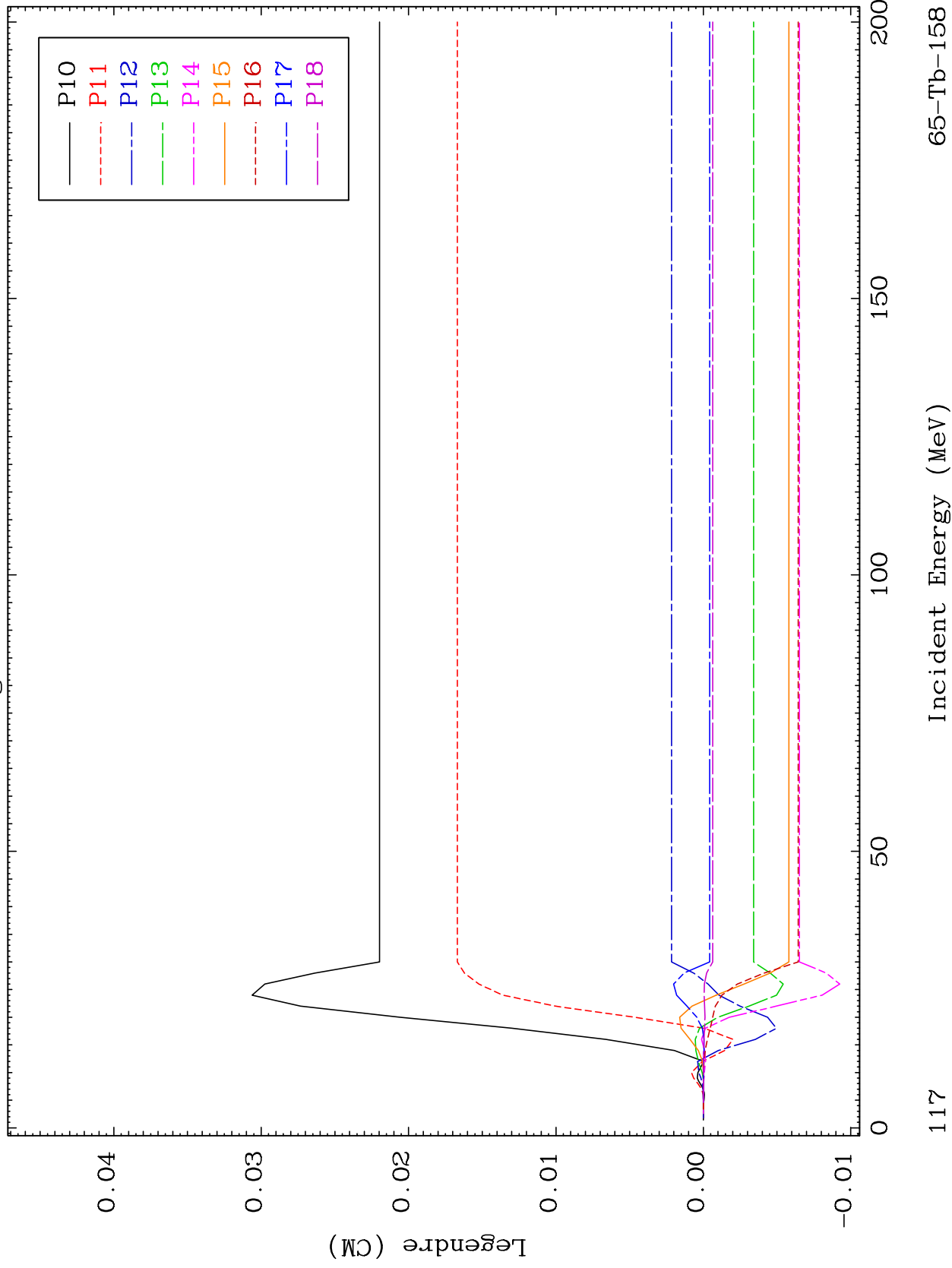
65-Tb-158



MAT 6522

495.4 keV (n,n') Level
