

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

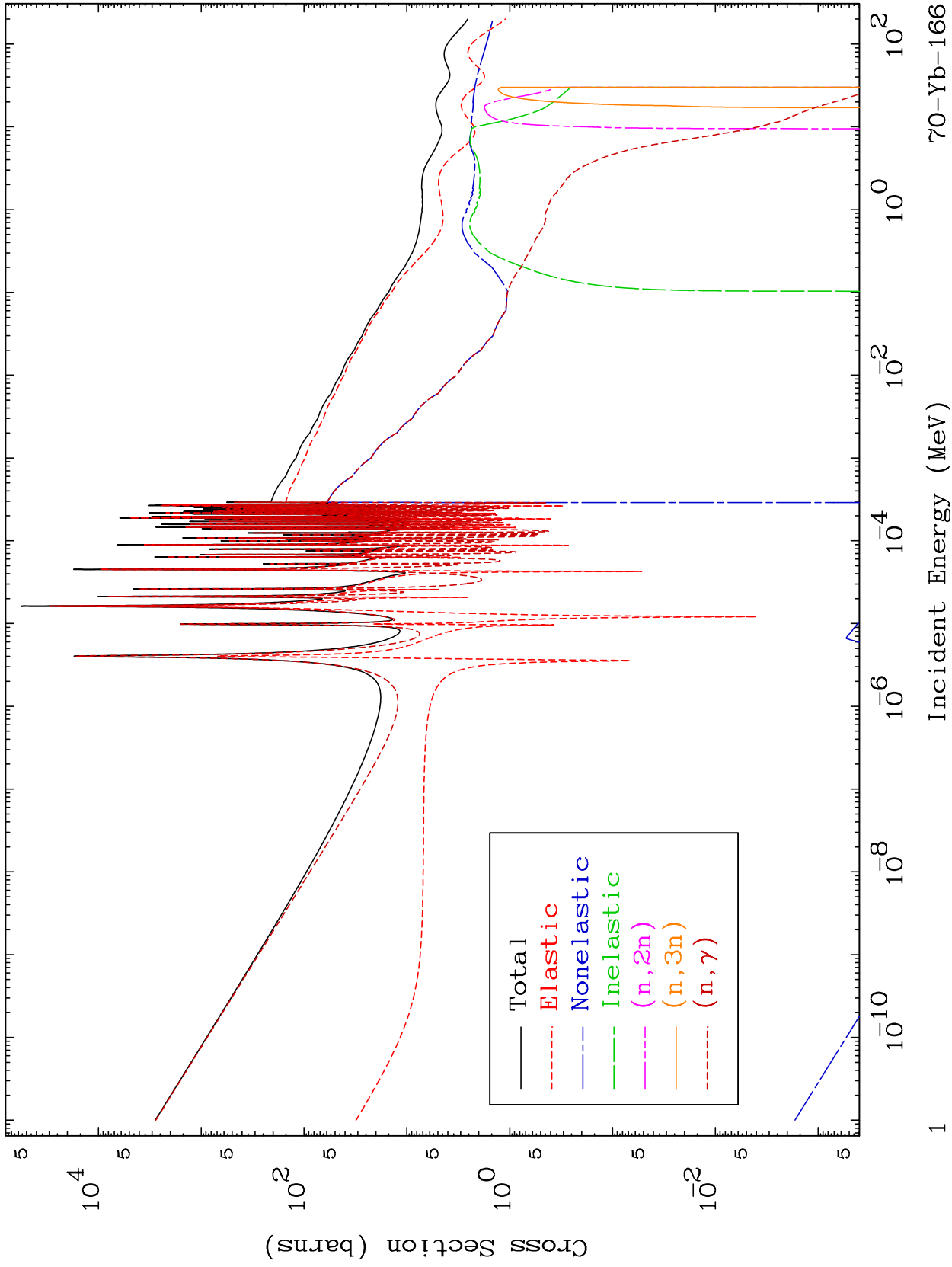
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Press Mouse Button to Start

MAT 7019

Neutron Major
293 Kelvin Cross Sections

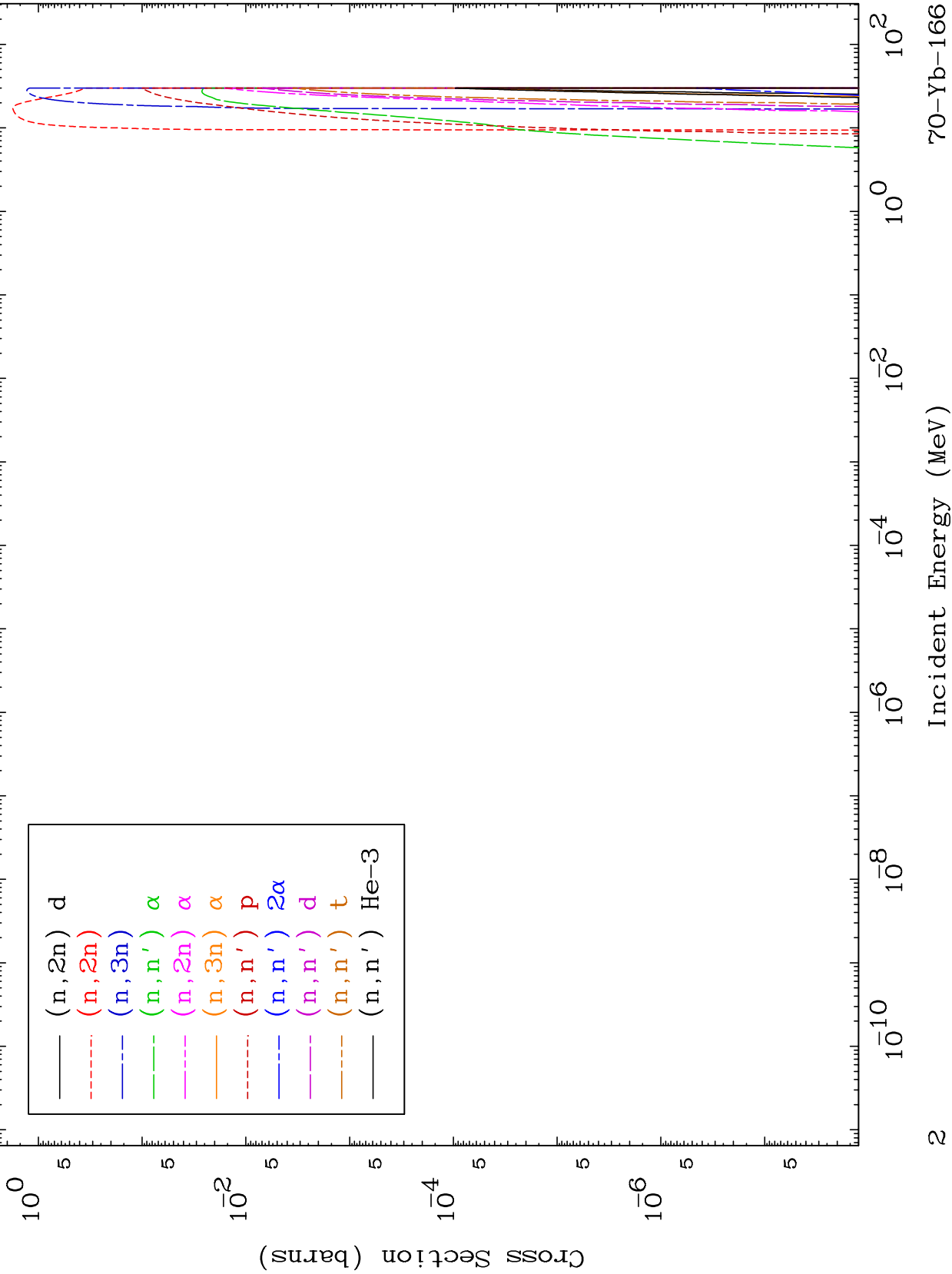
70-Yb-166

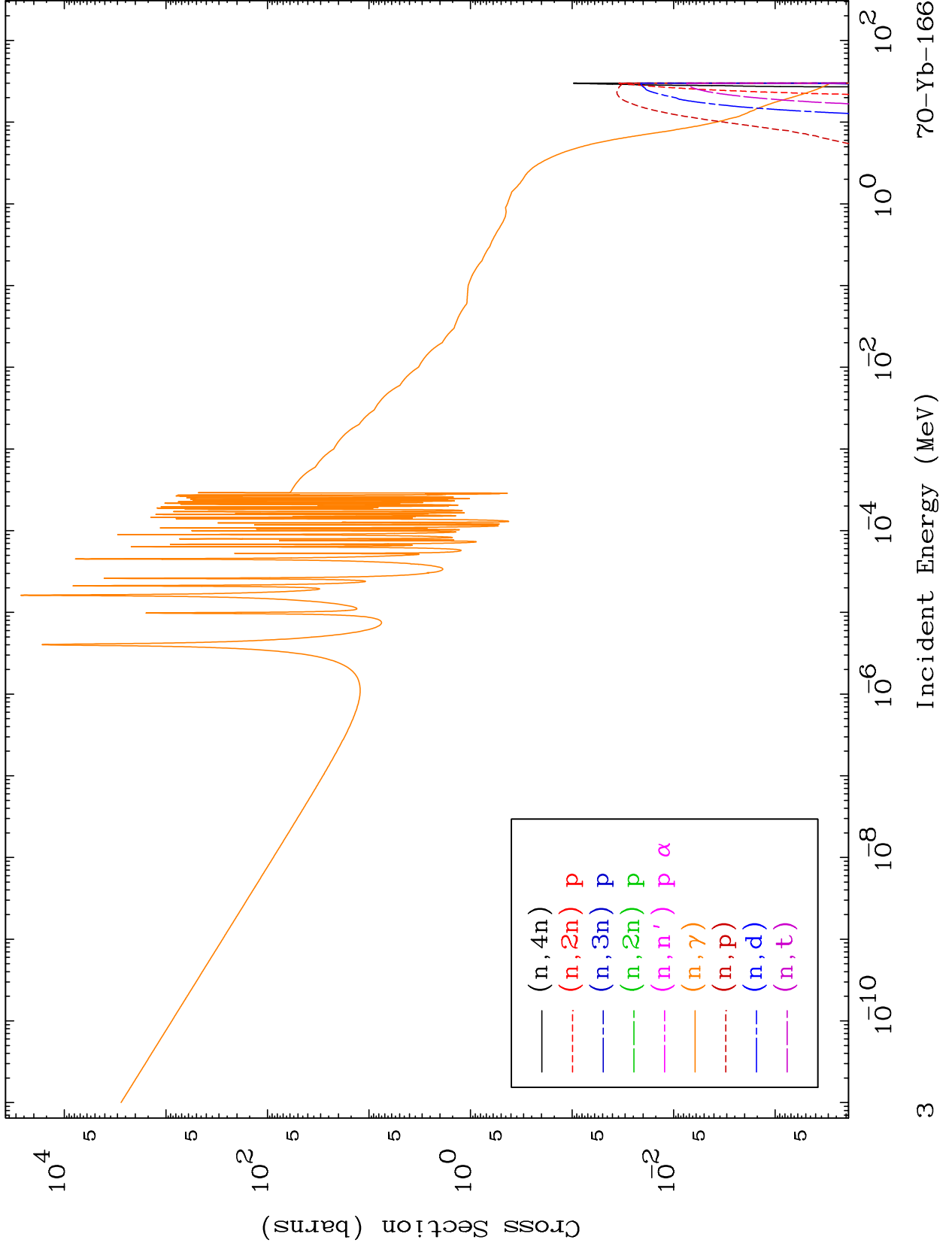


MAT 7019

Neutron Absorption
293 Kelvin Cross Sections

70-Yb-166

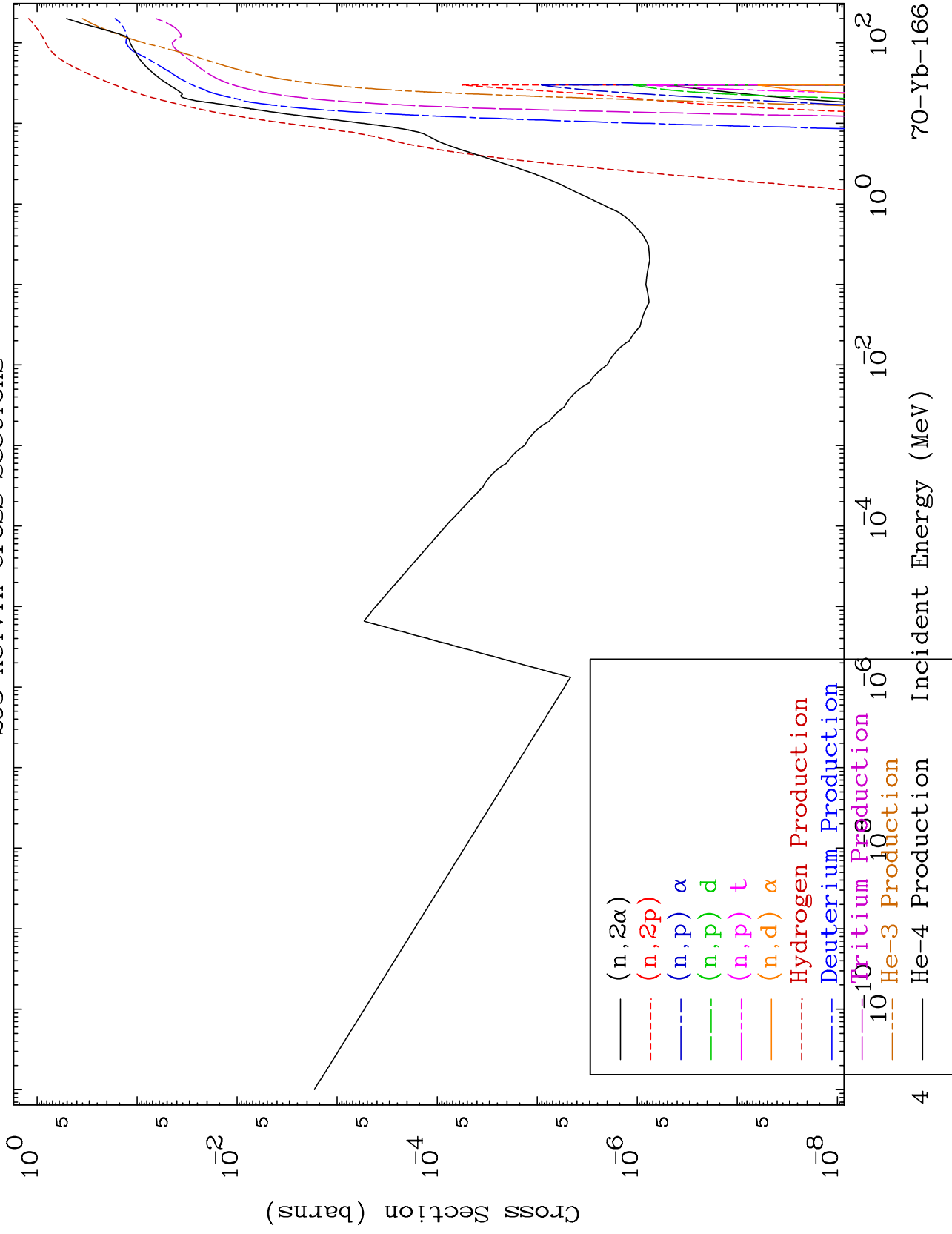




MAT 7019

Neutron Absorption
293 Kelvin Cross Sections

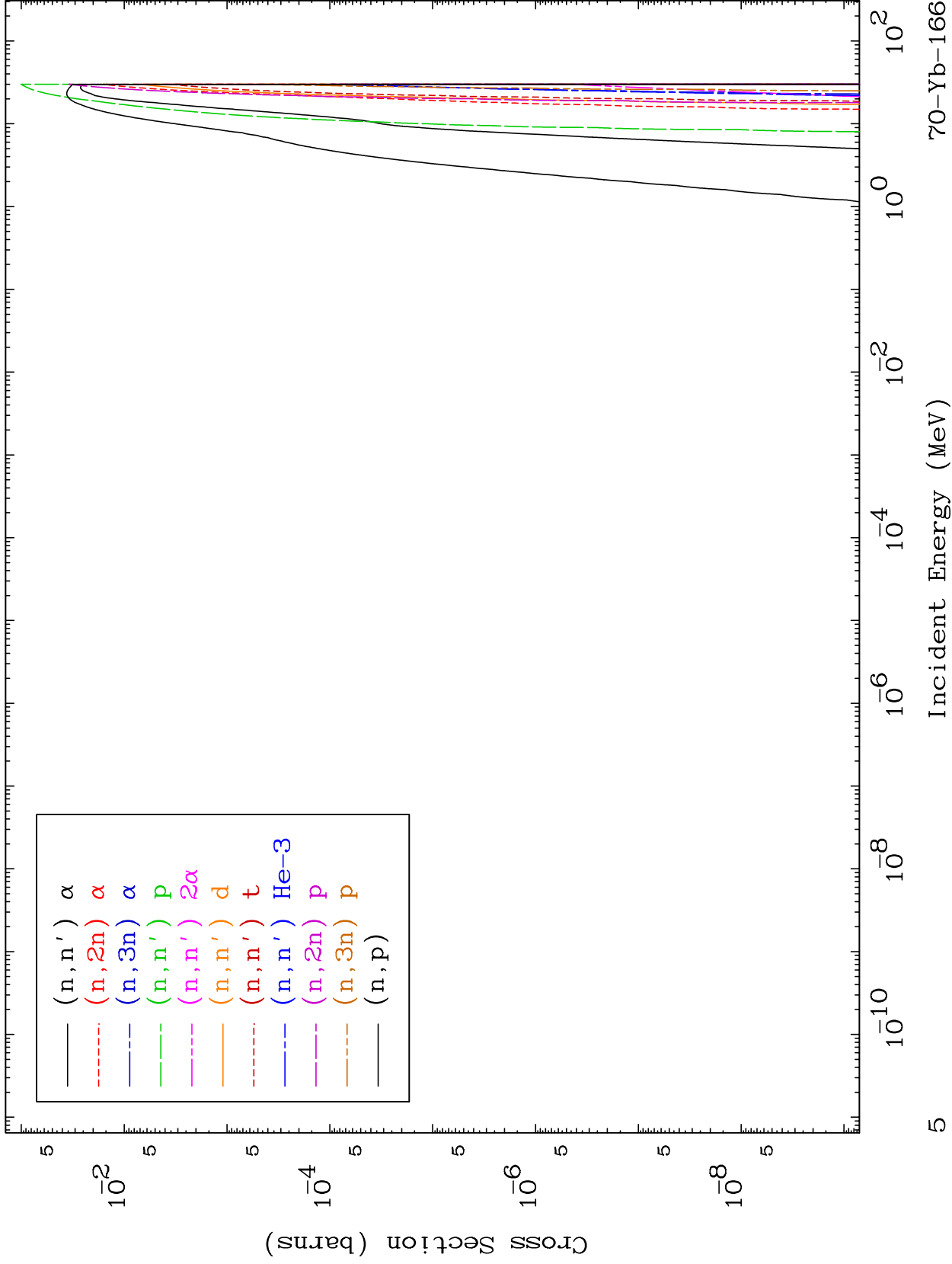
70-Yb-166



70-Yb-166

Incident Energy (MeV)

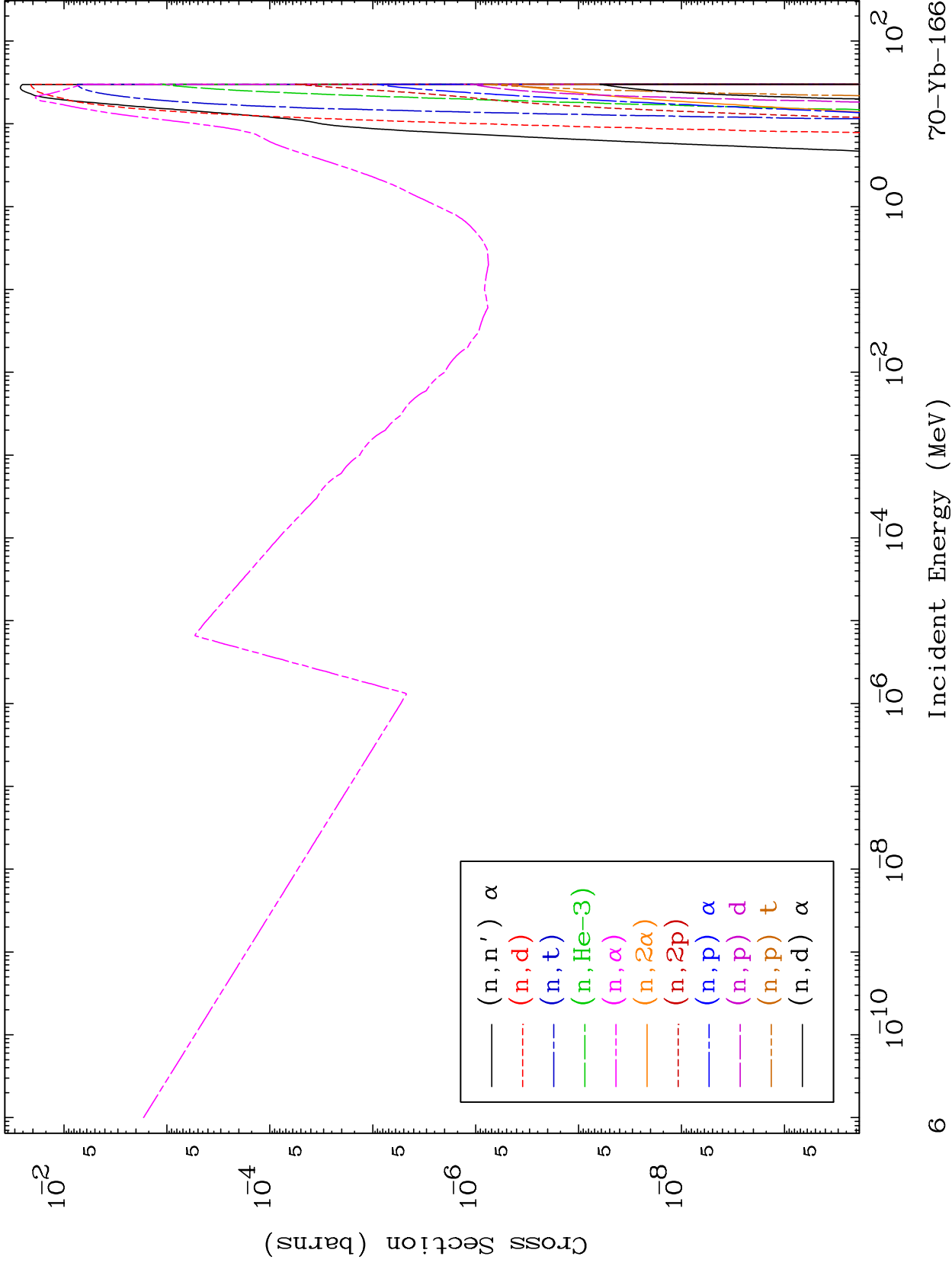
4



MAT 7019

Charged Particle
293 Kelvin Cross Sections

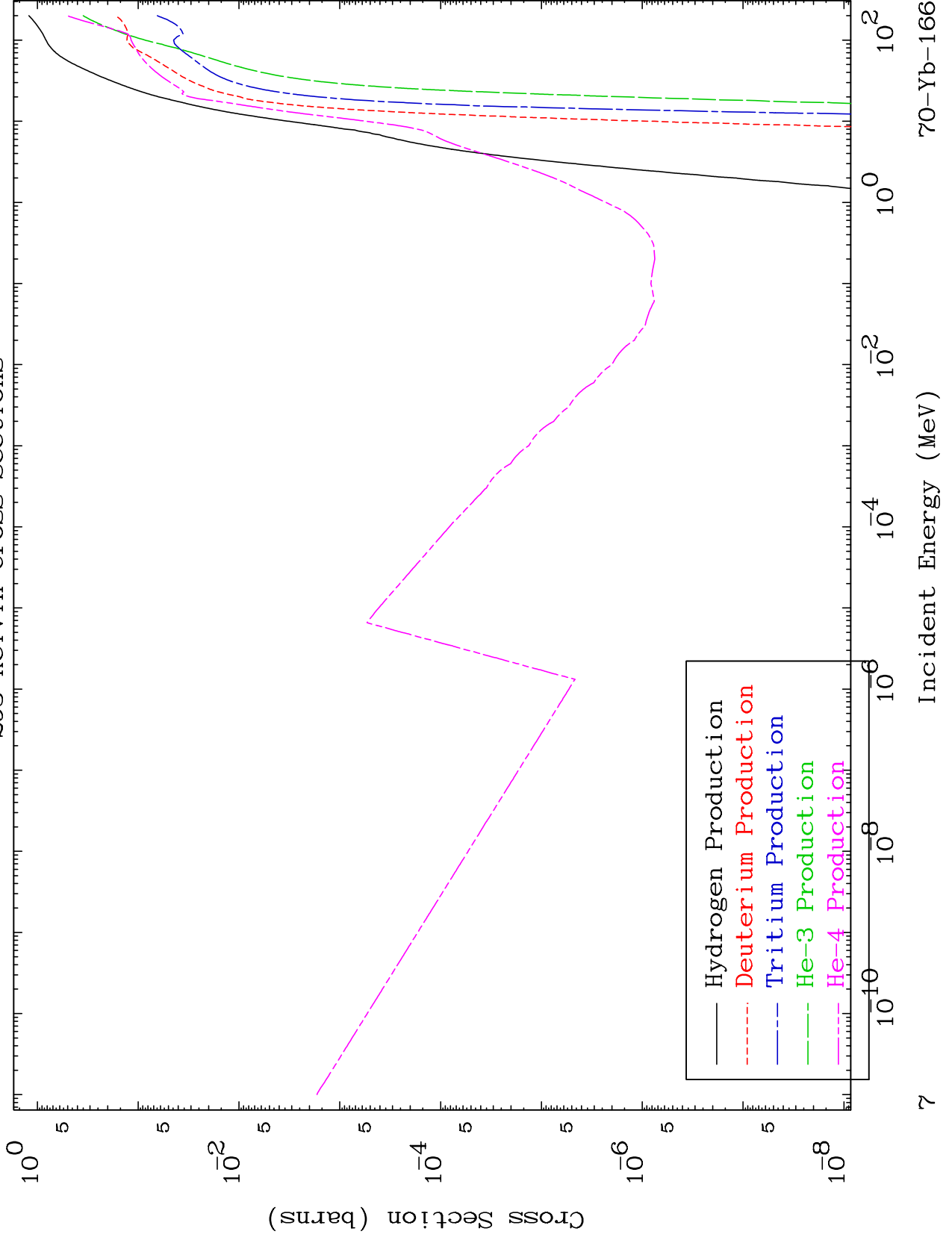
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MAT 7019

Particle Production
293 Kelvin Cross Sections

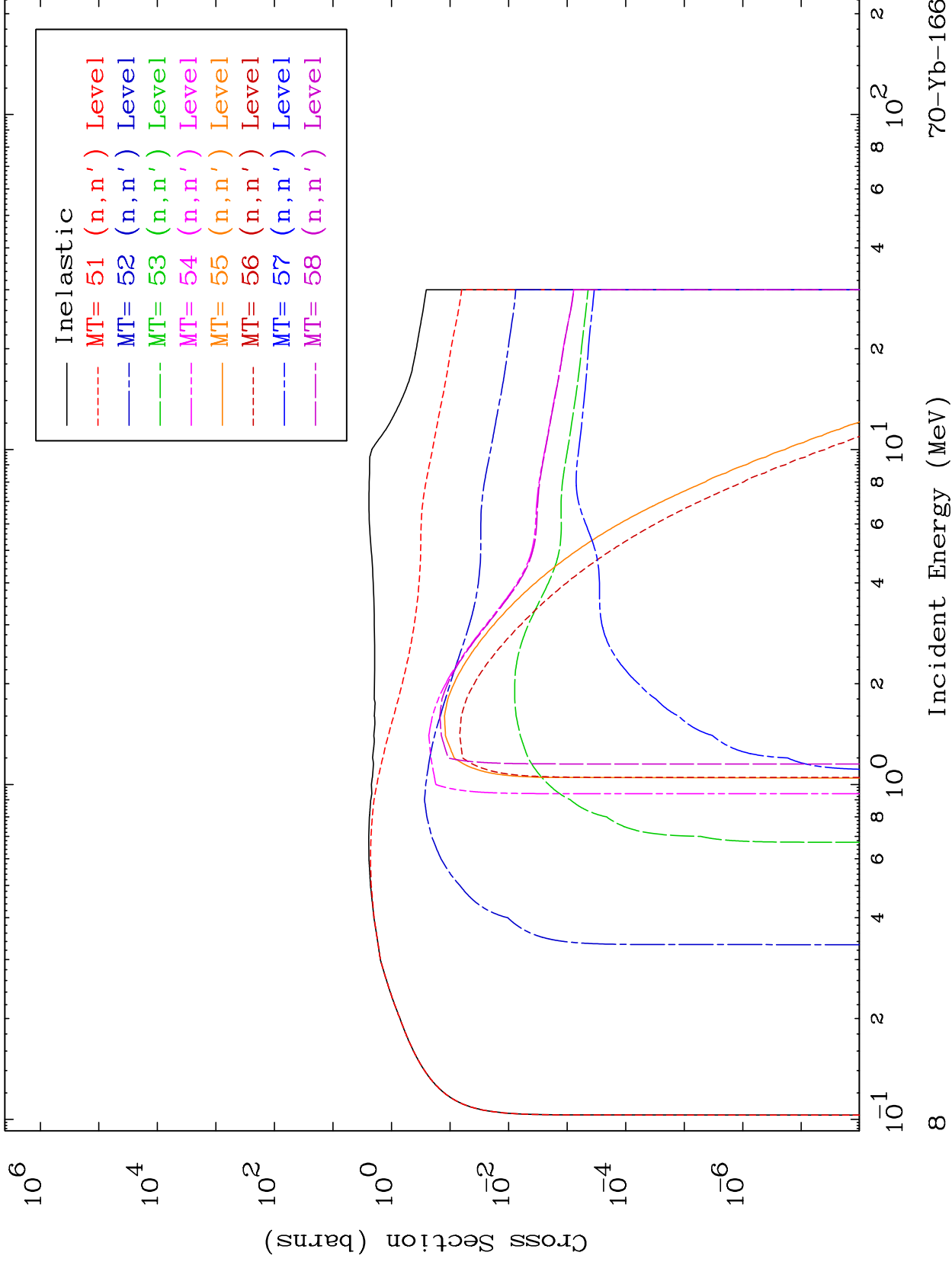
70-Yb-166



MAT 7019

(n,n') Levels
293 Kelvin Cross Sections

70-Yb-166



70-Yb-166

Incident Energy (MeV)

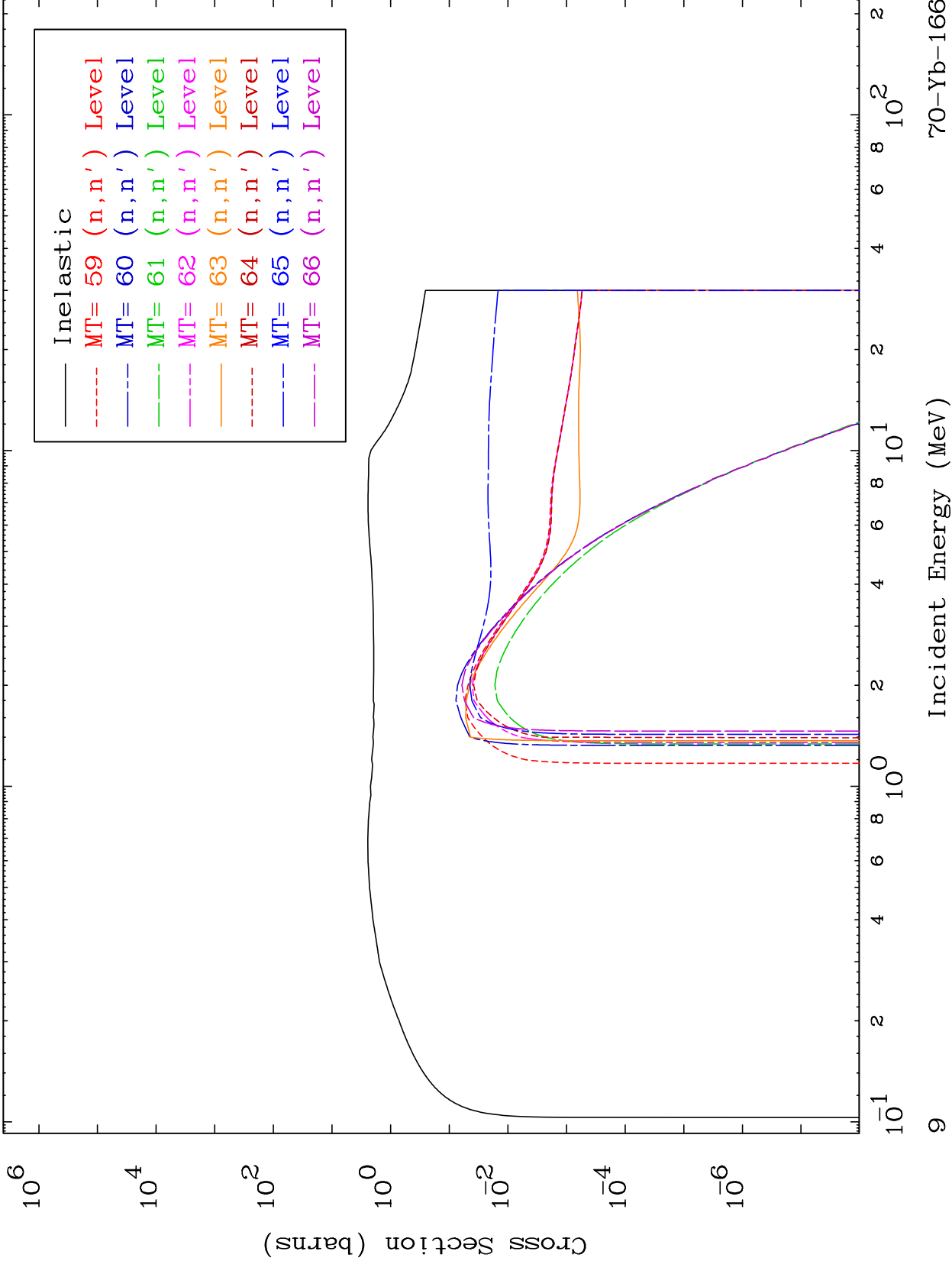
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MAT 7019

(n,n') Levels

70-Yb-166

293 Kelvin Cross Sections



70-Yb-166

Incident Energy (MeV)

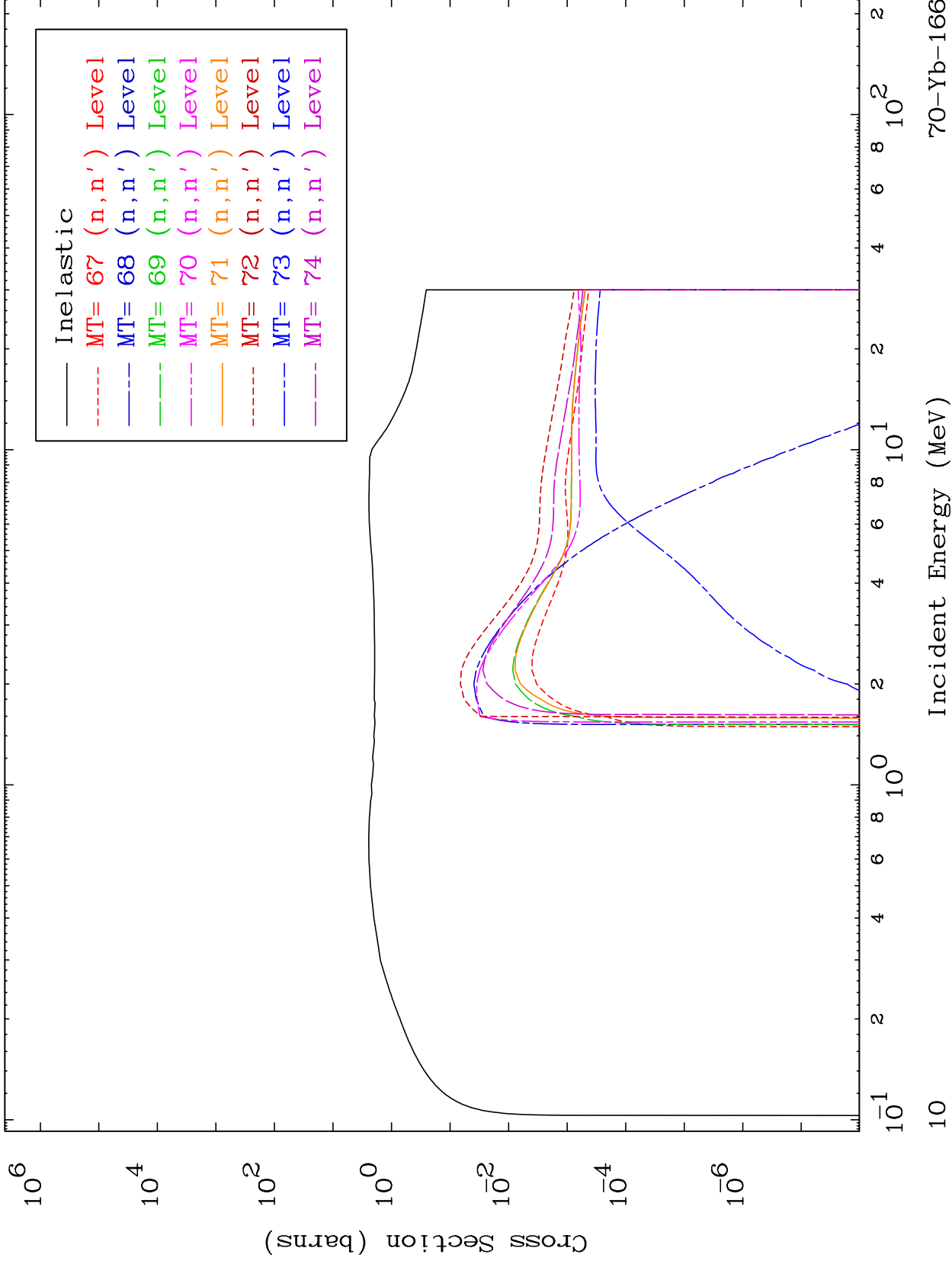
9

MAT 7019

(n,n') Levels

293 Kelvin Cross Sections

70-Yb-166



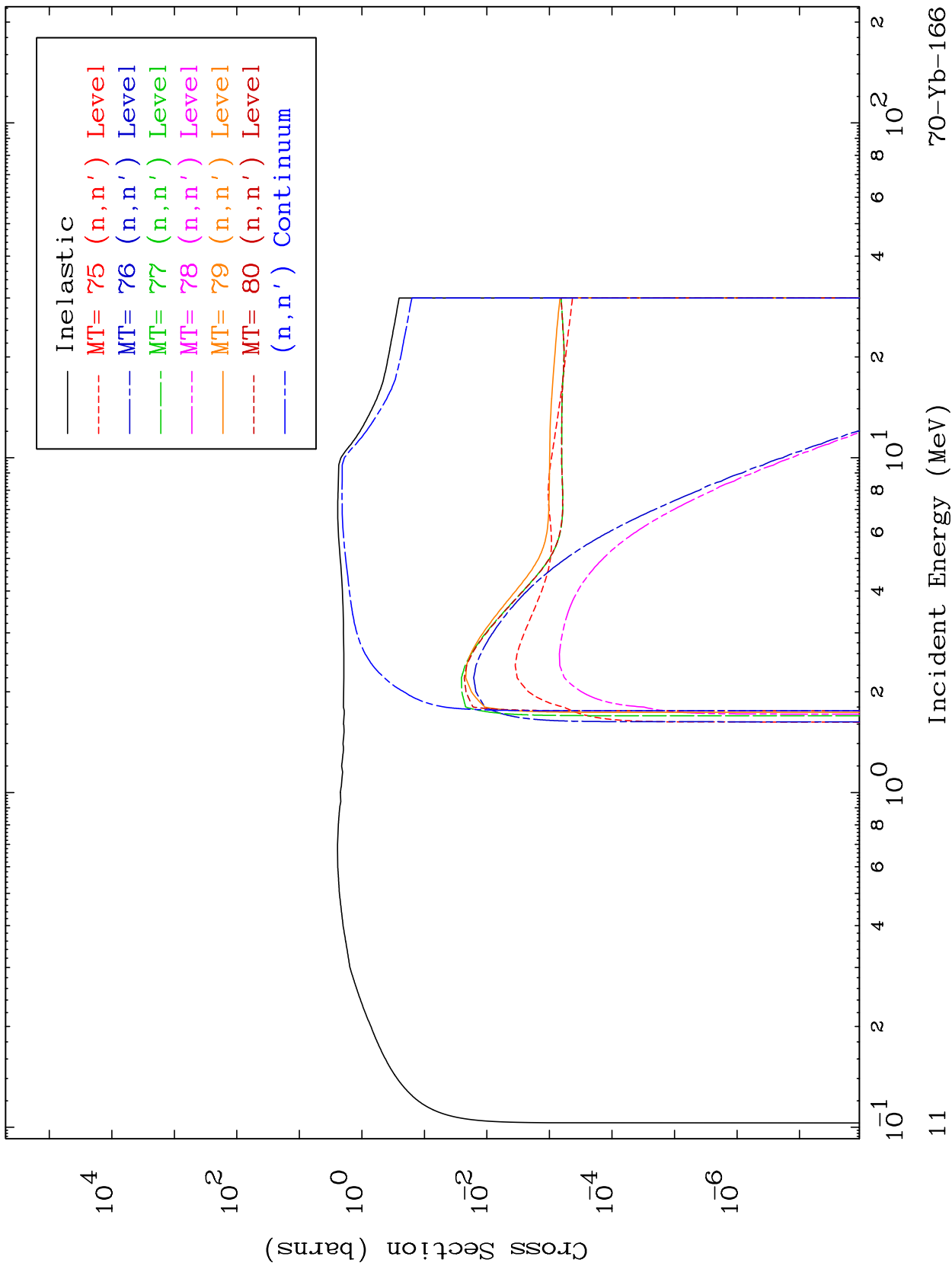
70-Yb-166

Incident Energy (MeV)

MAT 7019

(n,n') Levels
293 Kelvin Cross Sections

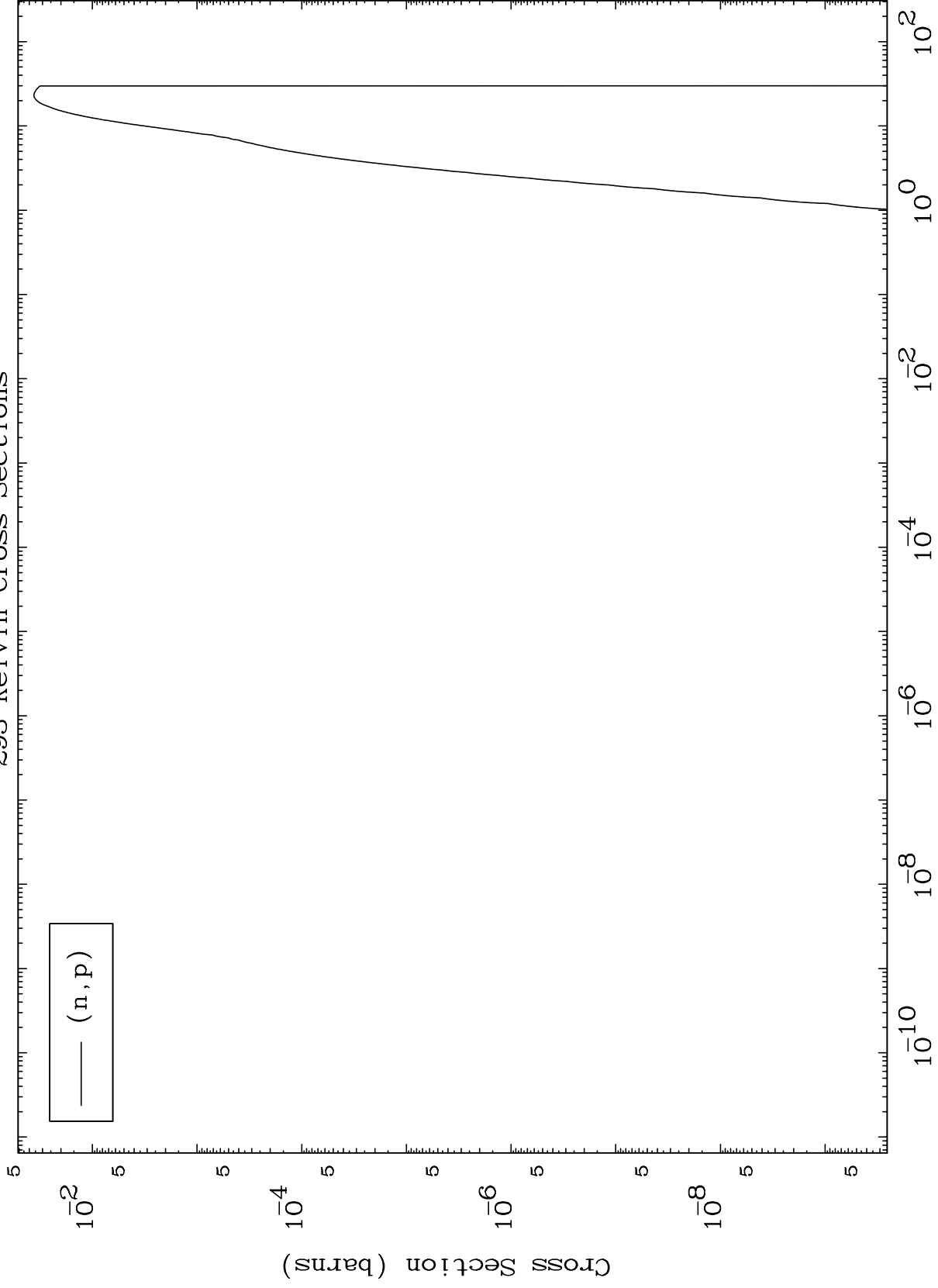
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MAT 7019