Legendre Coefficients

65-Tb-158



117

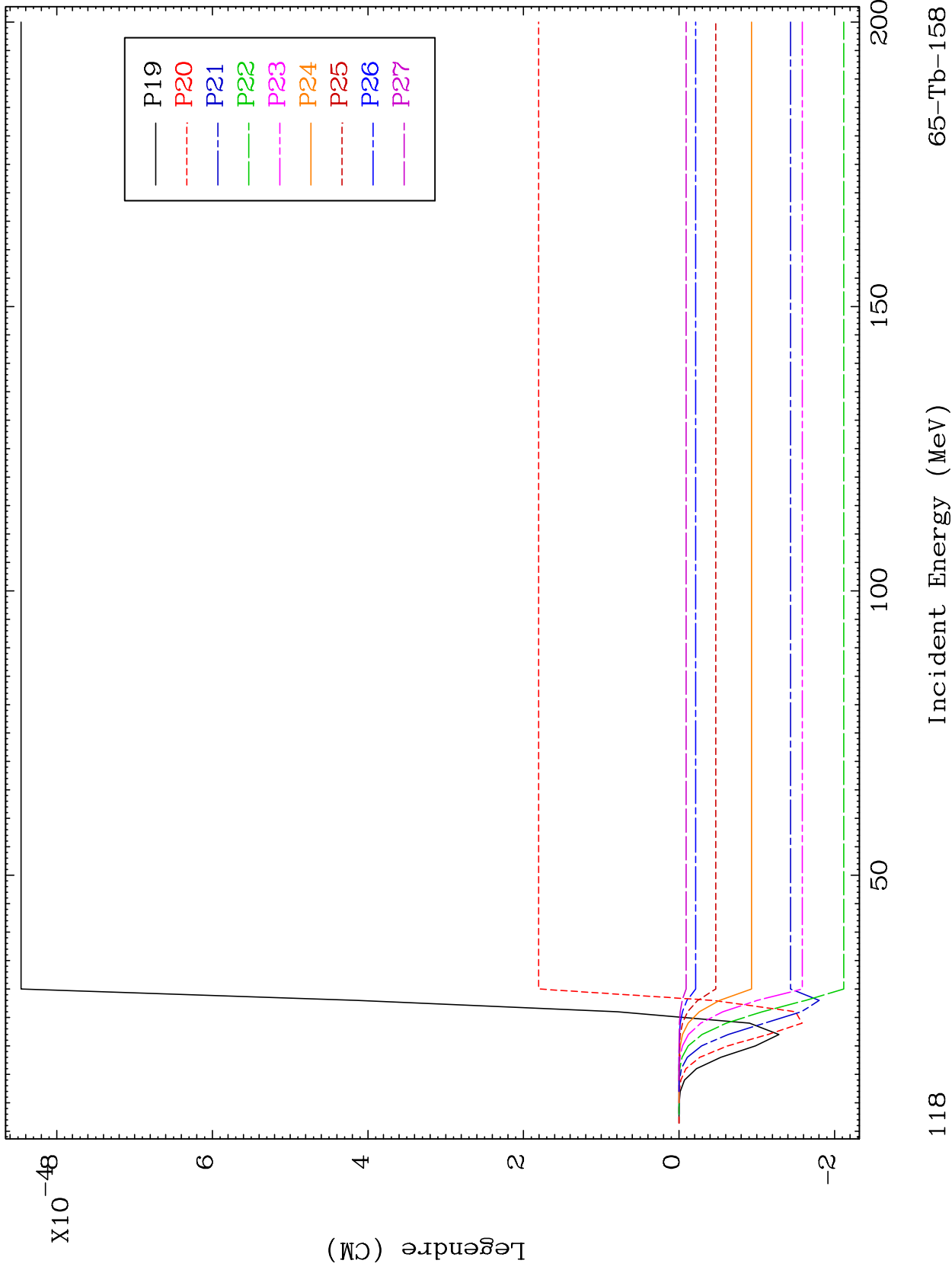
Incident Energy (MeV)