(n,p) Levels
293 Kelvin Cross Sections

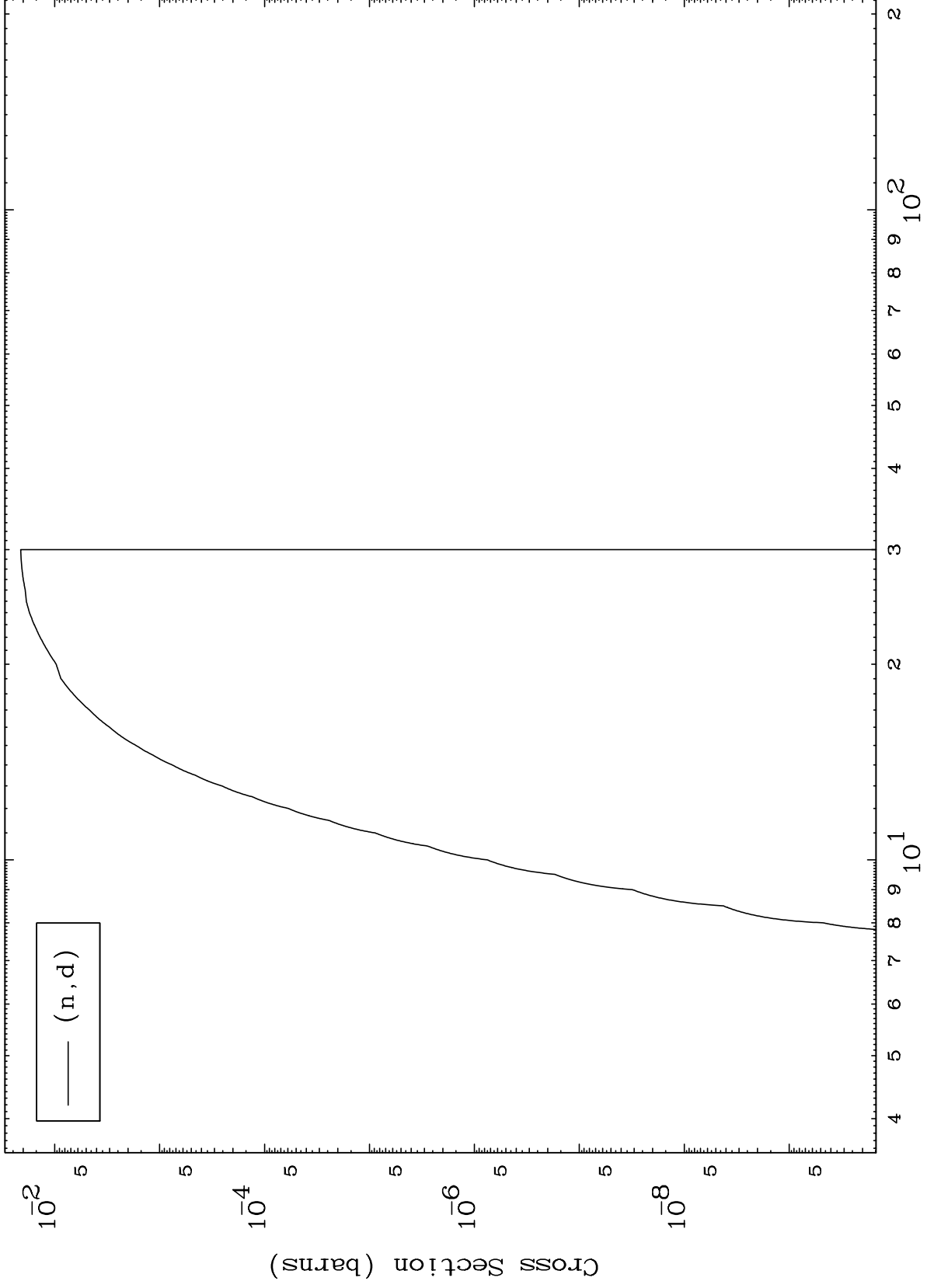
70-Yb-166



MAT 7019

(n,d) Levels
293 Kelvin Cross Sections

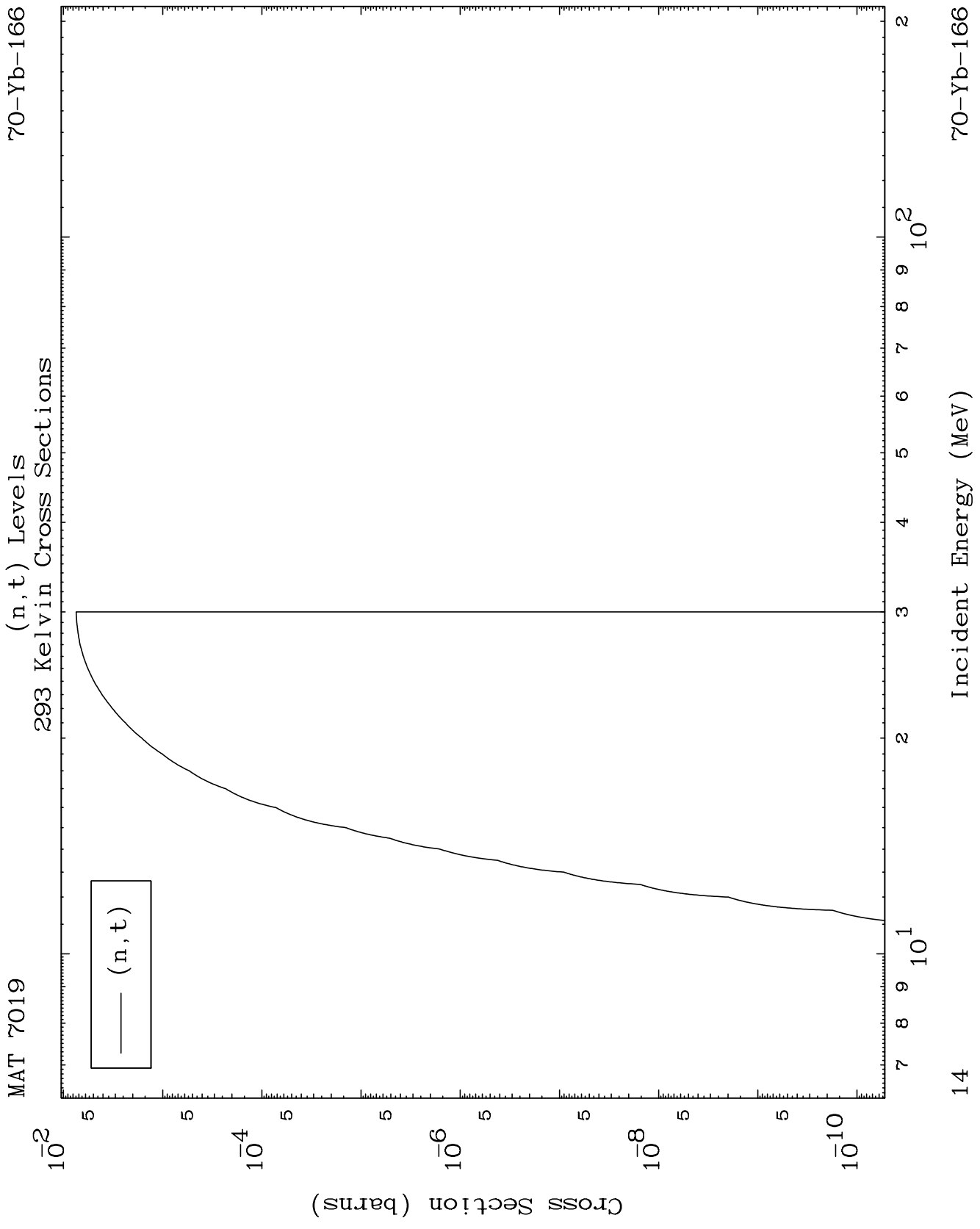
70-Yb-166



13

Incident Energy (MeV)

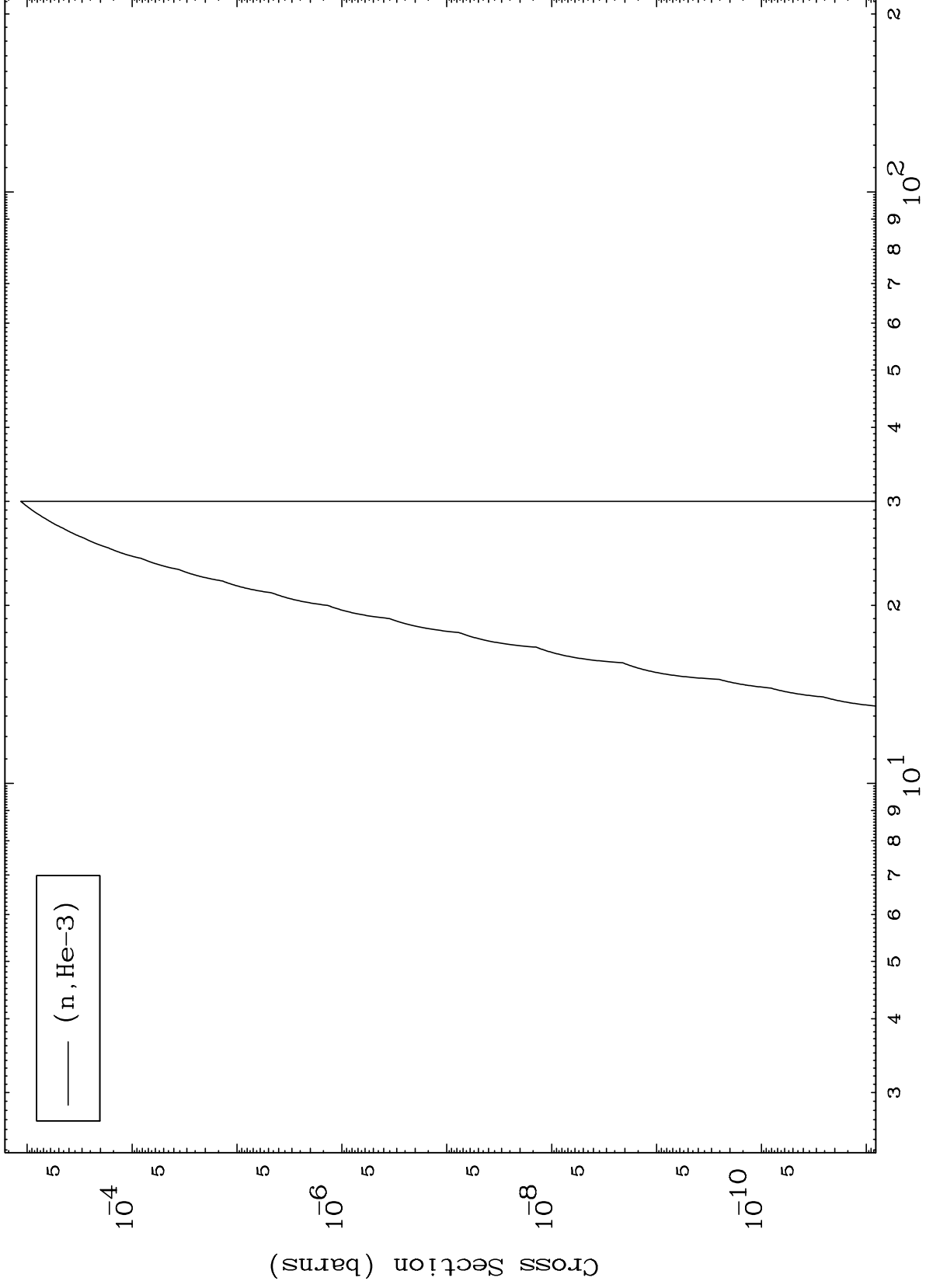
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MAT 7019

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-166



15

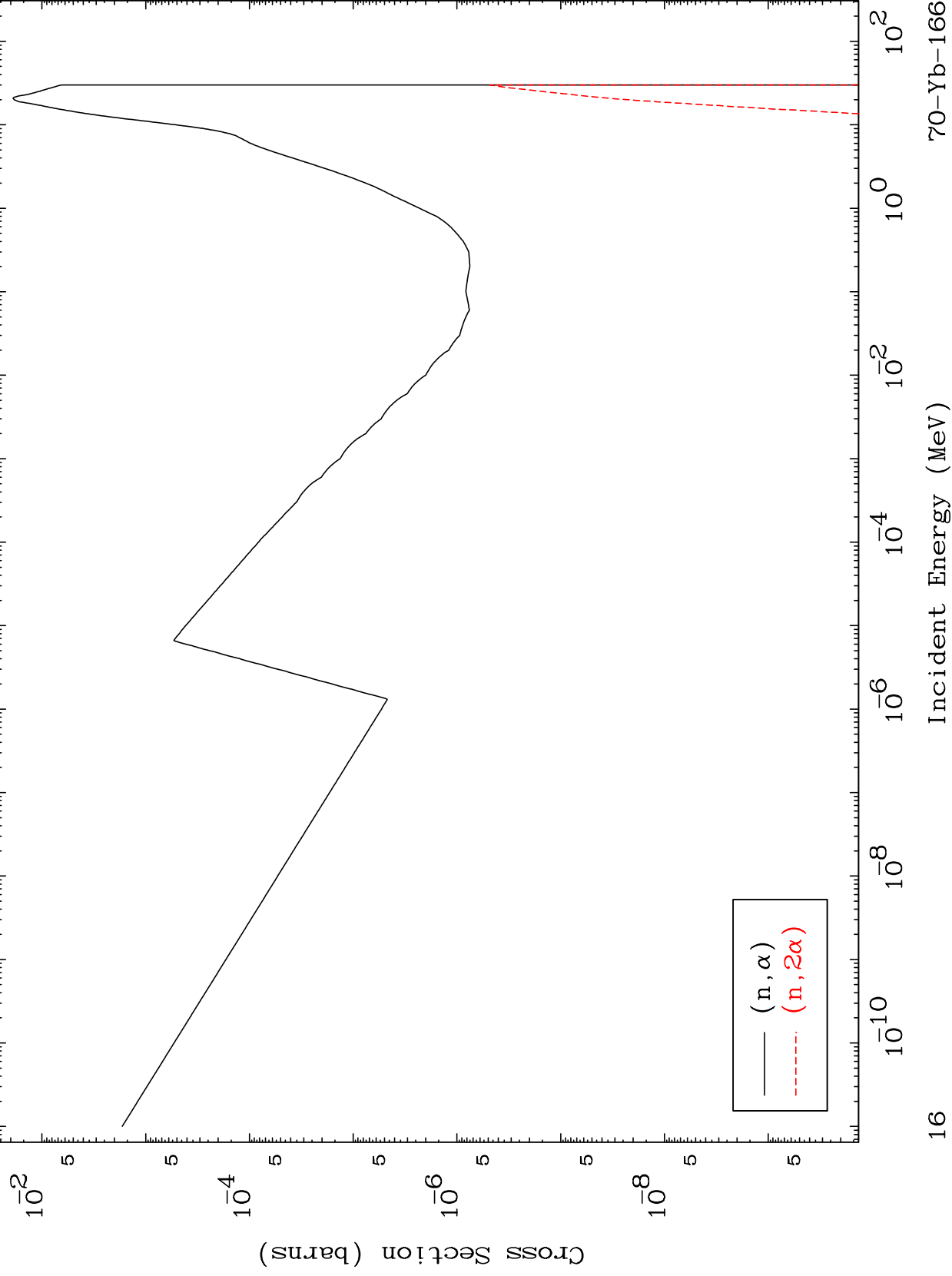
Incident Energy (MeV)

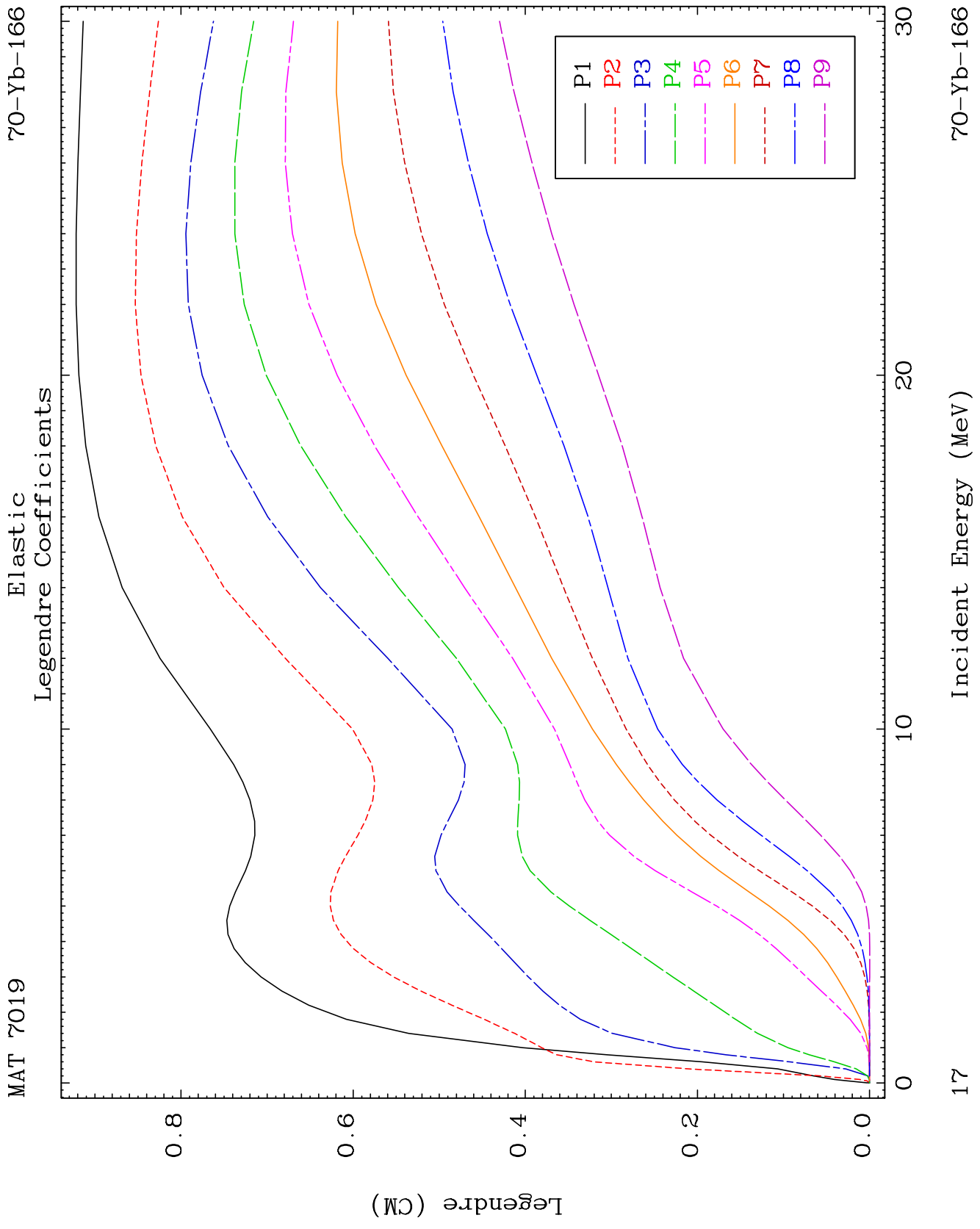
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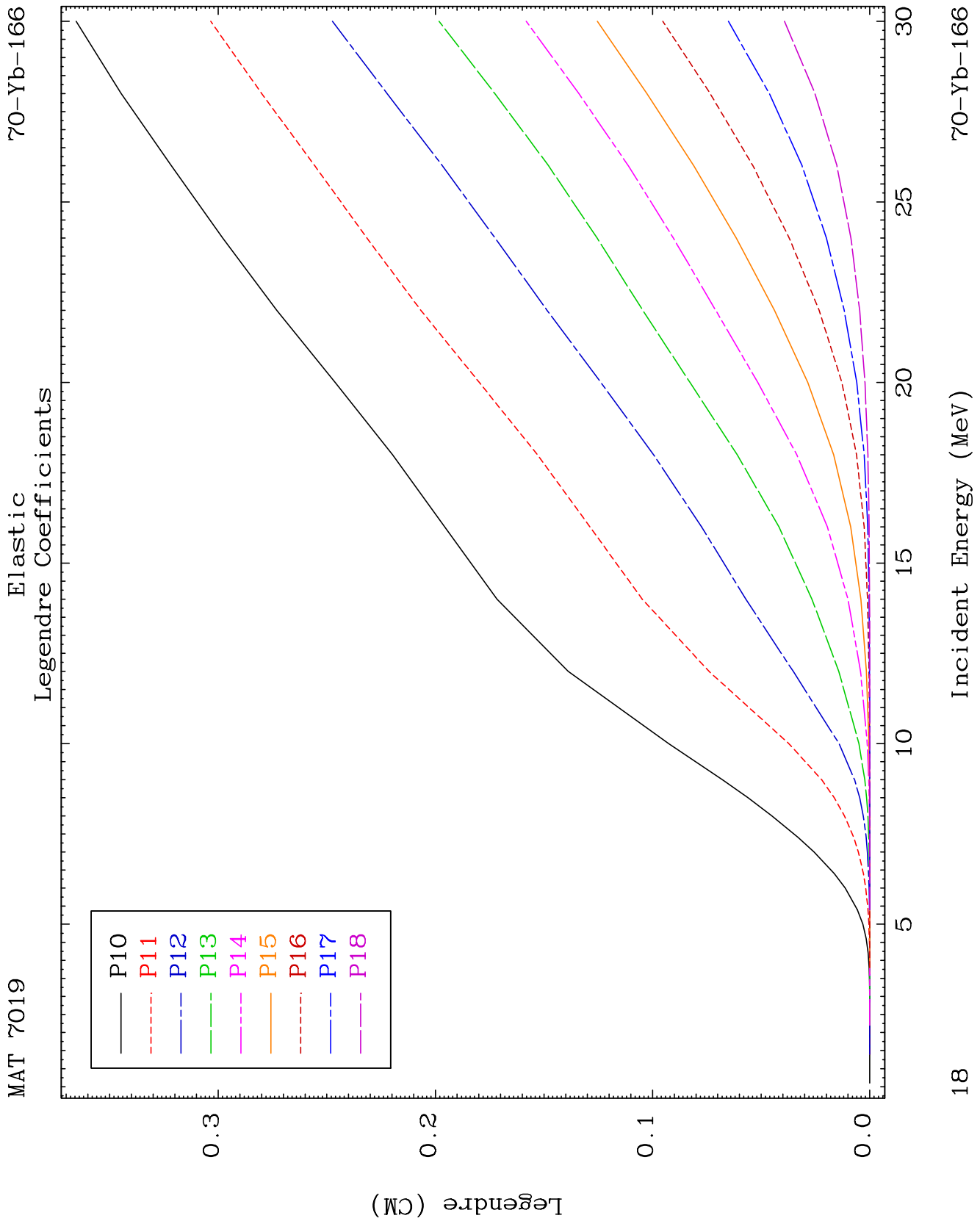
MAT 7019

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-166







MAT 7019

Elastic Legendre Coefficients

70-Yb-166

18

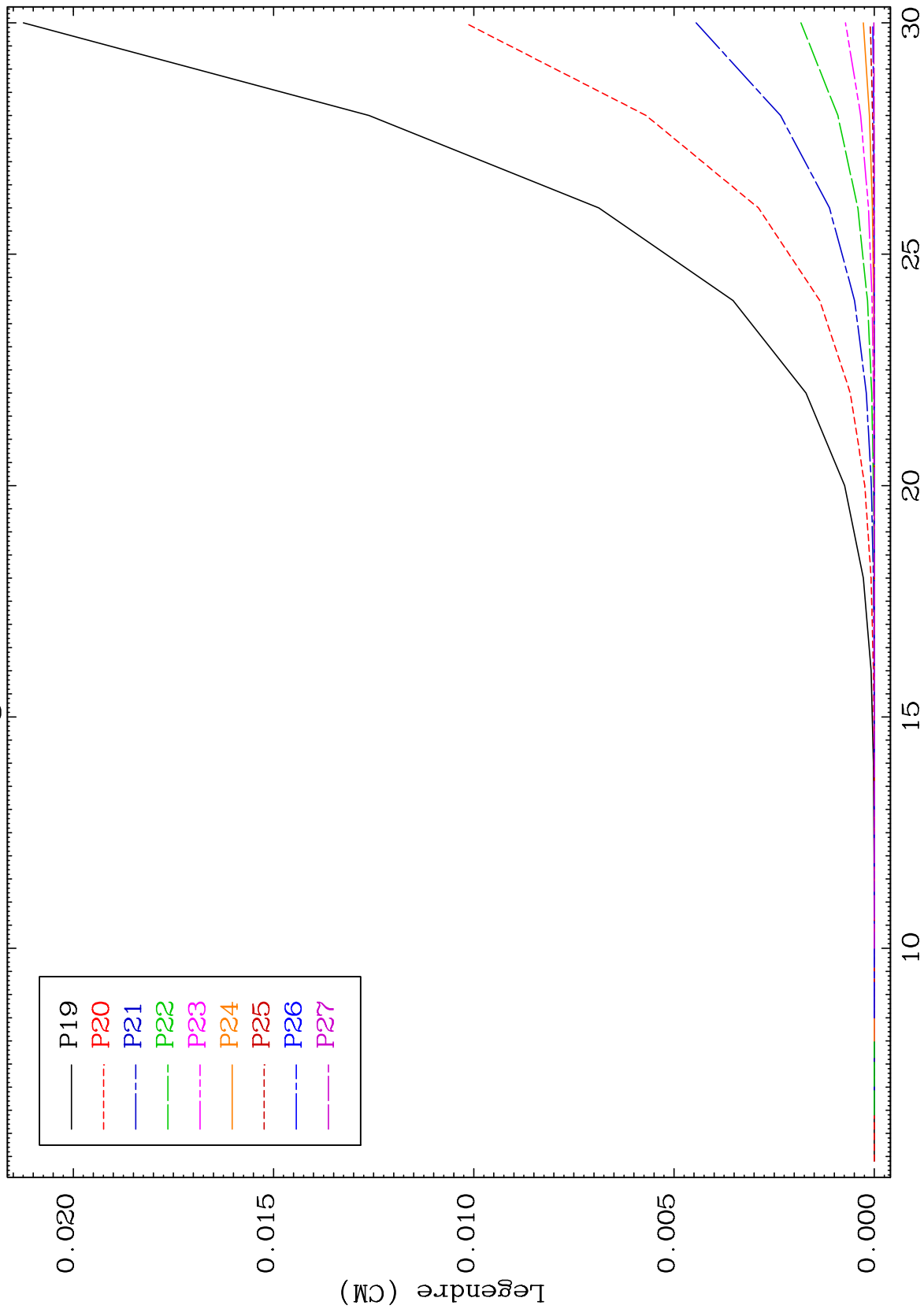
Incident Energy (MeV)

70-Yb-166

MAT 7019

Elastic
Legendre Coefficients

70-Yb-166



19

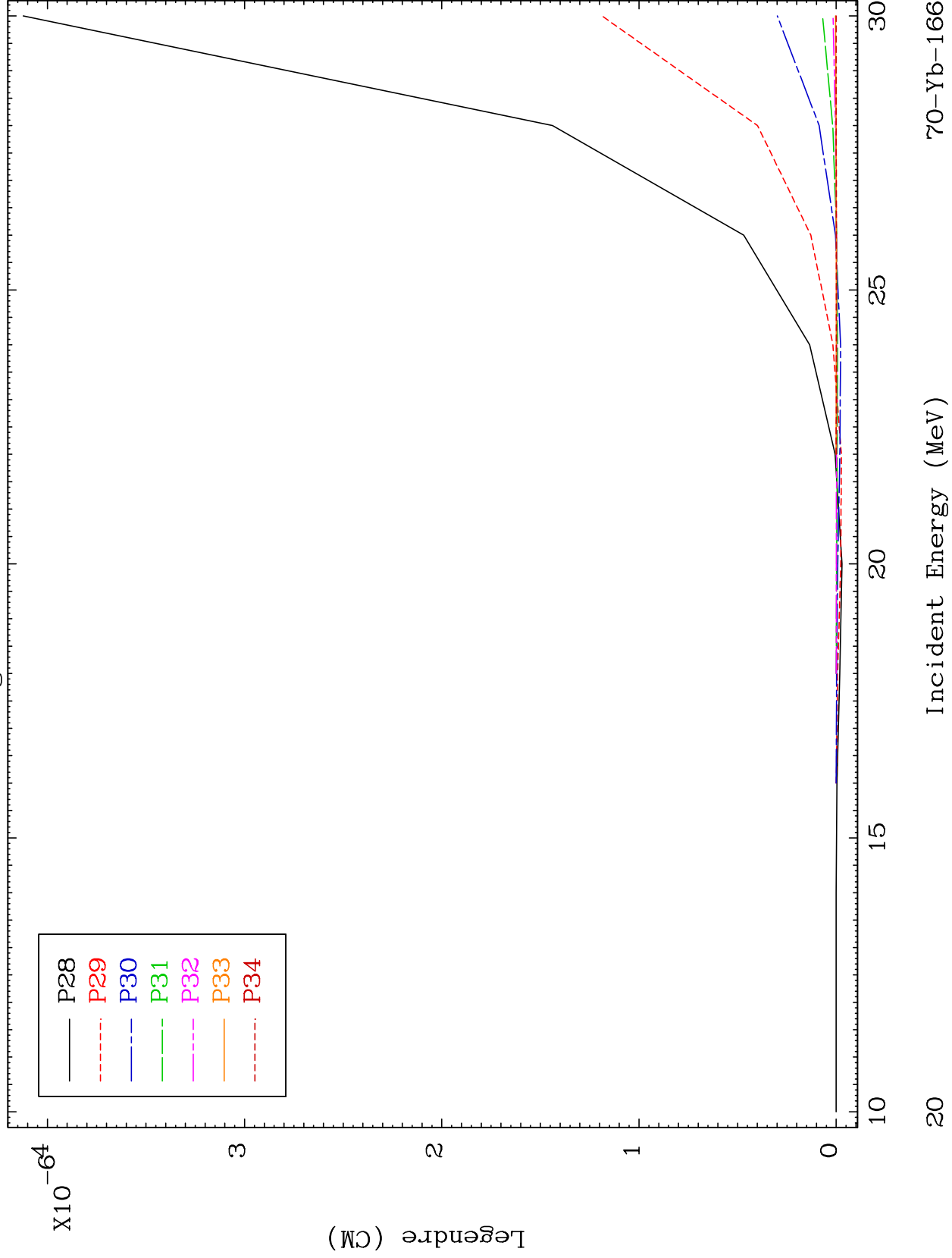
Incident Energy (MeV)

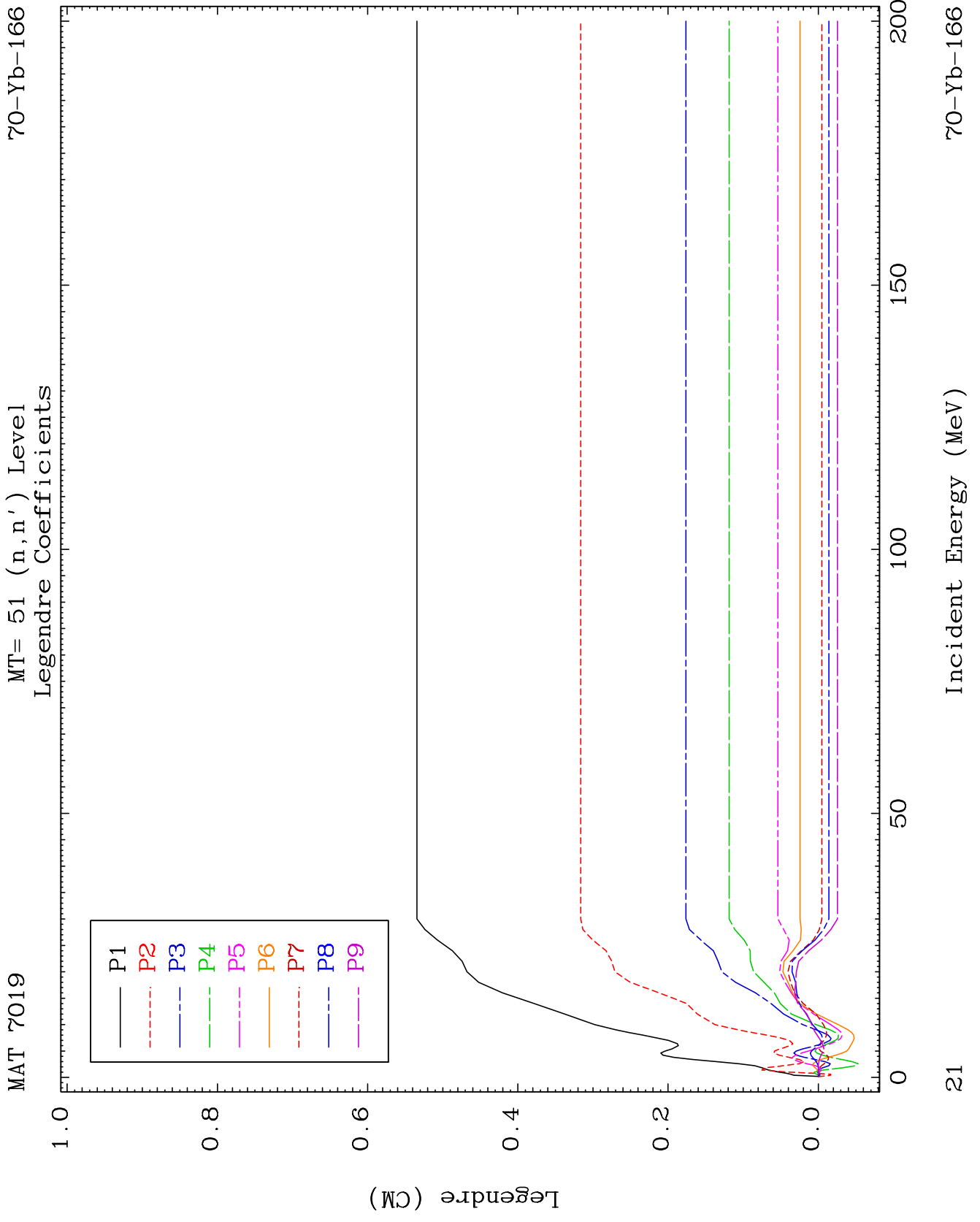
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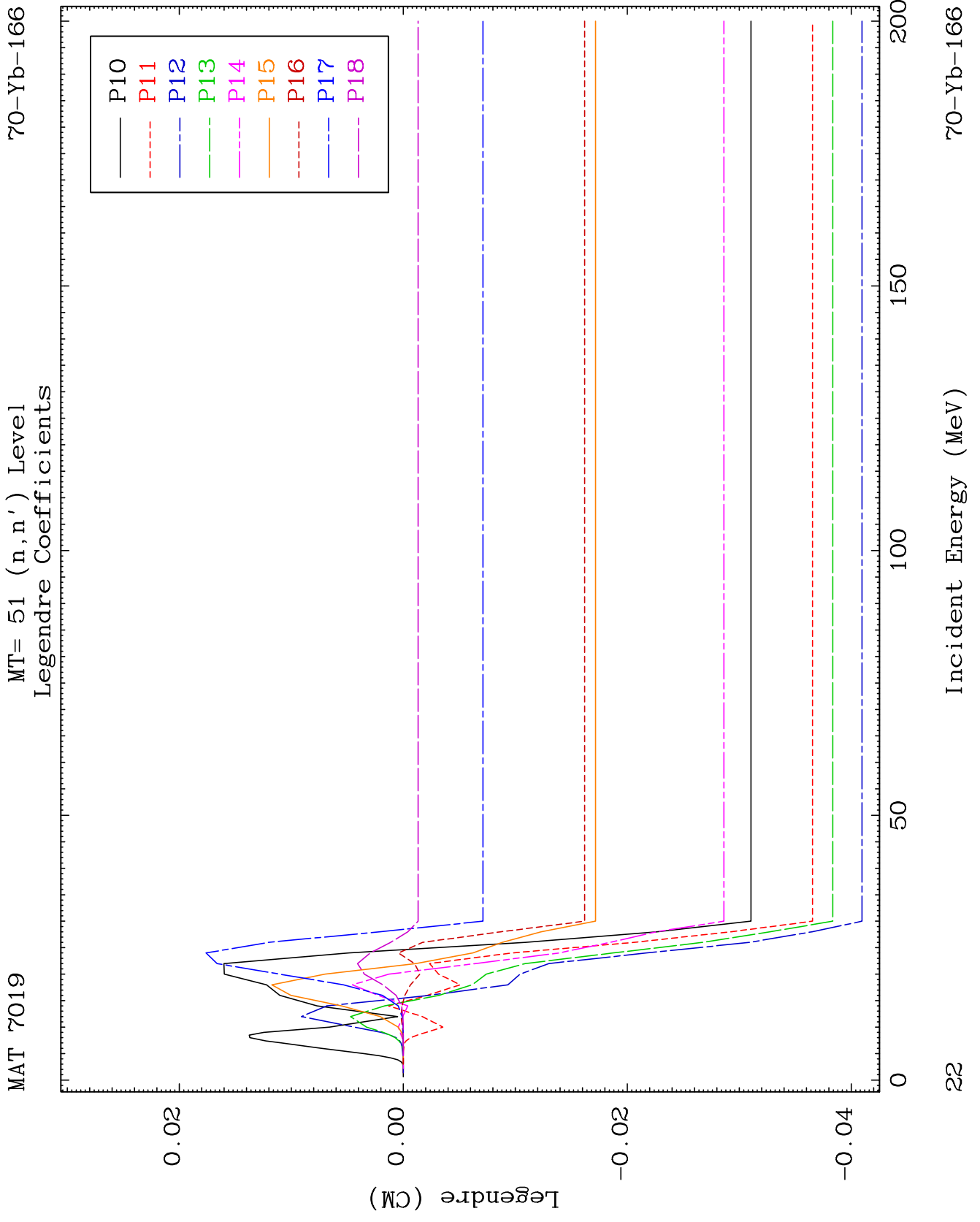
MAT 7019

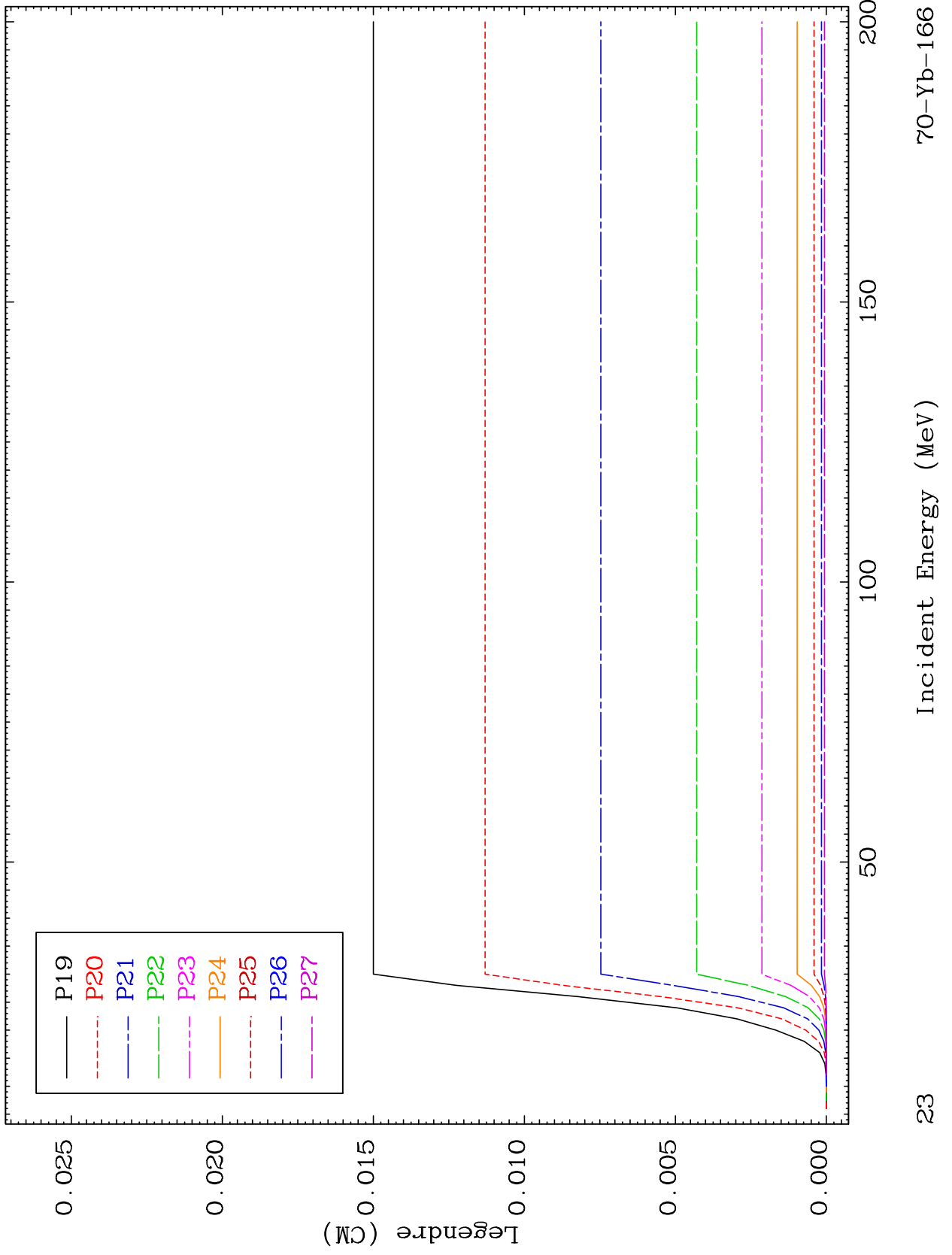
Elastic
Legendre Coefficients

70-Yb-166





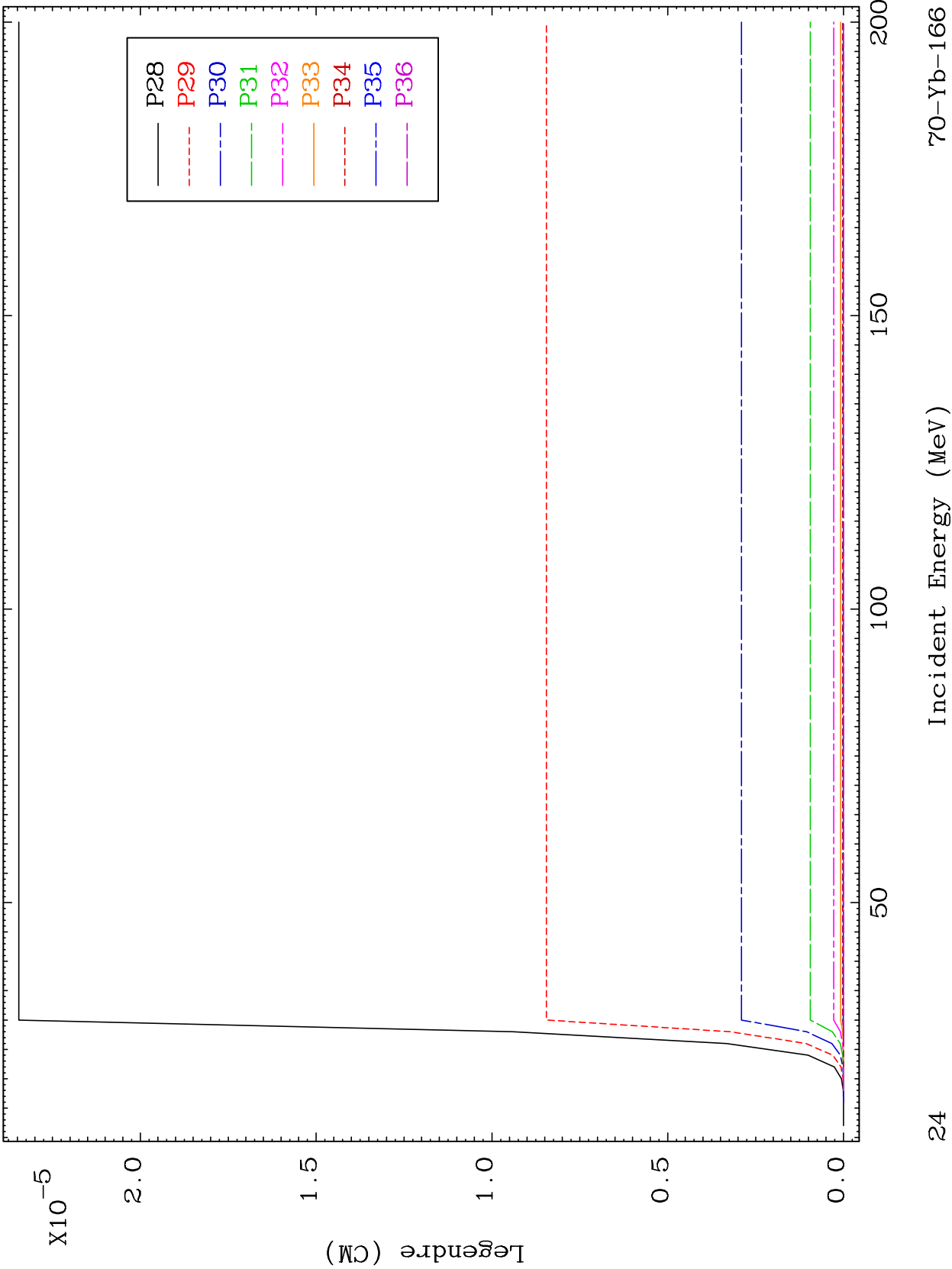




MAT 7019

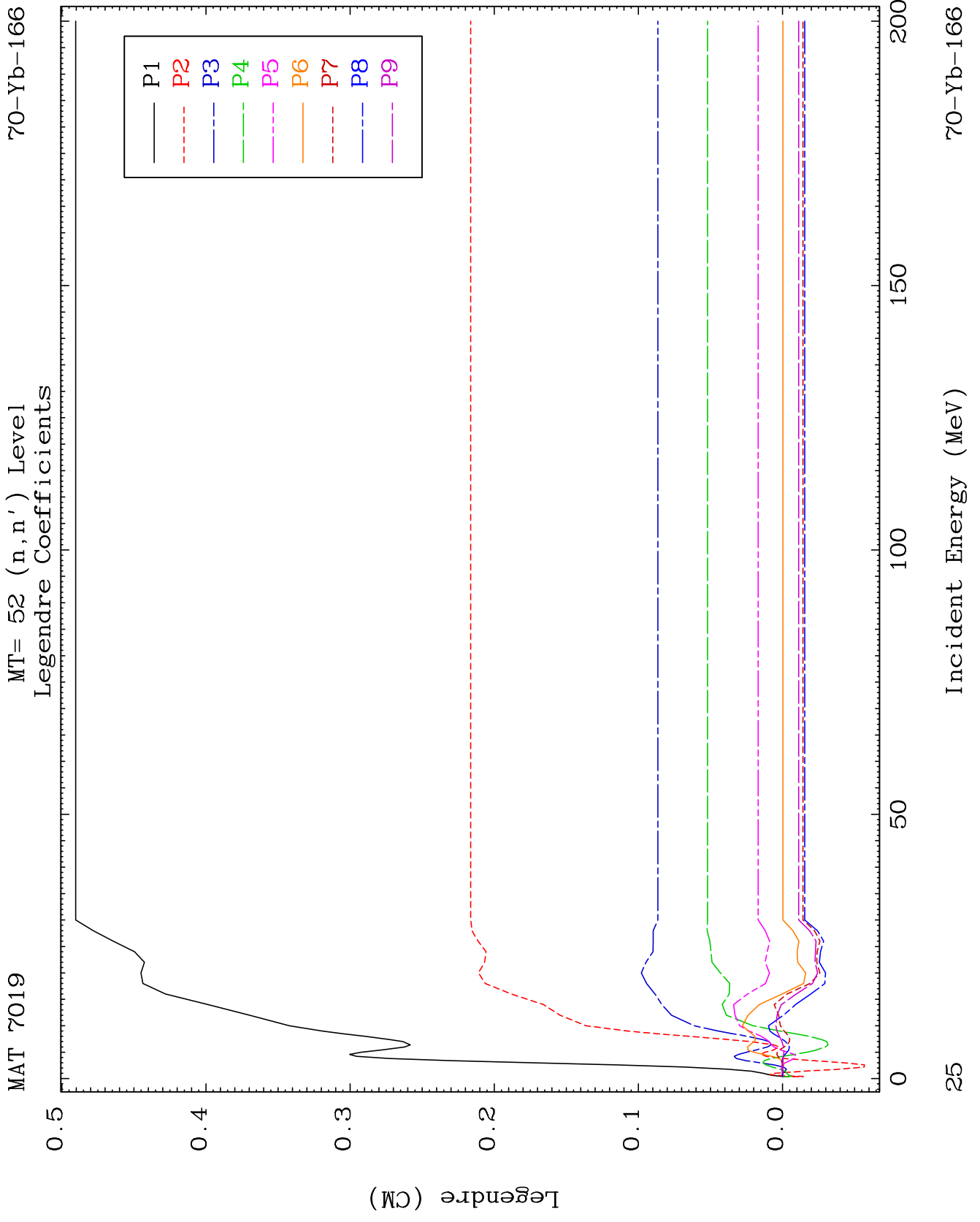
MT= 51 (n,n') Level
Legendre Coefficients