65-Tb-158

MAT 6522

495.4 keV (n,n') Level
Legendre Coefficients

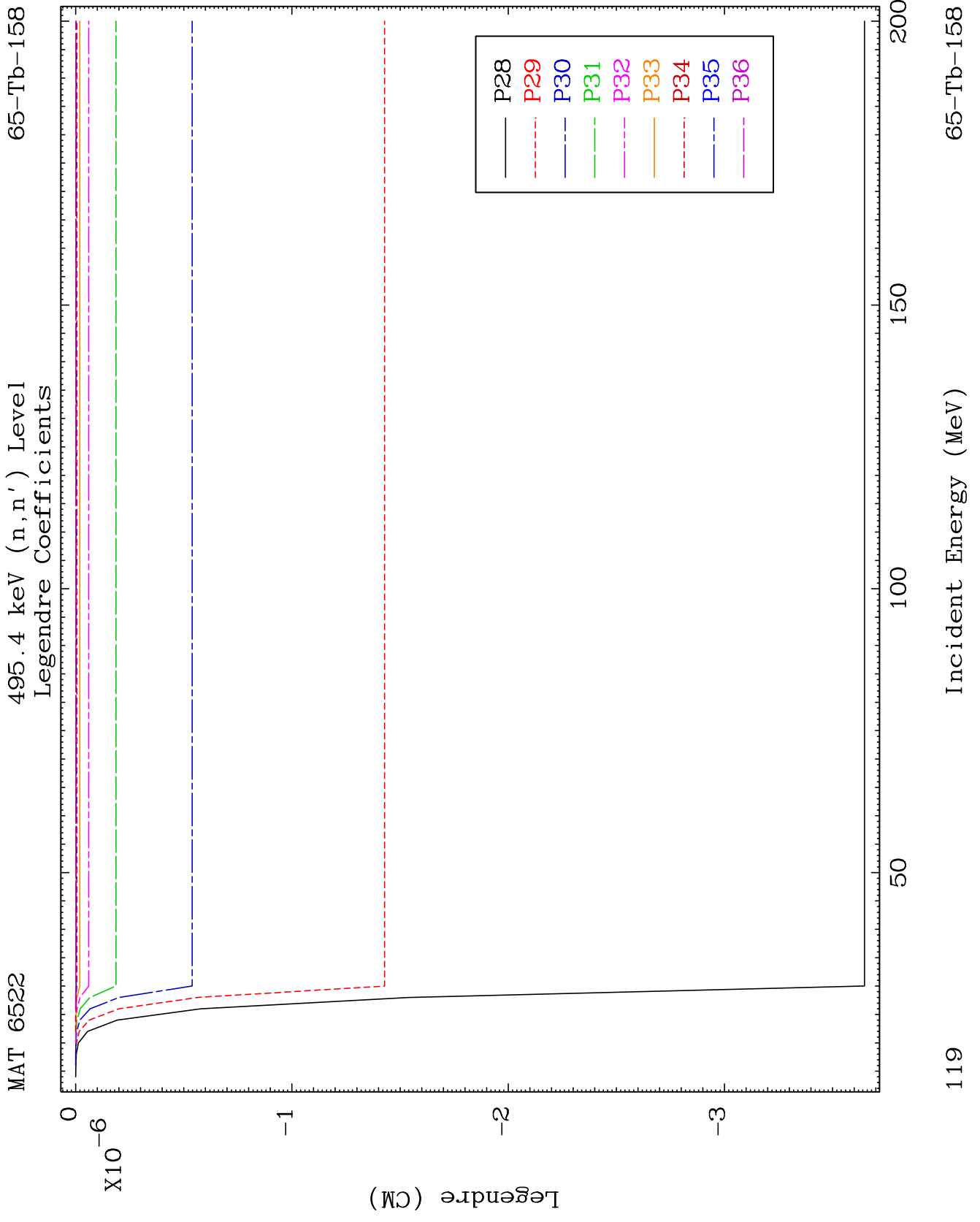
65-Tb-158



118

Incident Energy (MeV)