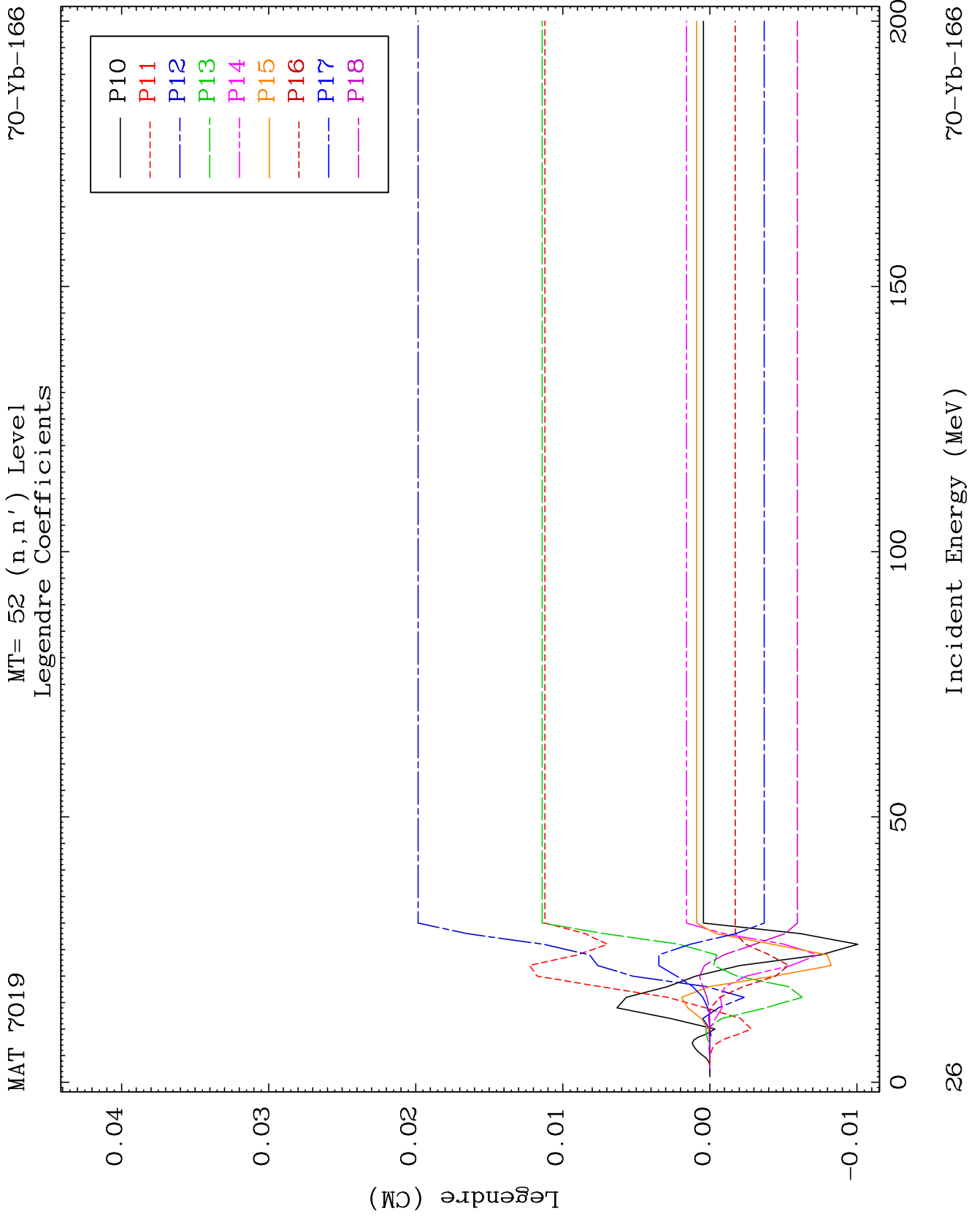
70-Yb-166

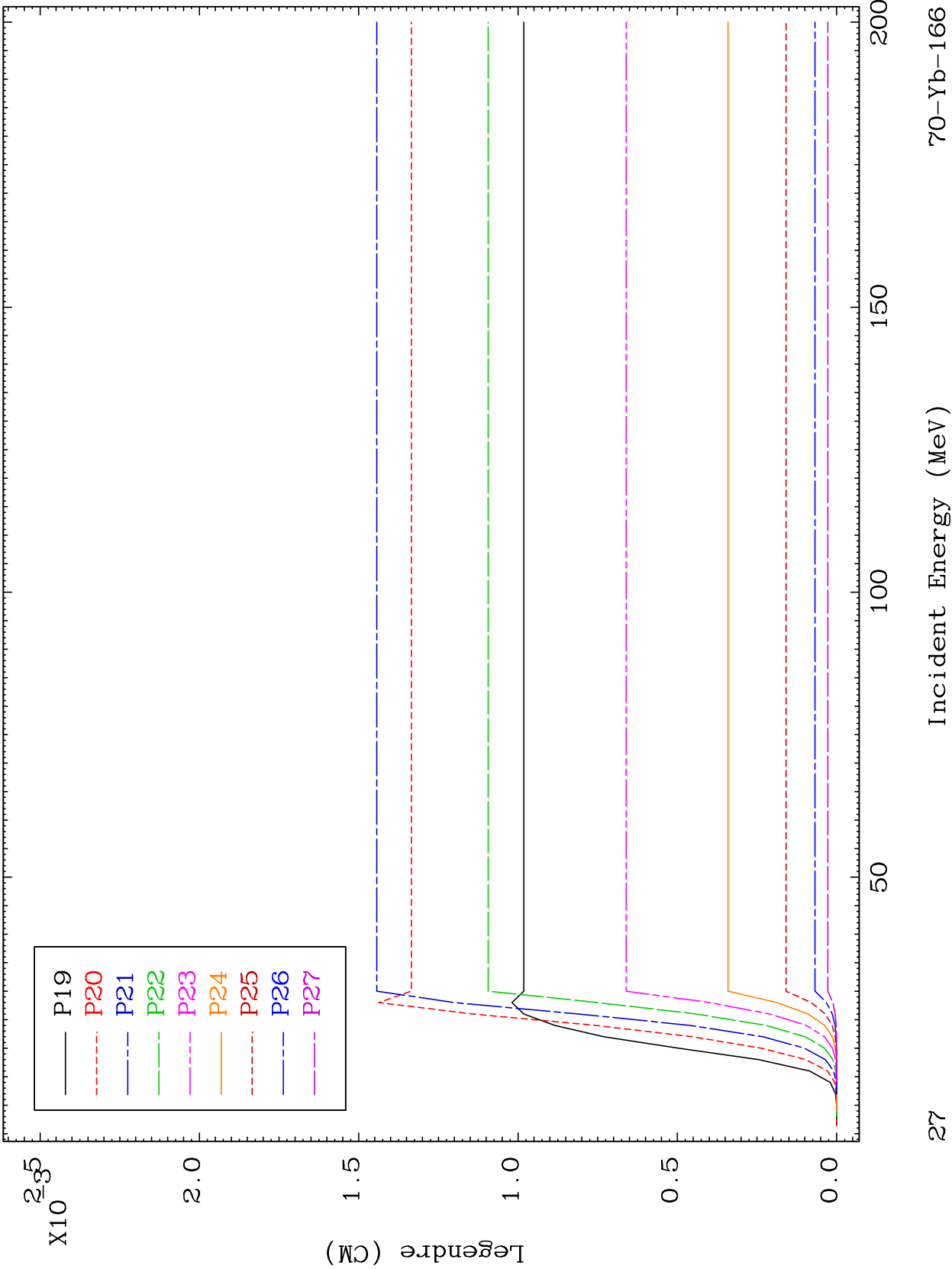


24

70-Yb-166



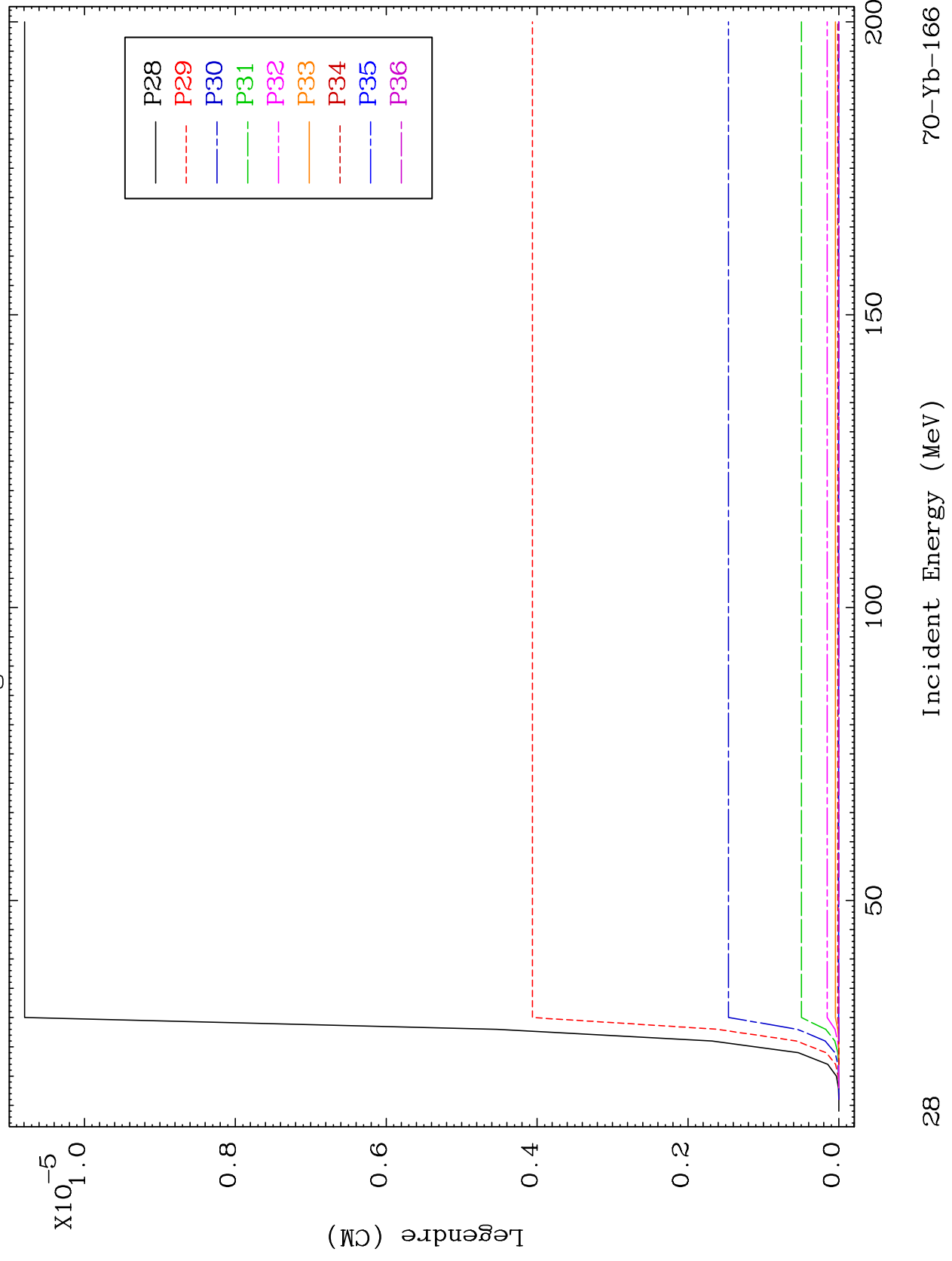




MAT 7019

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

70-Yb-166



70-Yb-166

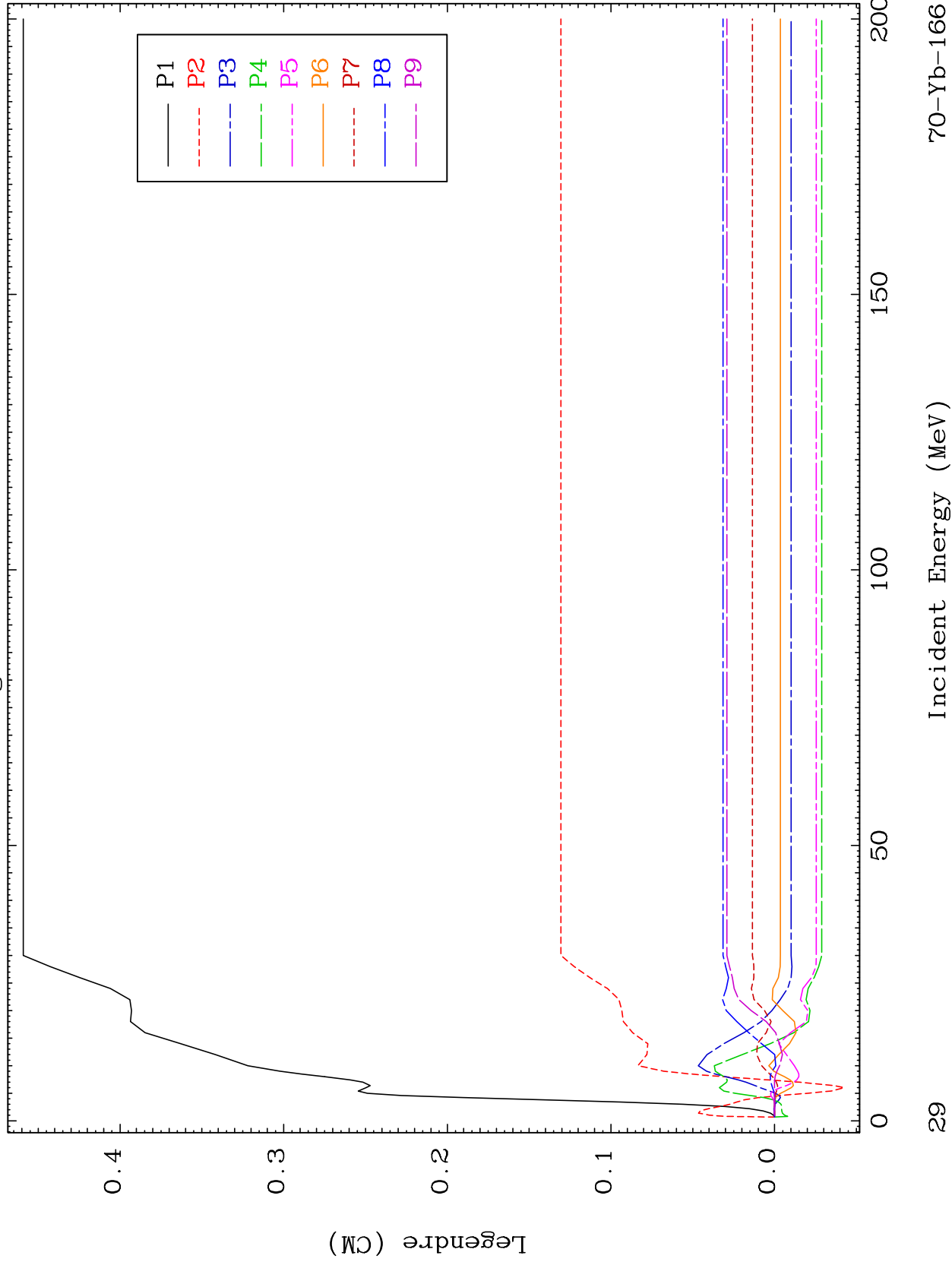
Incident Energy (MeV)

28

MAT 7019

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

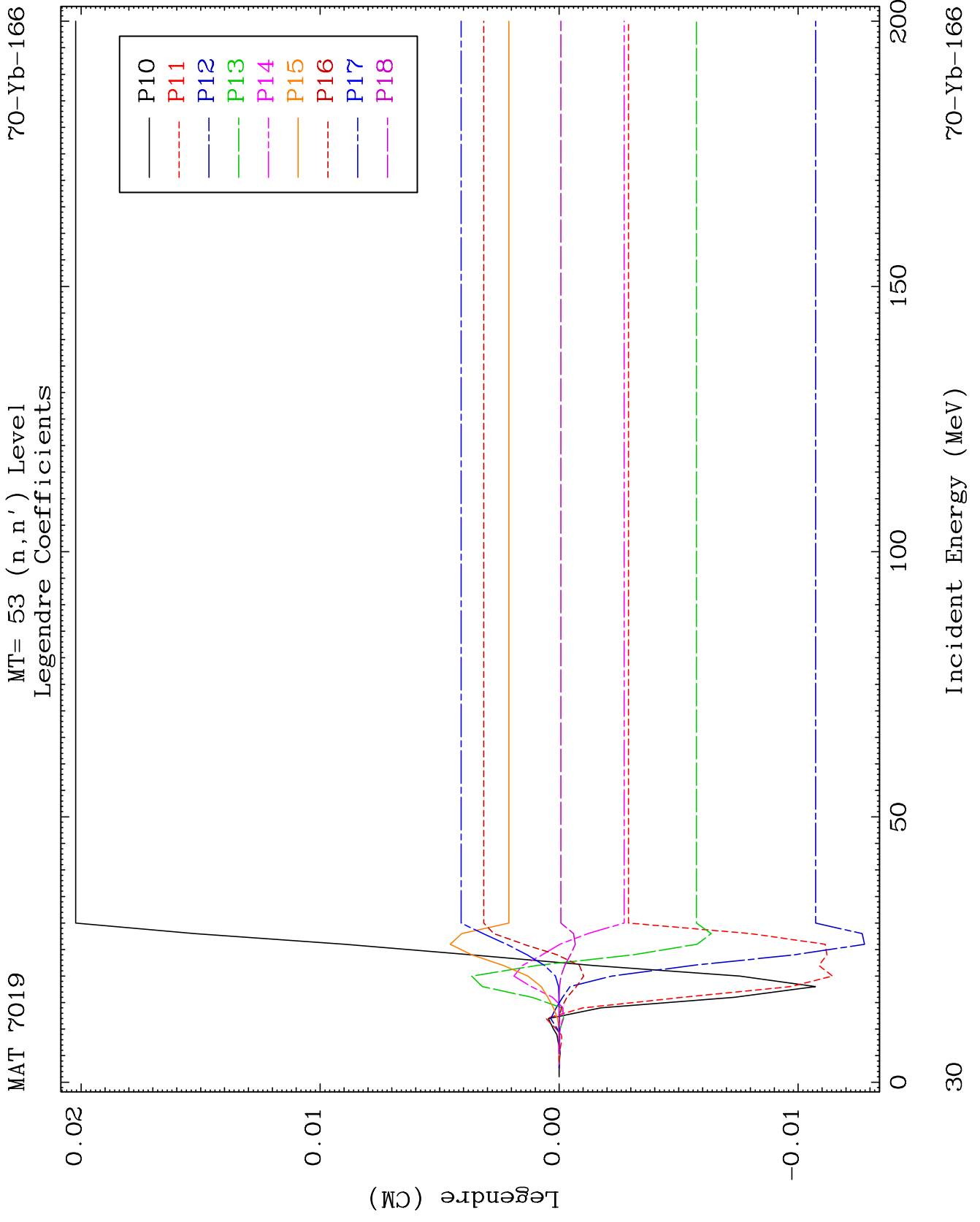
70-Yb-166



70-Yb-166

Incident Energy (MeV)

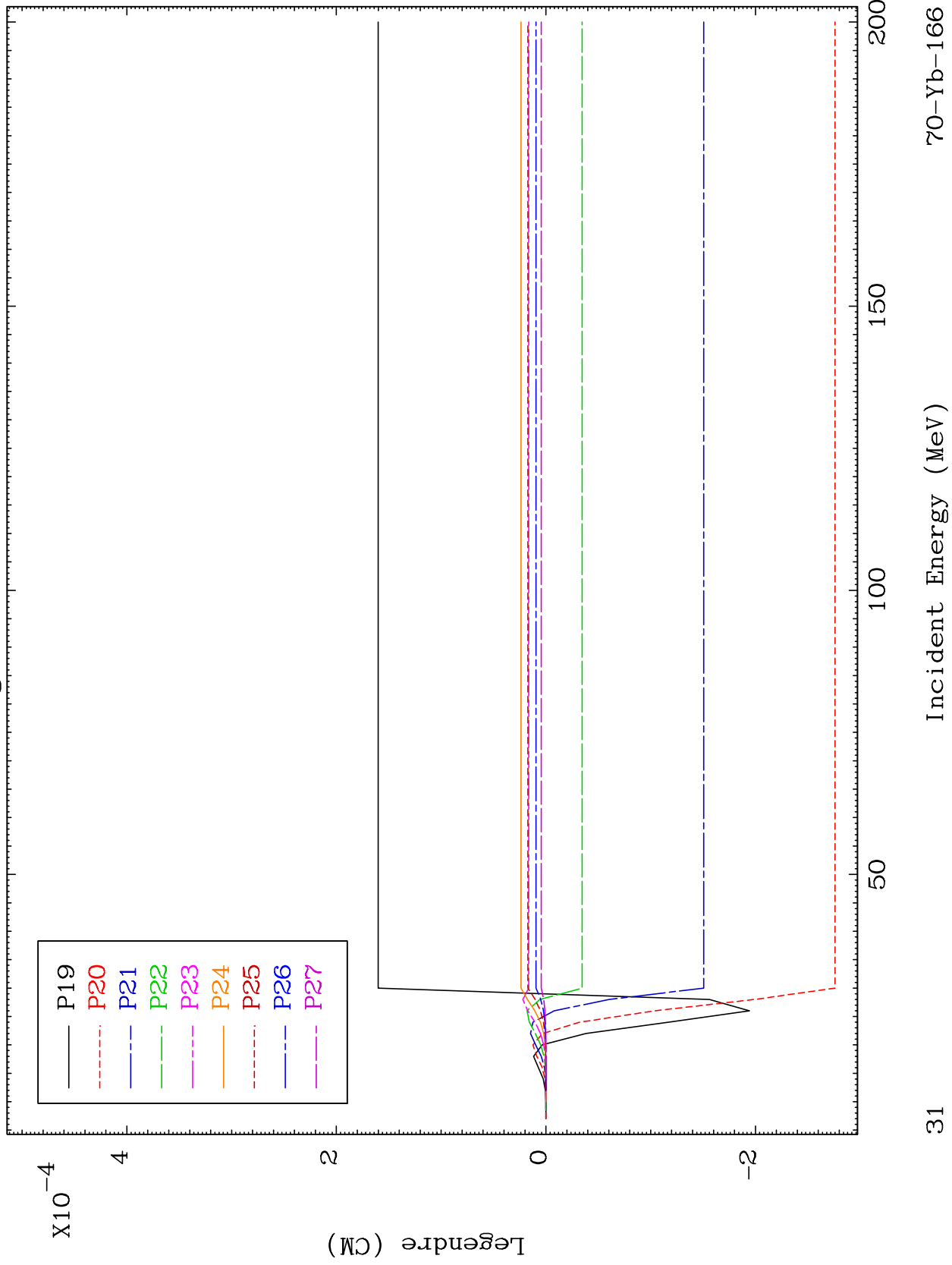
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MAT 7019