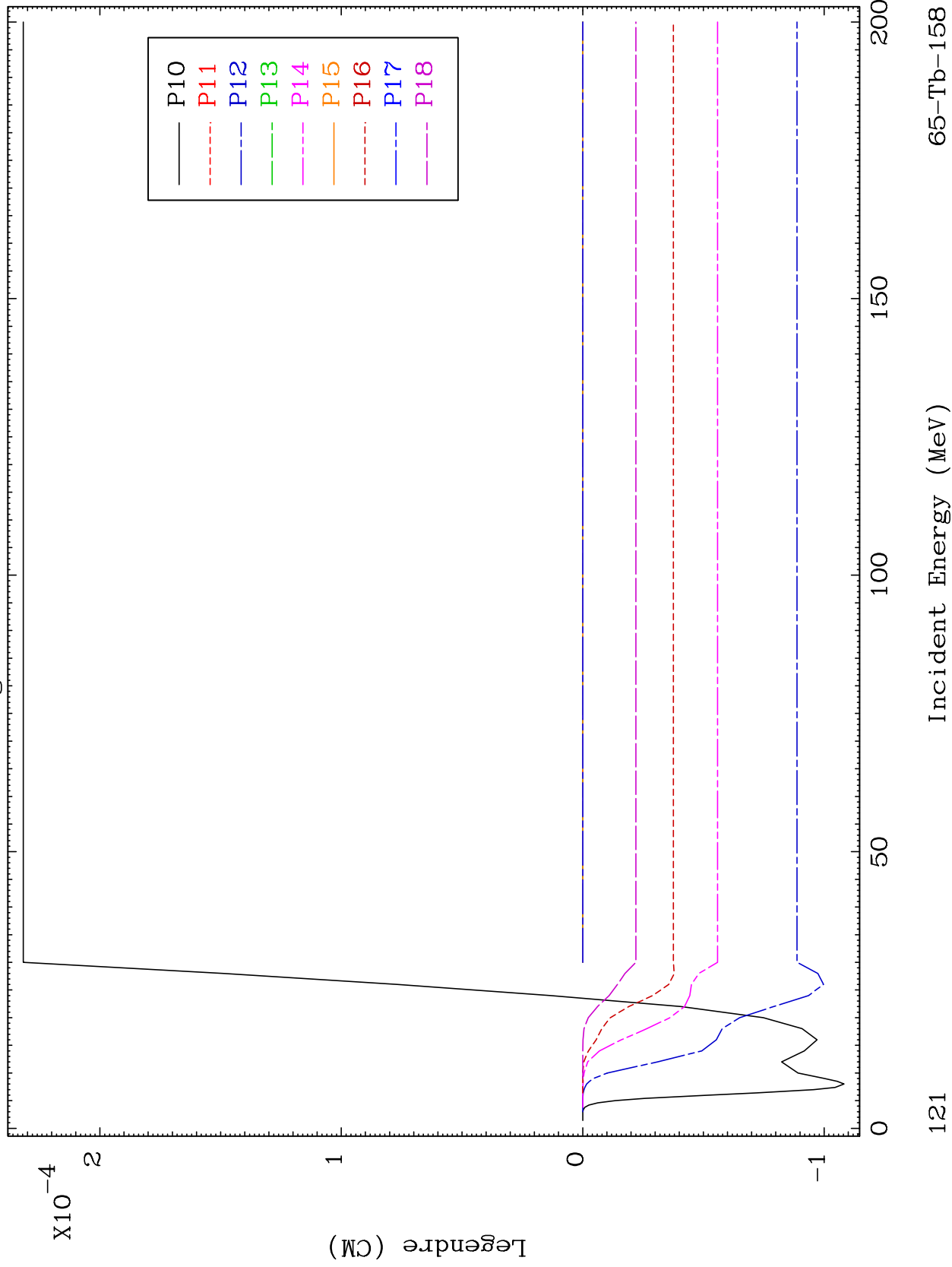
65-Tb-158



MAT 6522

505.9 keV (n,n') Level
Legendre Coefficients