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

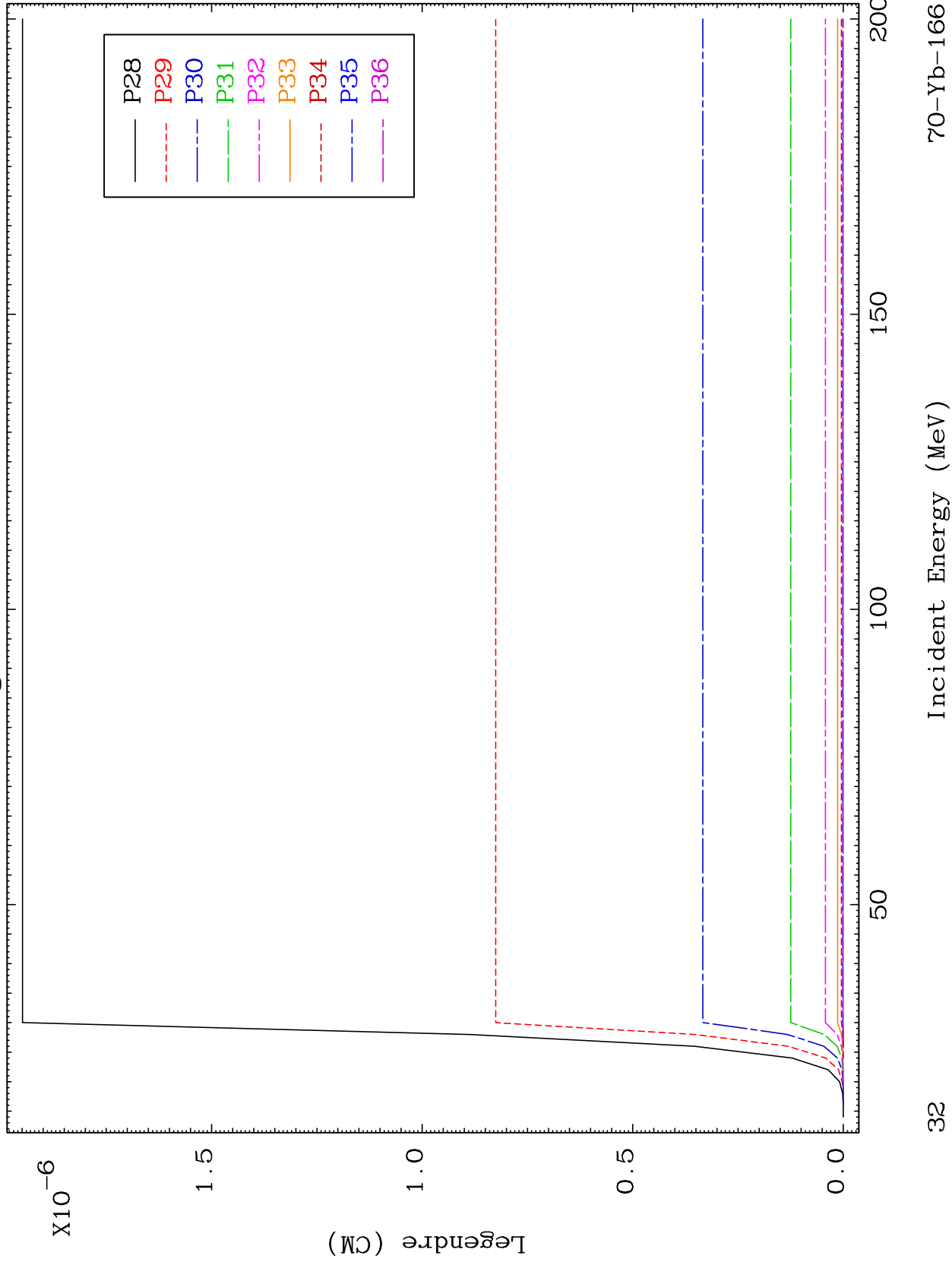
70-Yb-166



MAT 7019

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

70-Yb-166



32

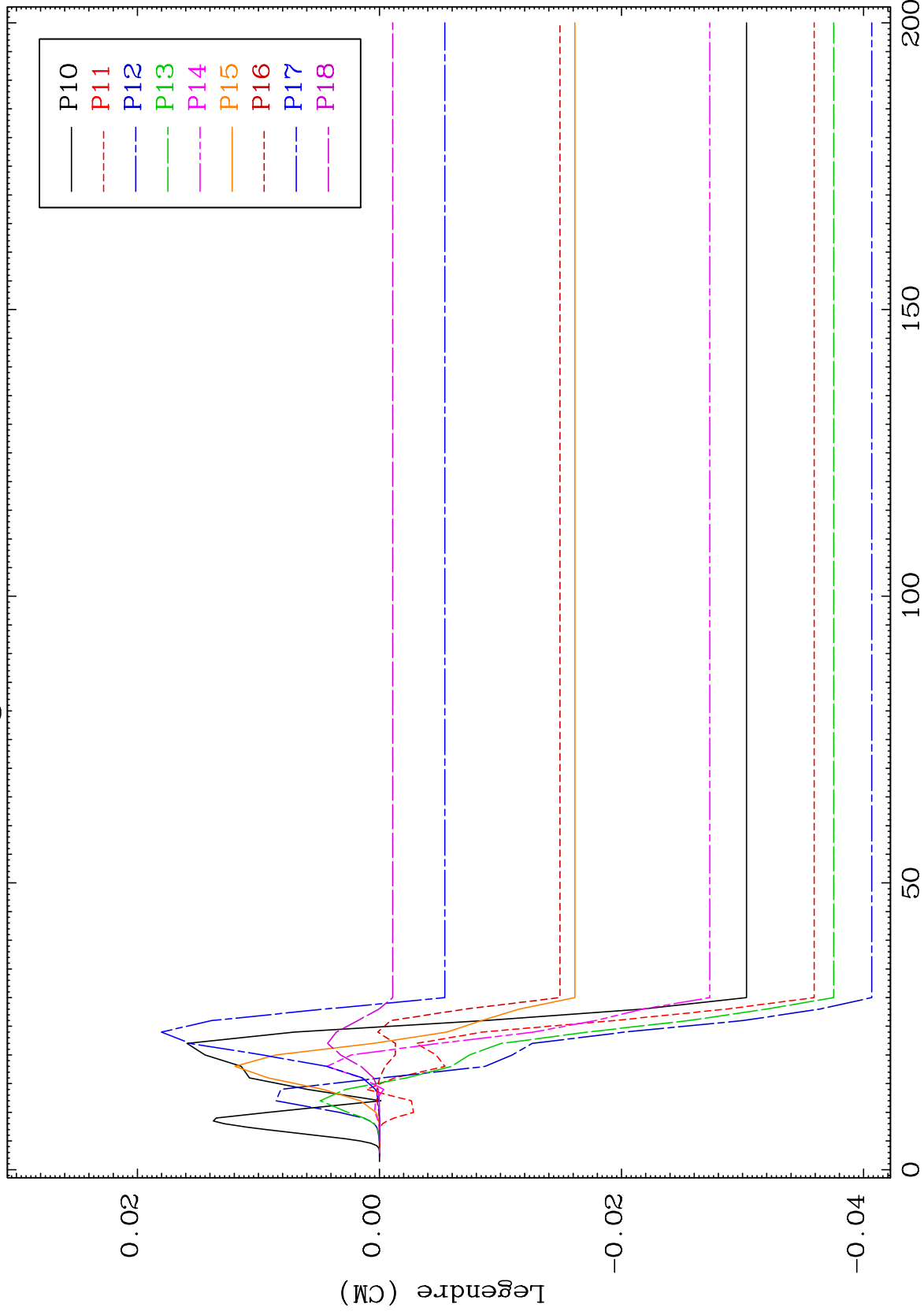
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



34

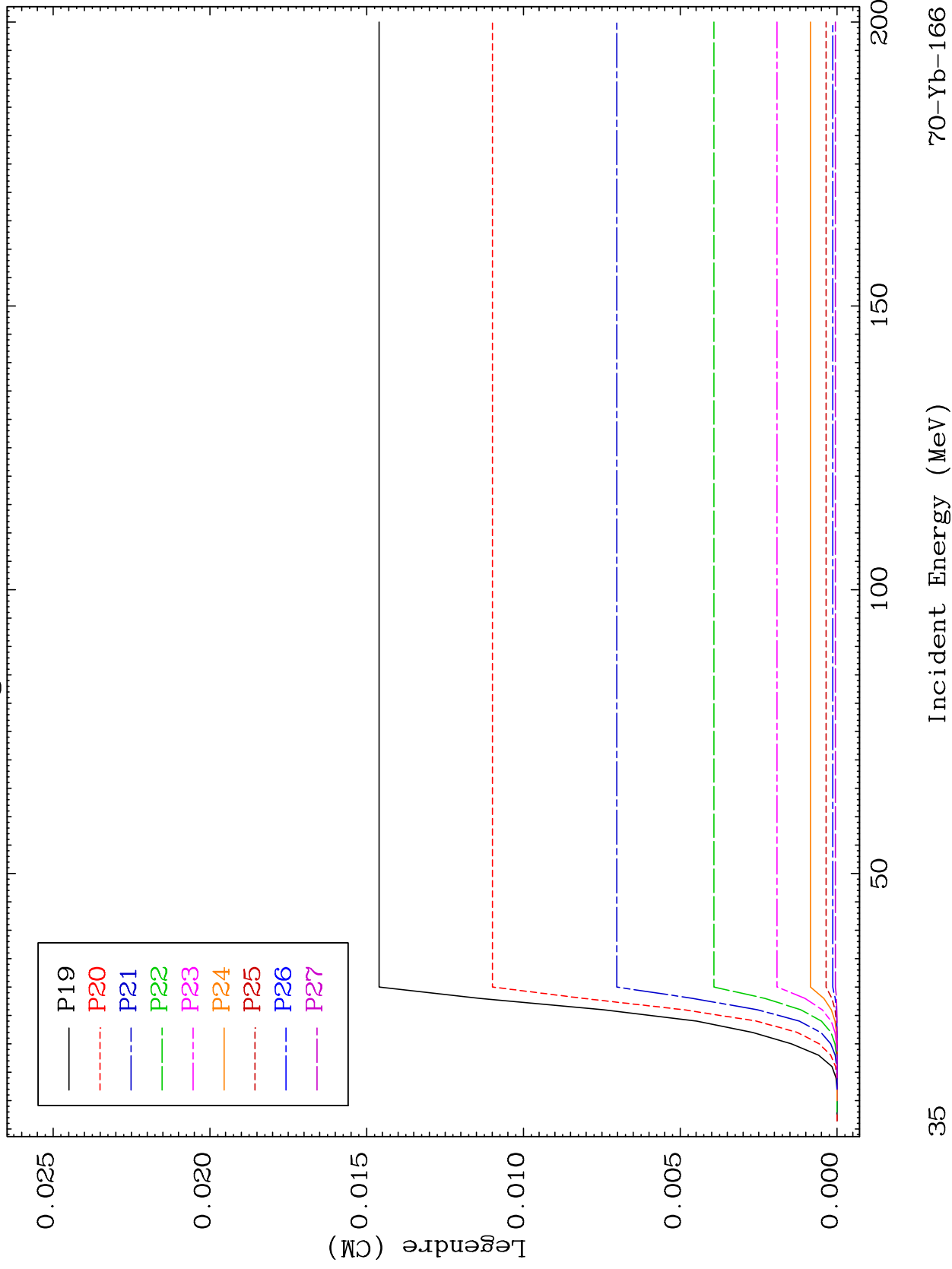
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



35

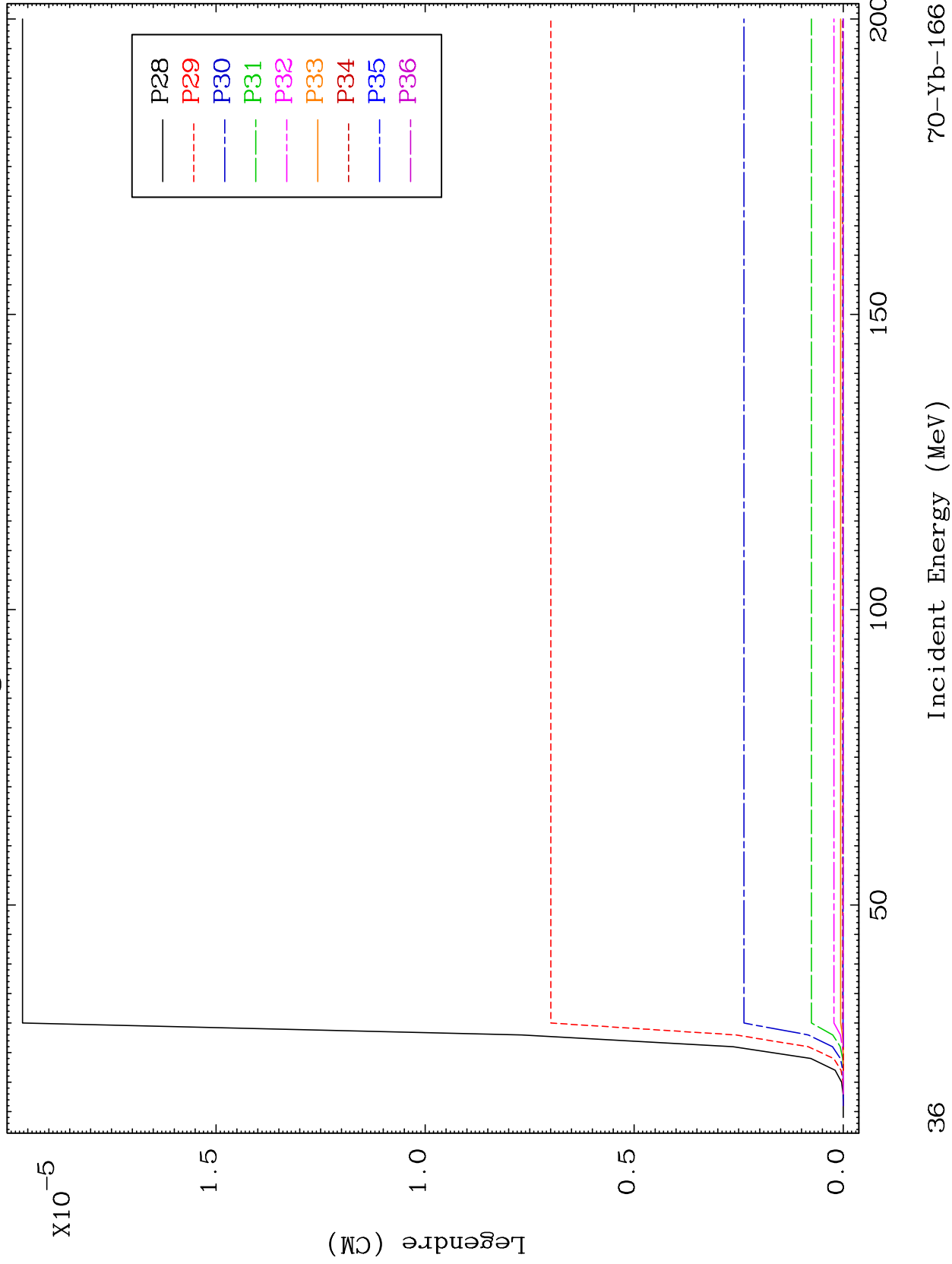
Incident Energy (MeV)

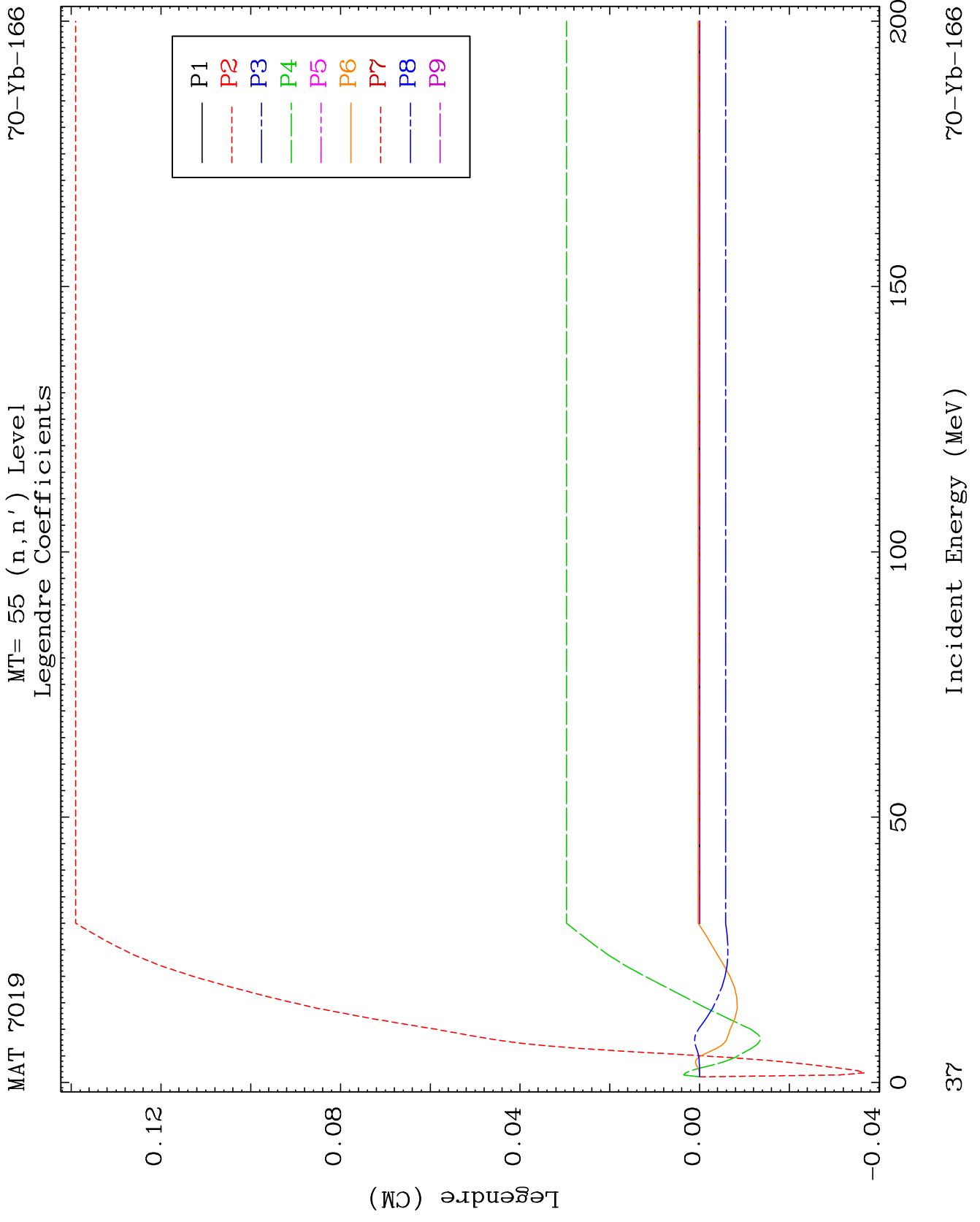
70-Yb-166

MAT 7019

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

70-Yb-166

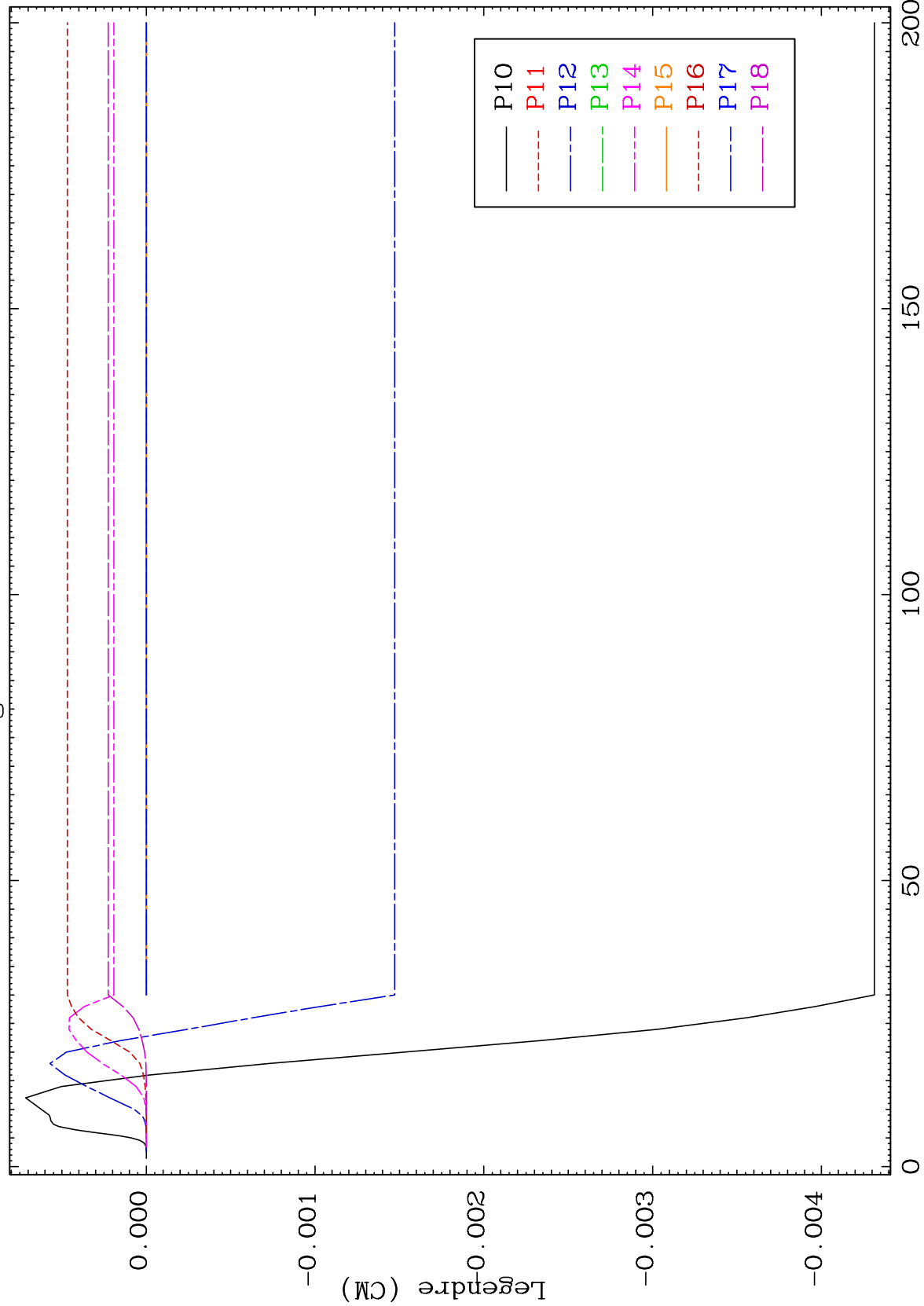




MAT 7019

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

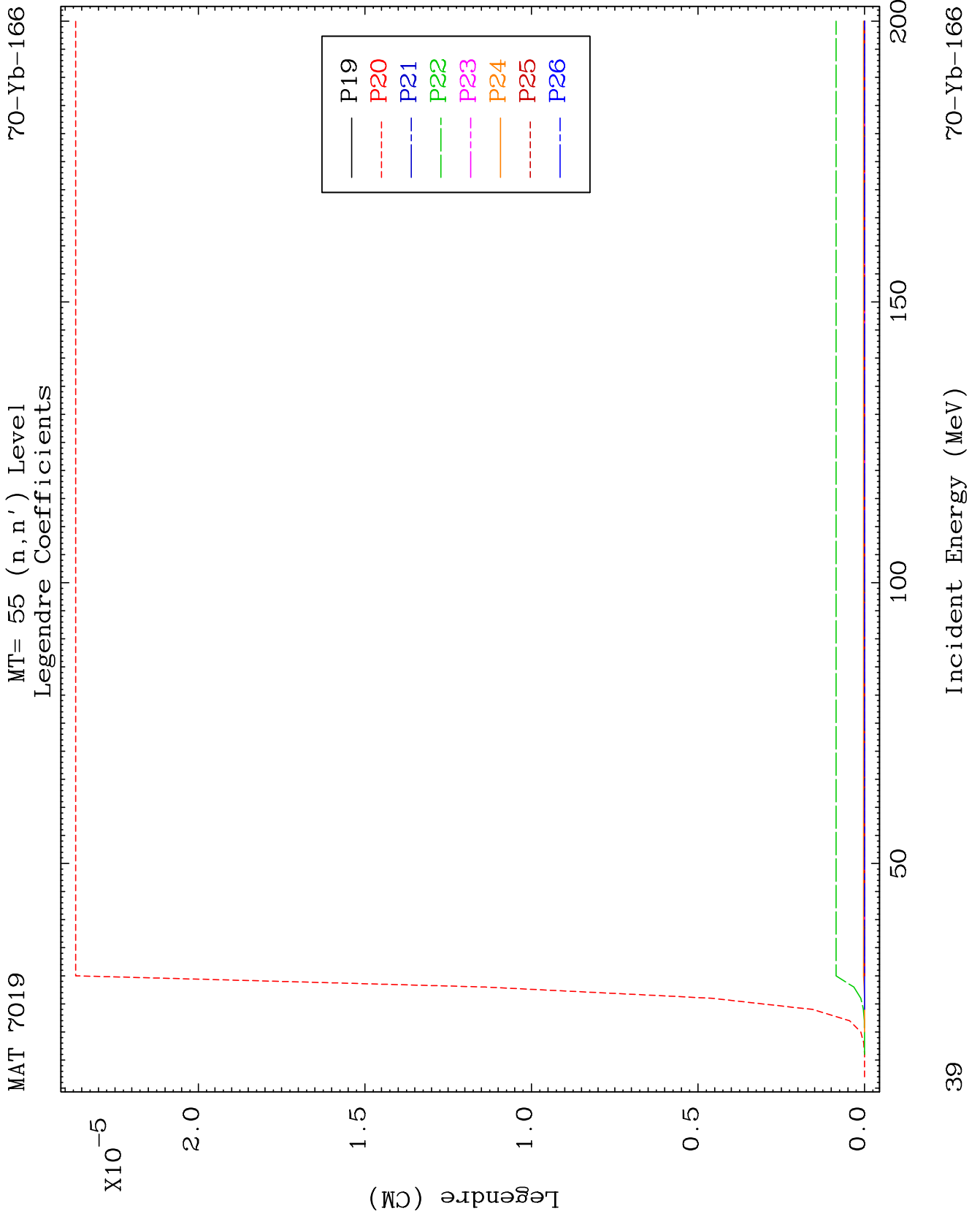
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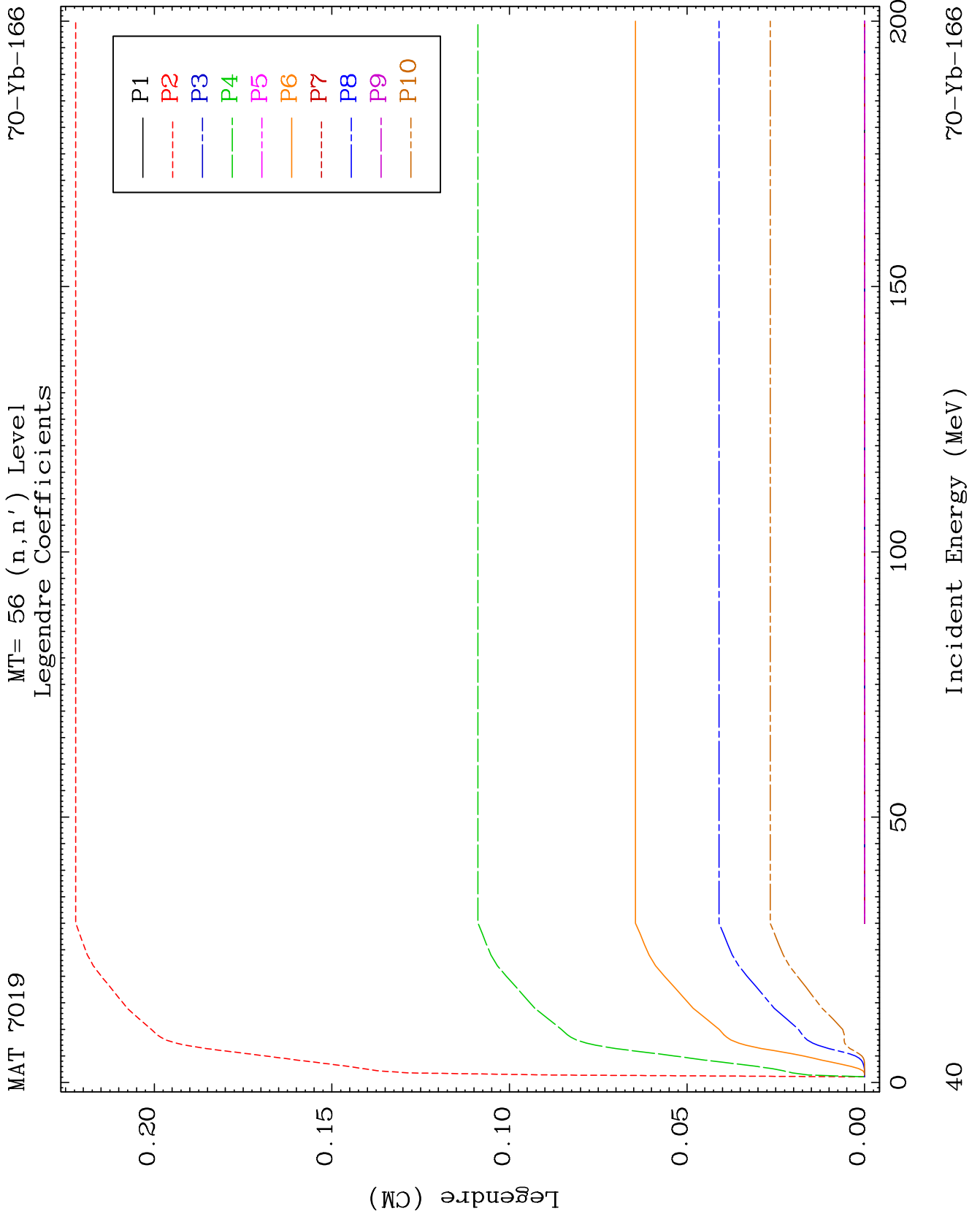


38

Incident Energy (MeV)

70-Yb-166

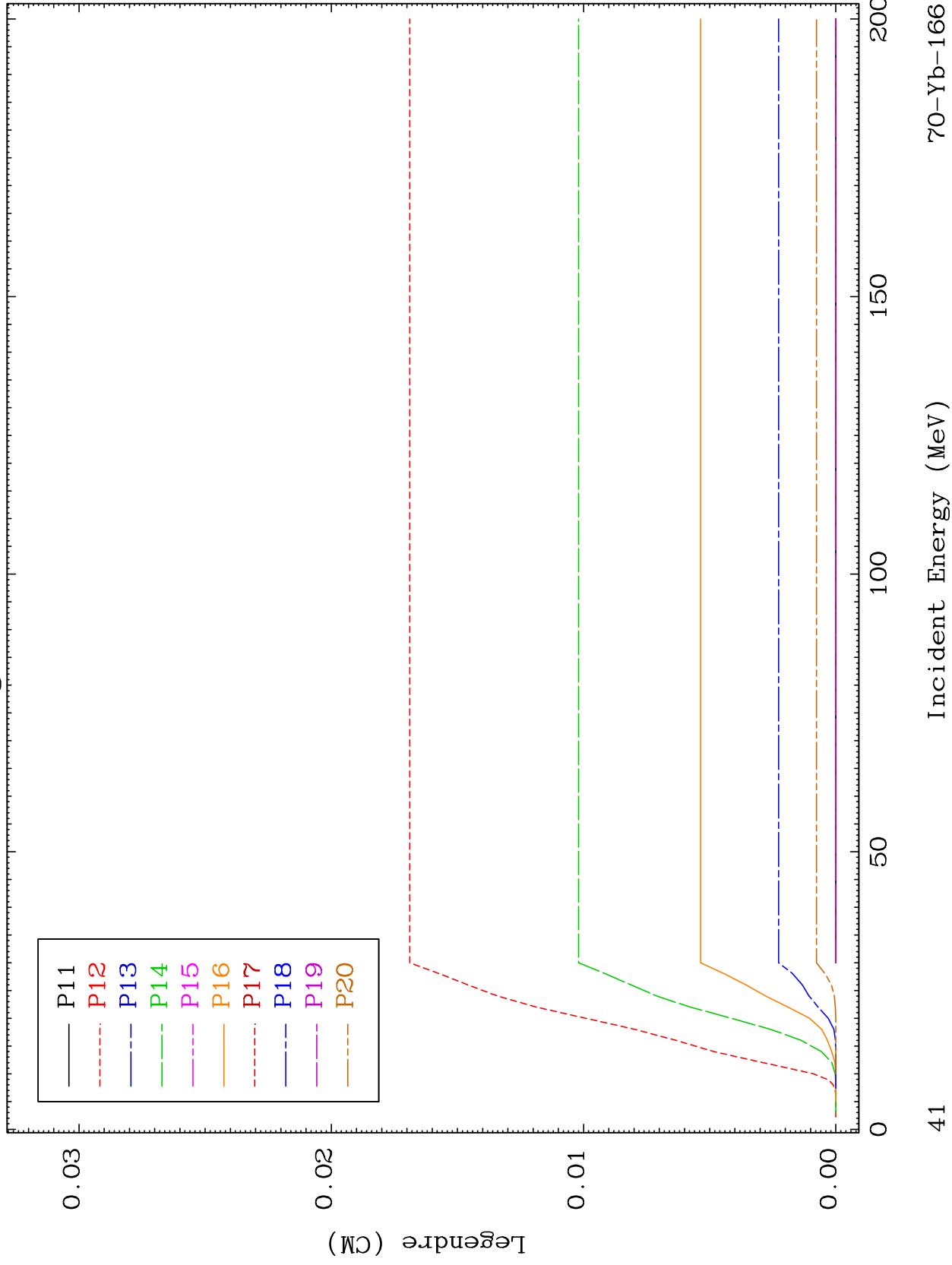




MAT 7019

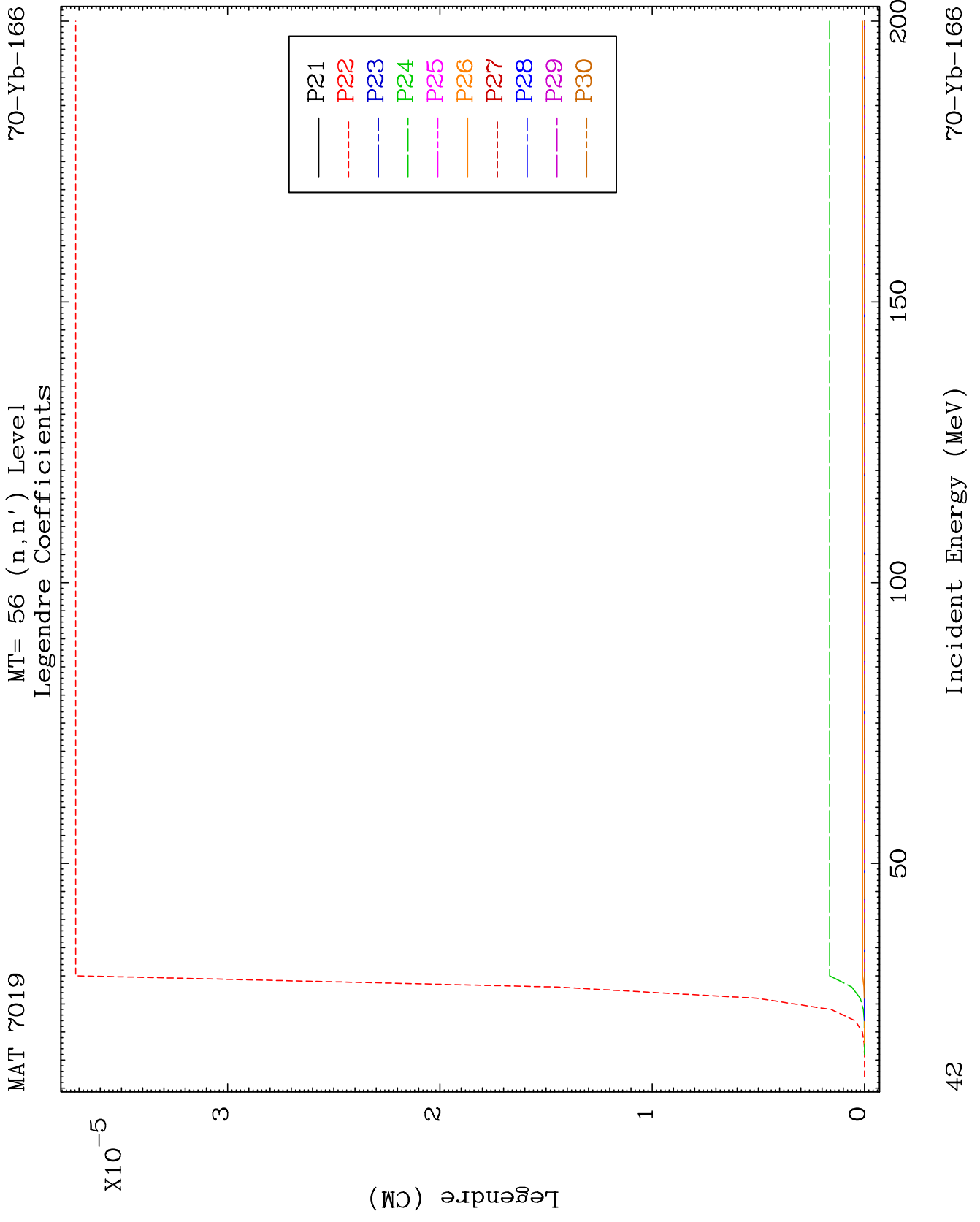
MT= 56 (n,n') Level
Legendre Coefficients

70-Yb-166



41

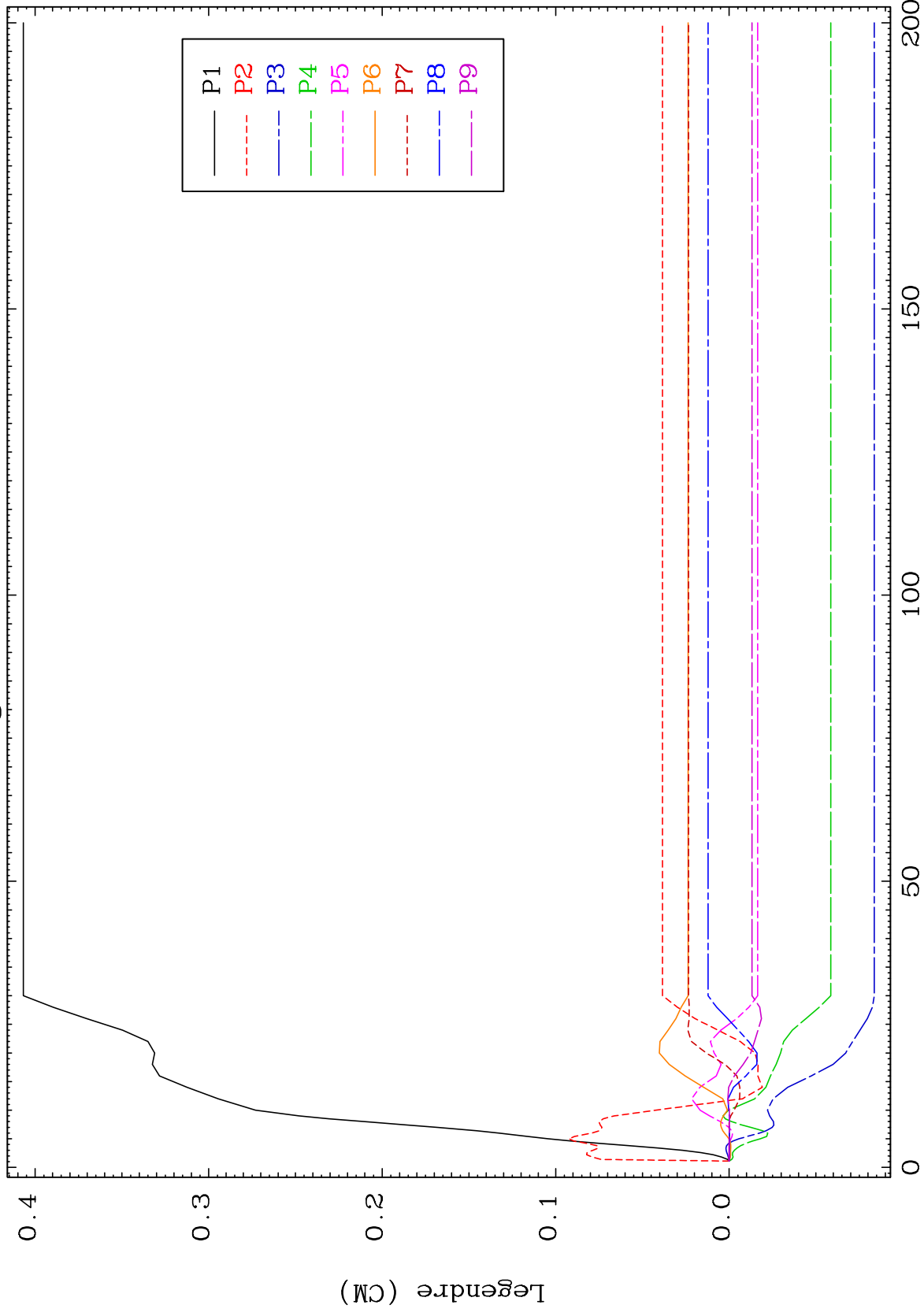
70-Yb-166



MAT 7019

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

70-Yb-166



43

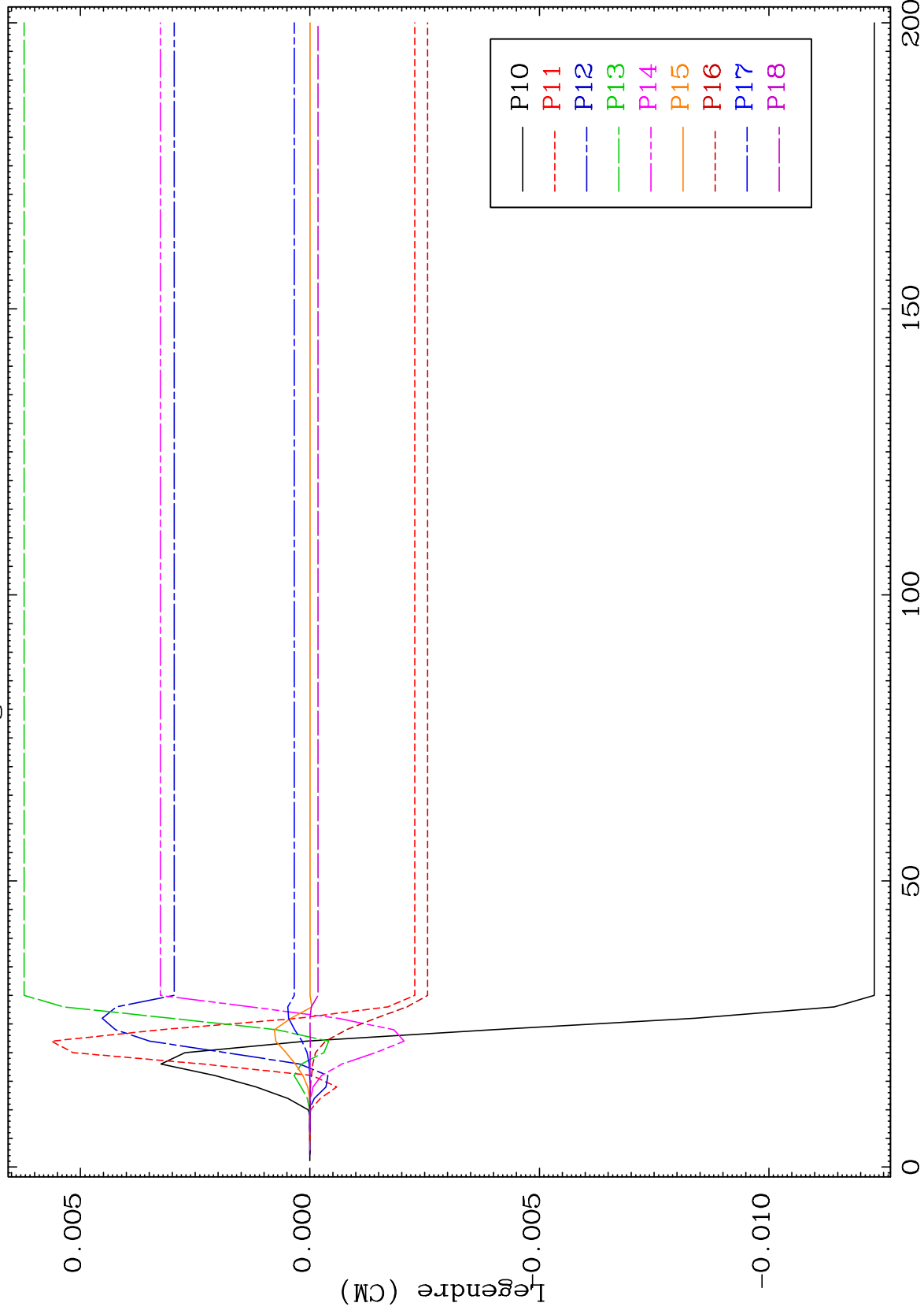
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



44

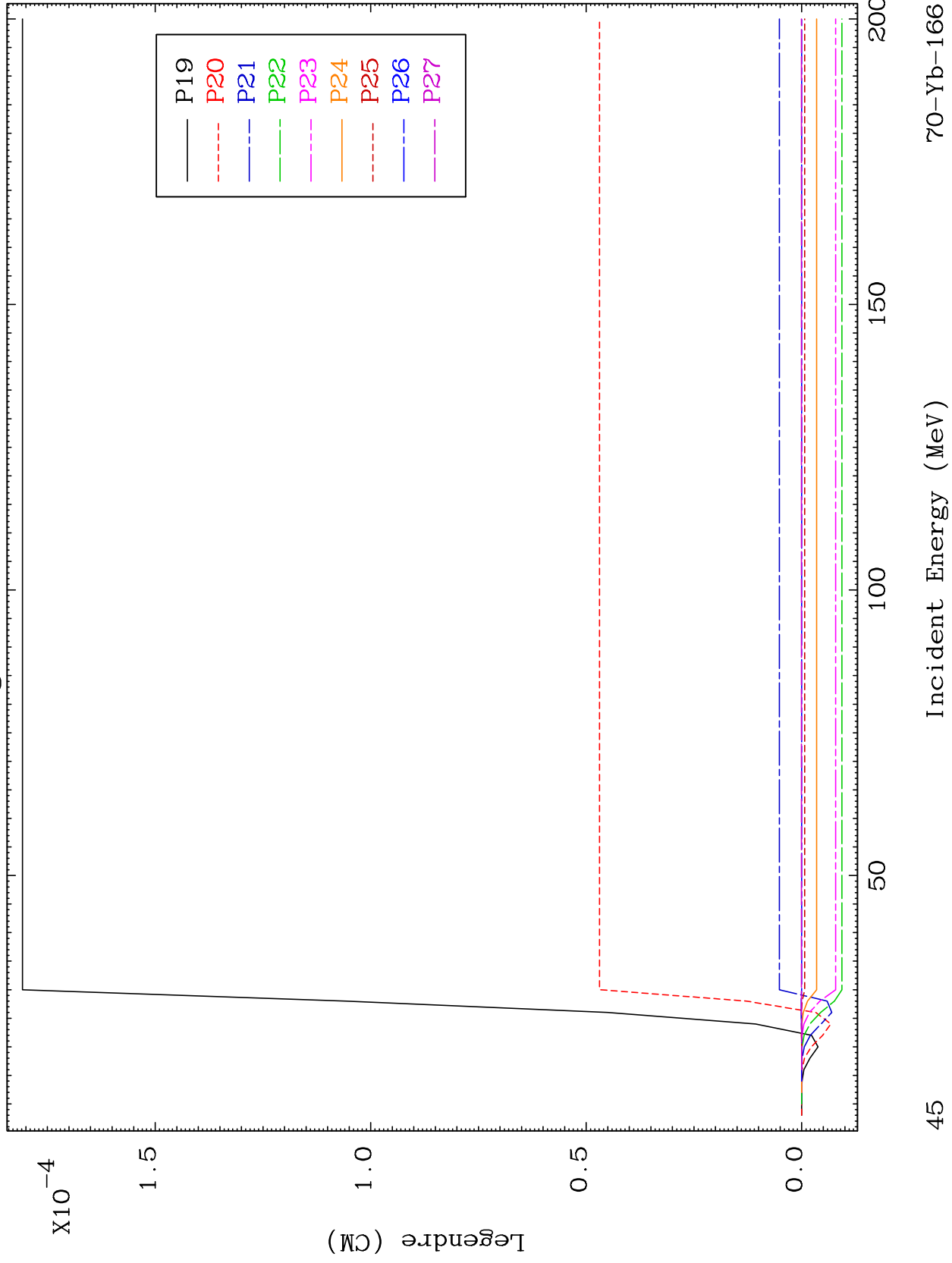
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