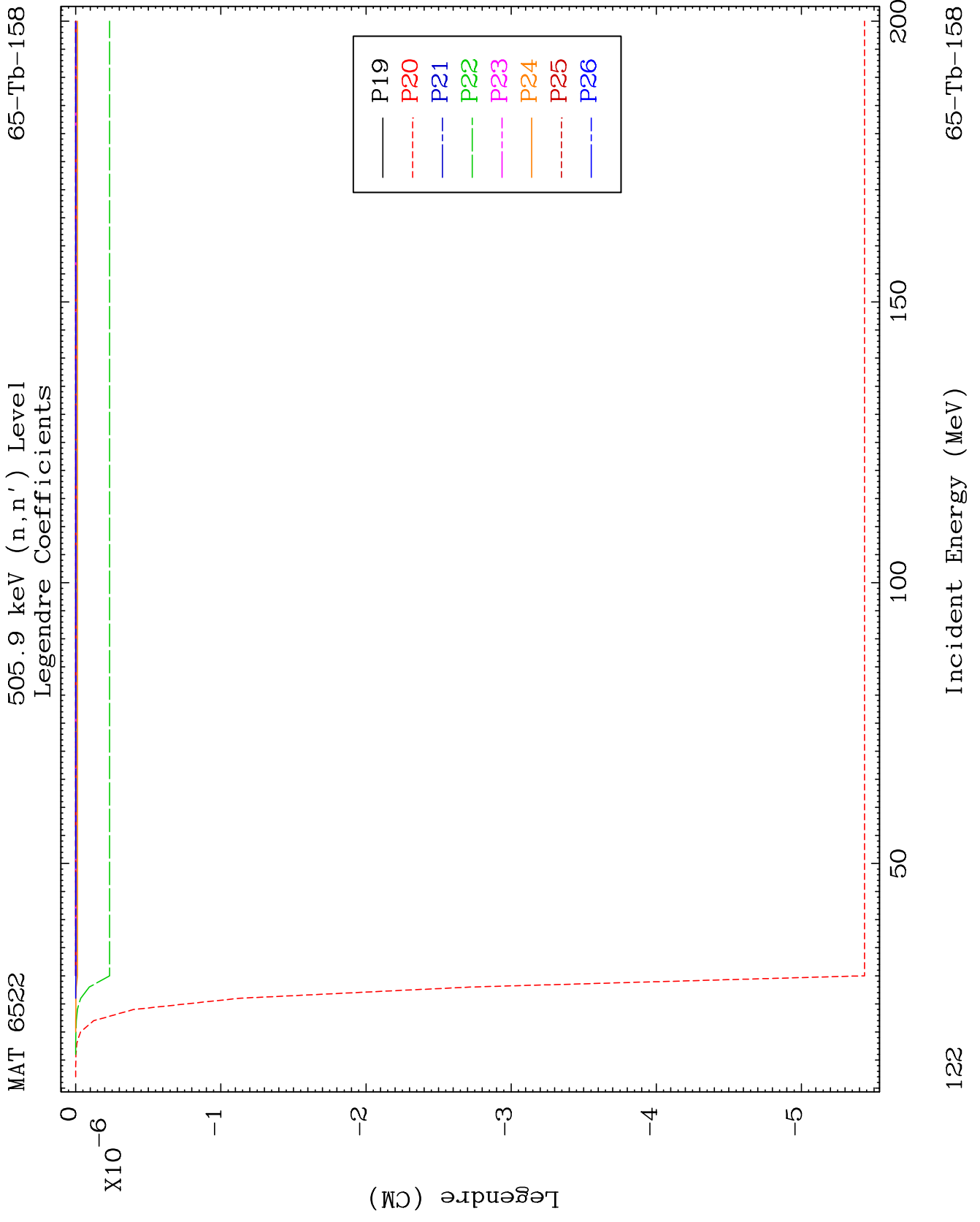
65-Tb-158



65-Tb-158

Incident Energy (MeV)

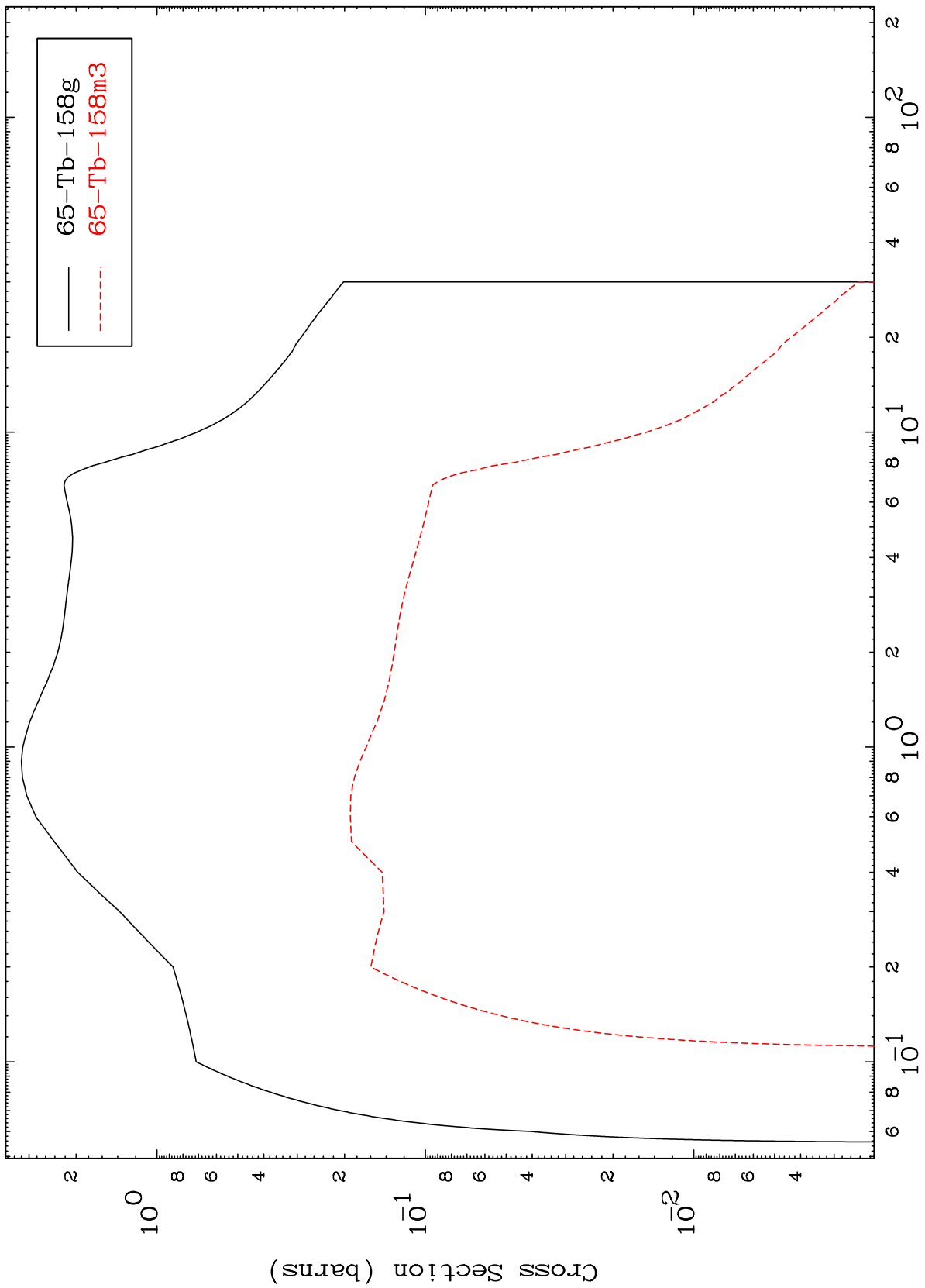
121



MAT 6522

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Inelastic Radionuclide Production Cross Section

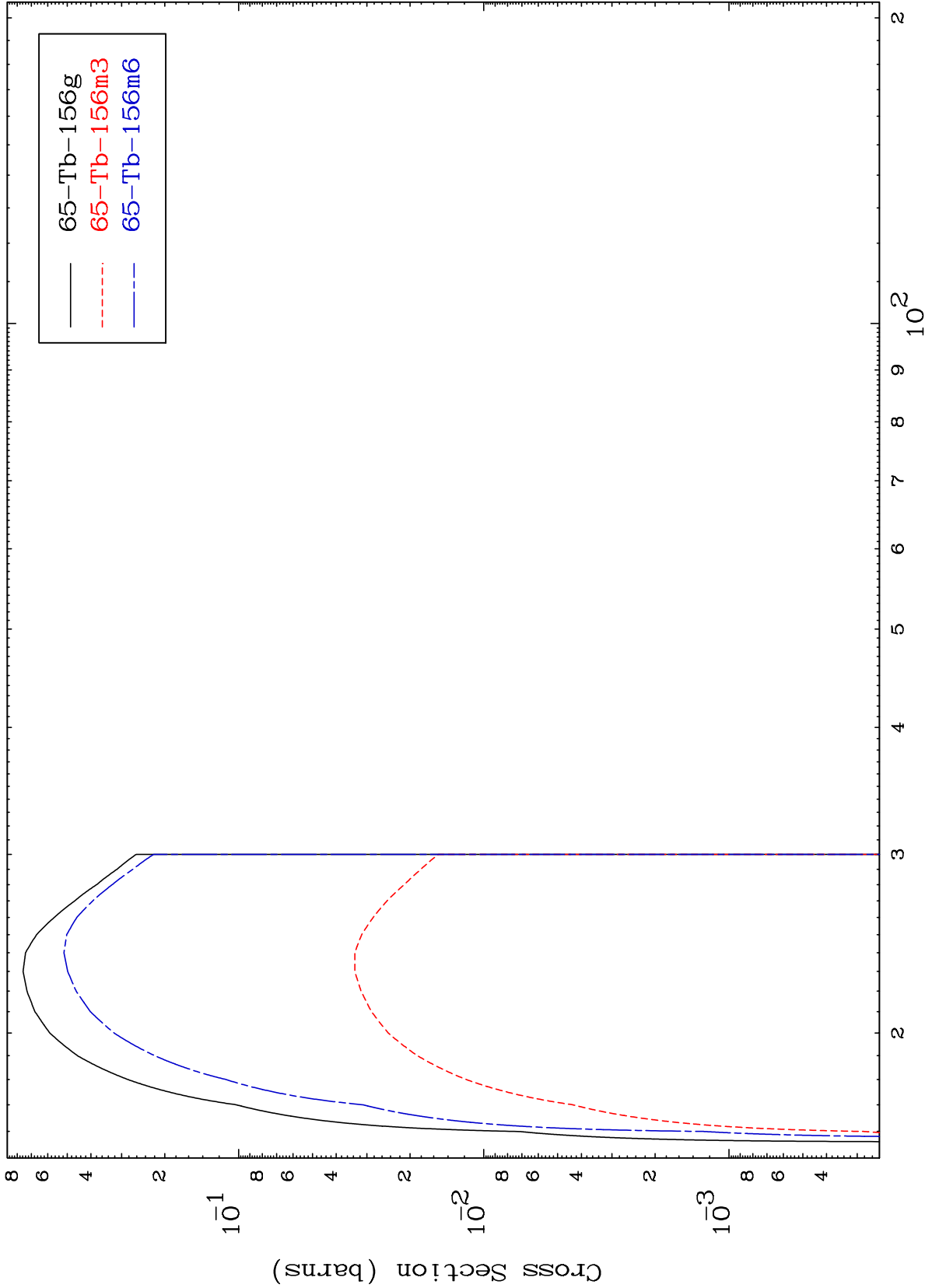


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Incident Energy (MeV)

Radionuclide Production Cross Section



MAT 6522

$(n, n') \alpha$

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