45

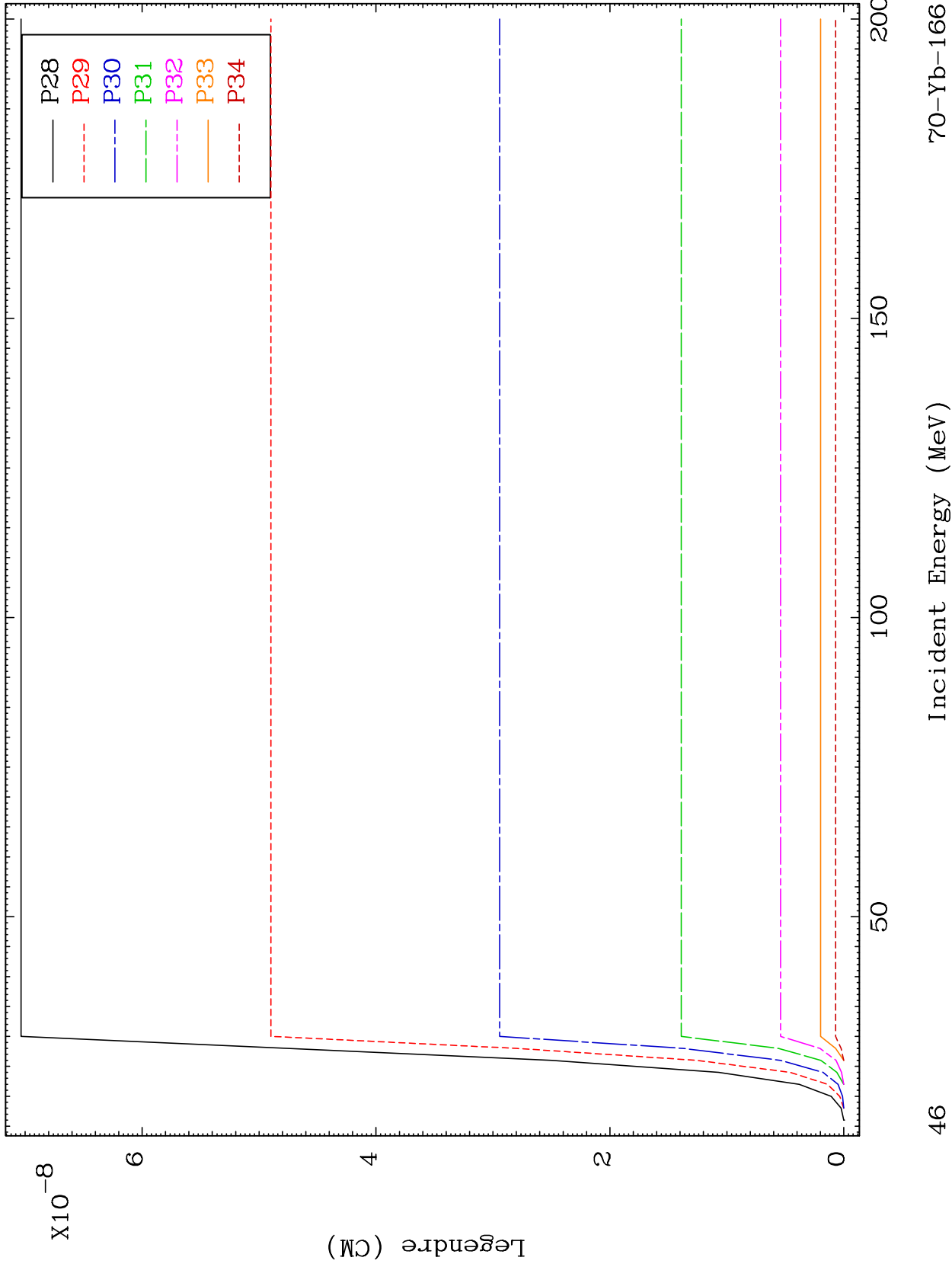
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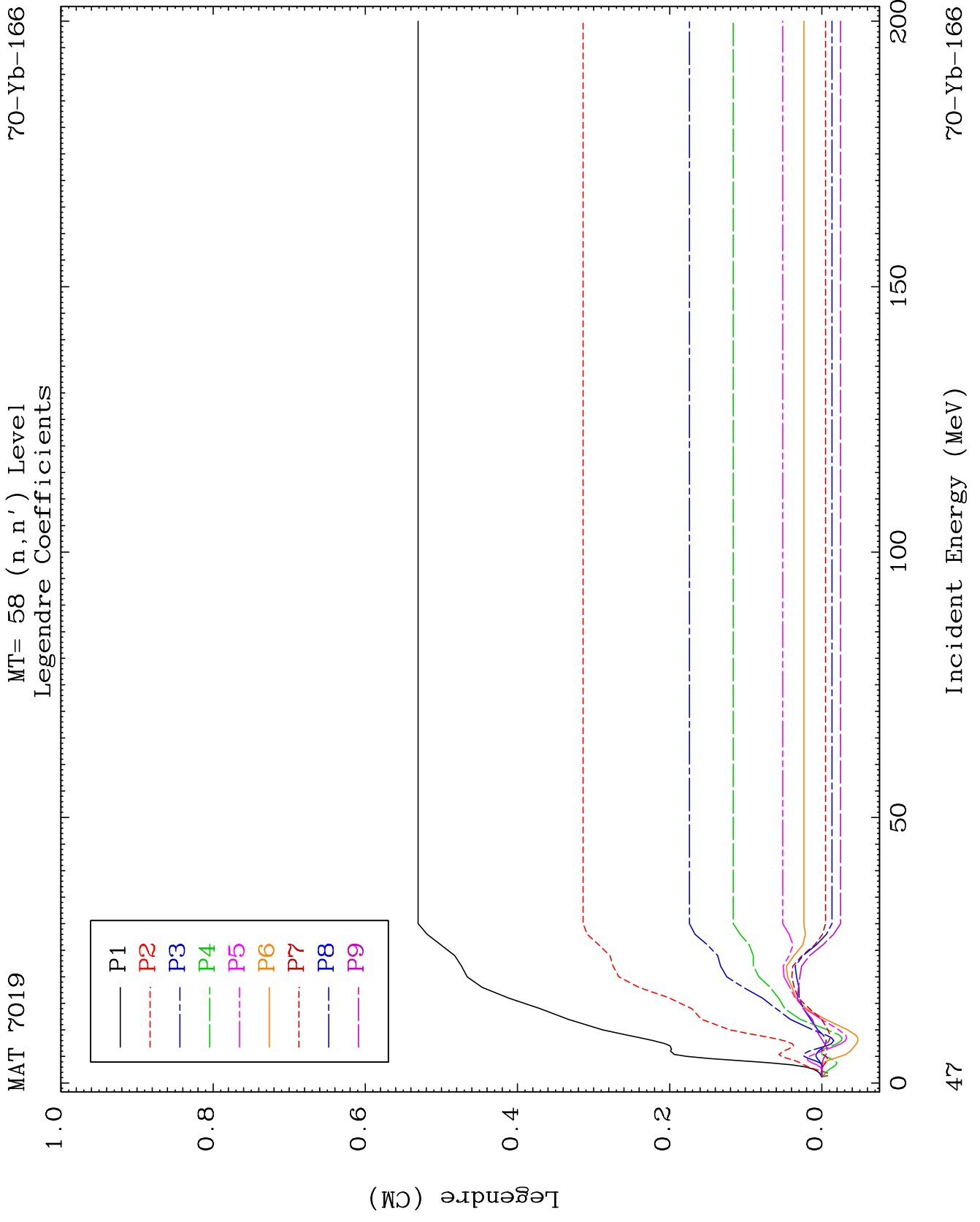
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MAT 7019

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

70-Yb-166

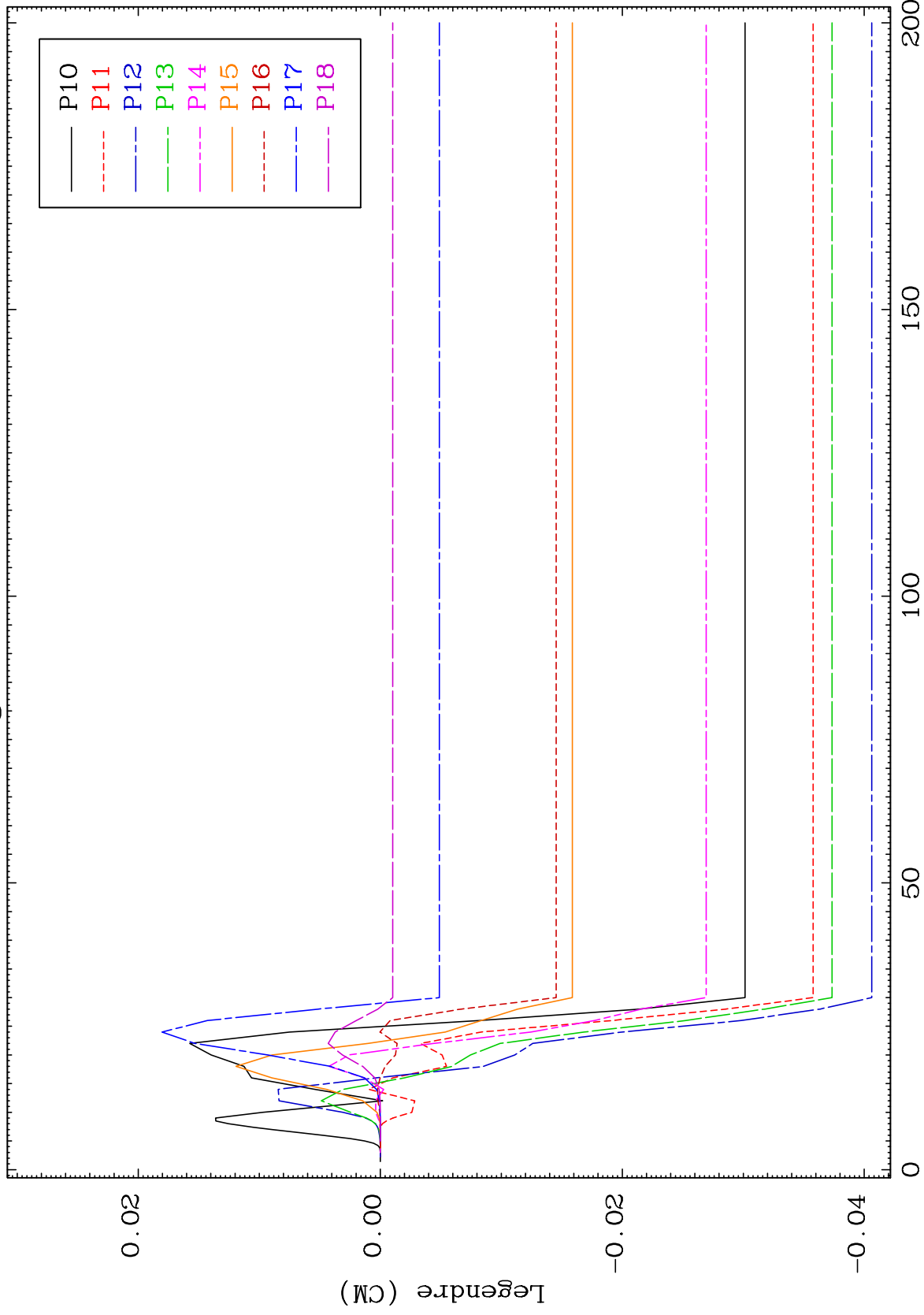




MAT 7019

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

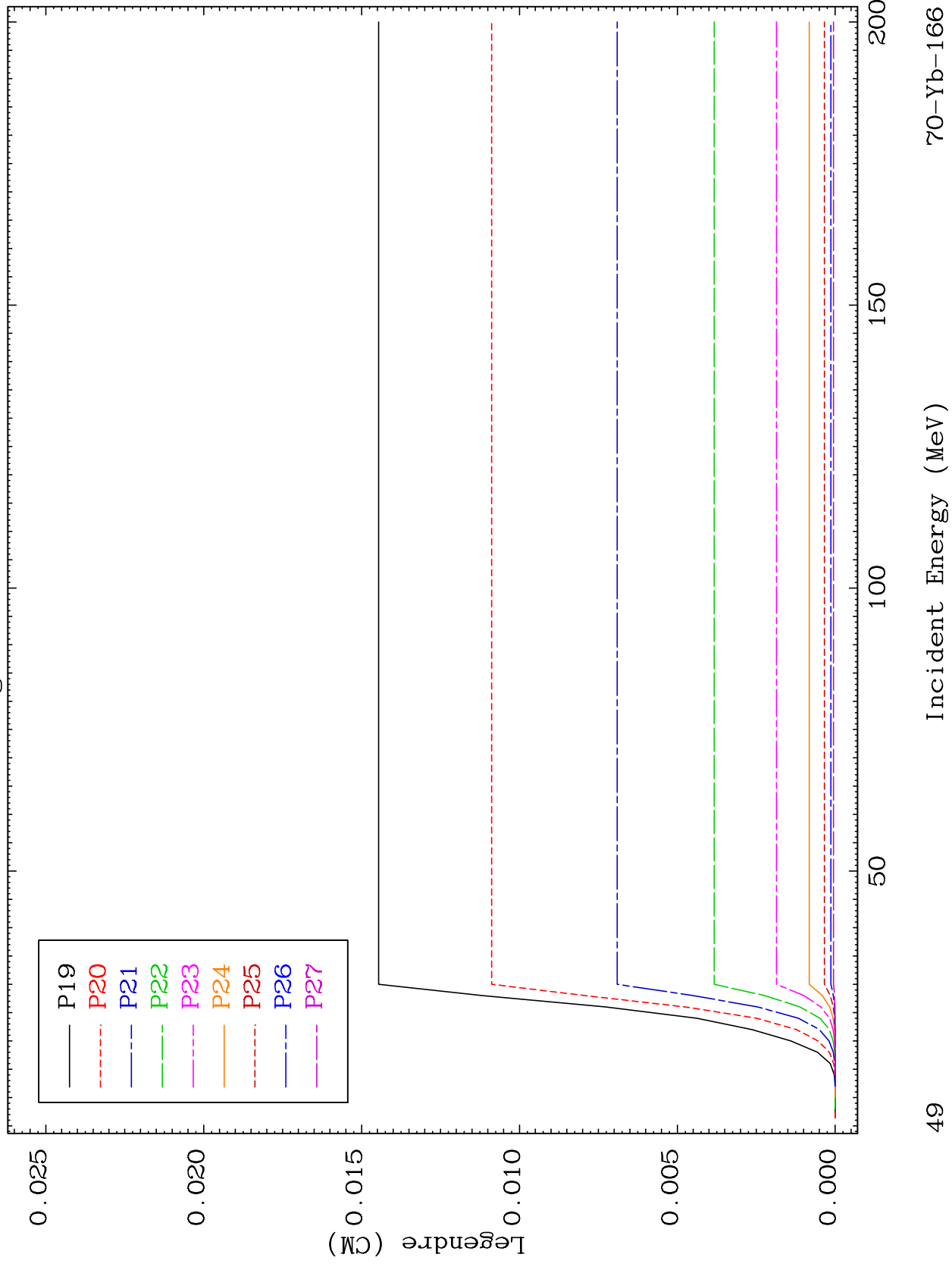
70-Yb-166



48

Incident Energy (MeV)

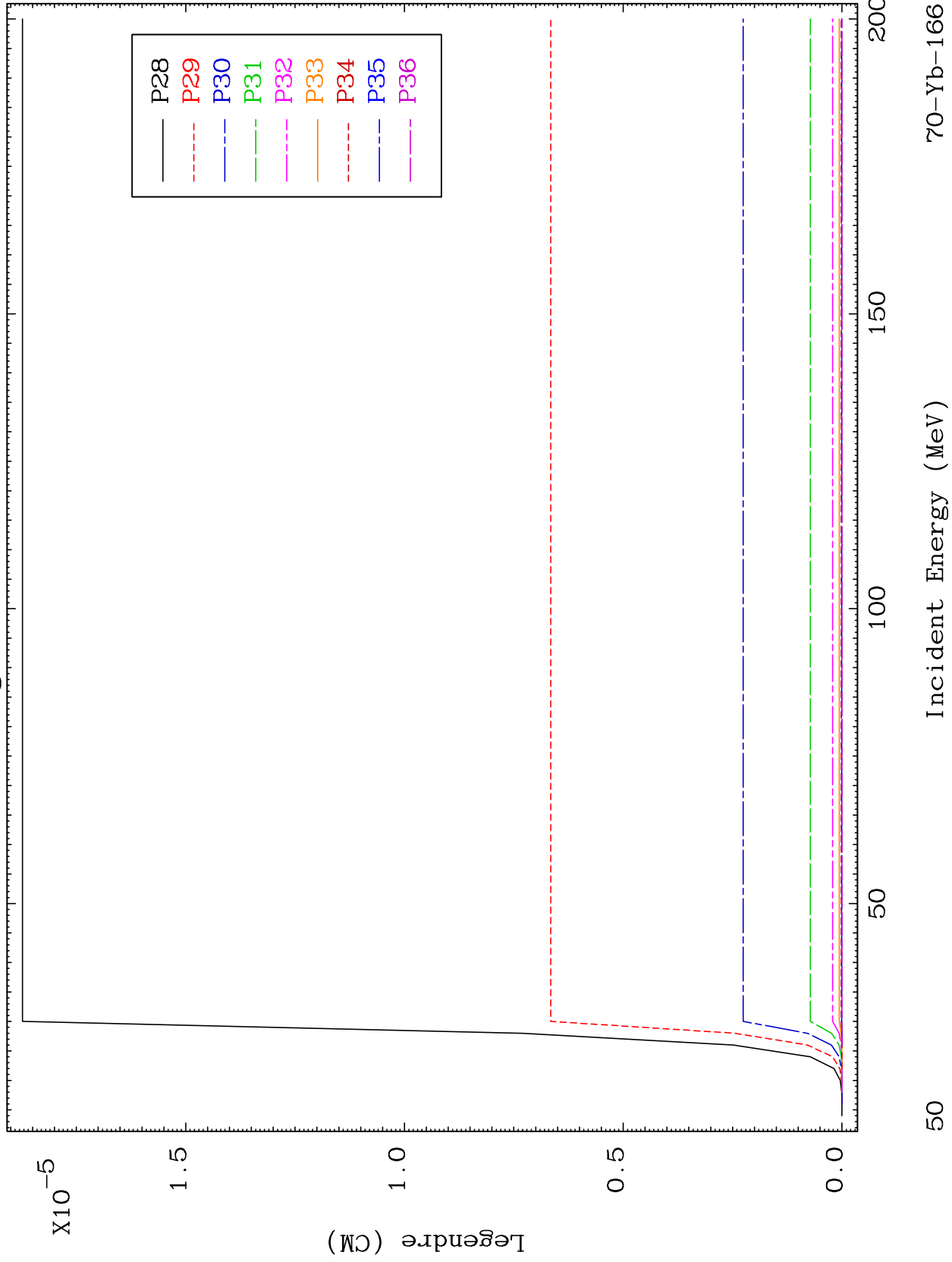
70-Yb-166



MAT 7019

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

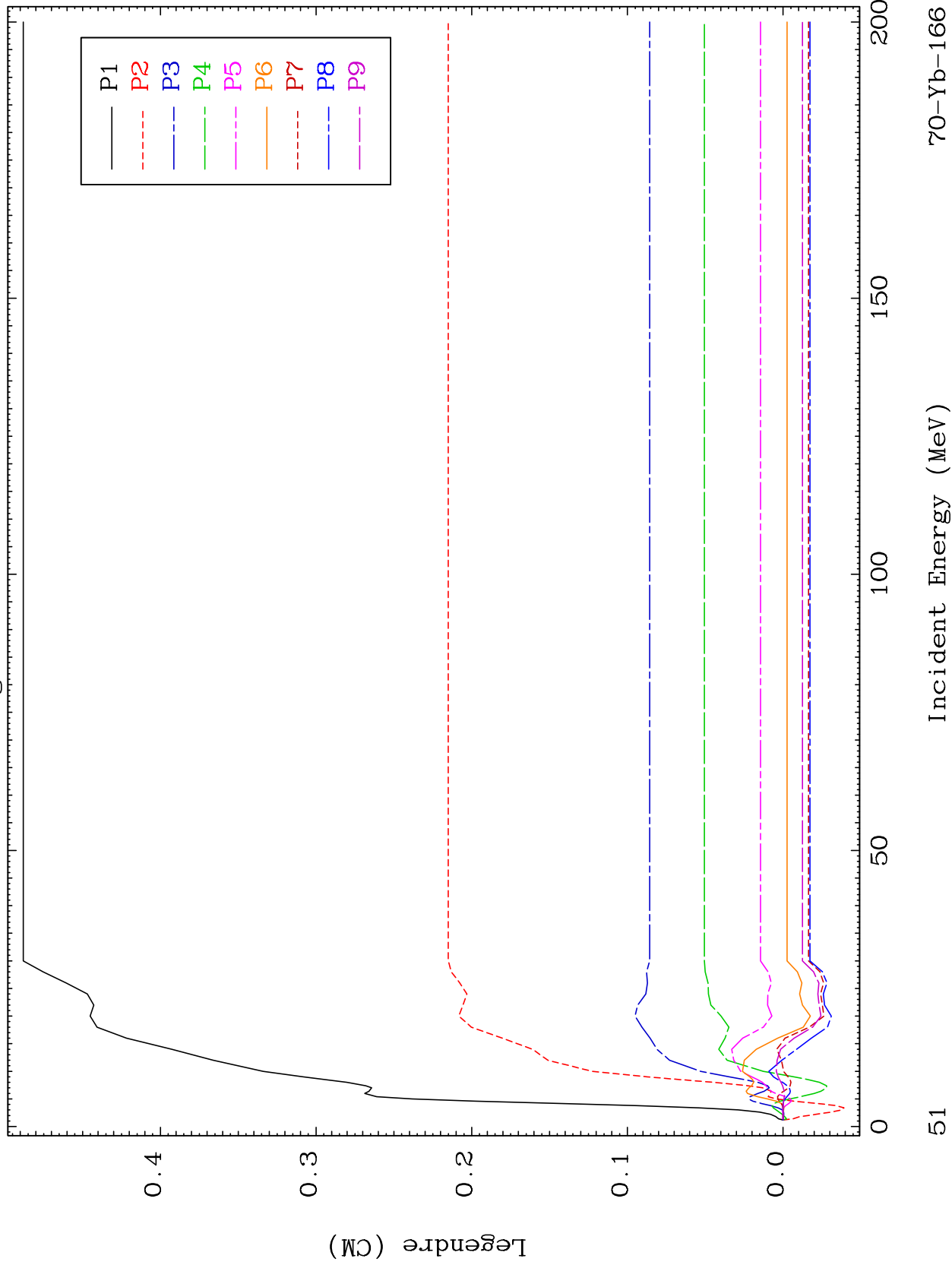
70-Yb-166



MAT 7019

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

70-Yb-166



70-Yb-166

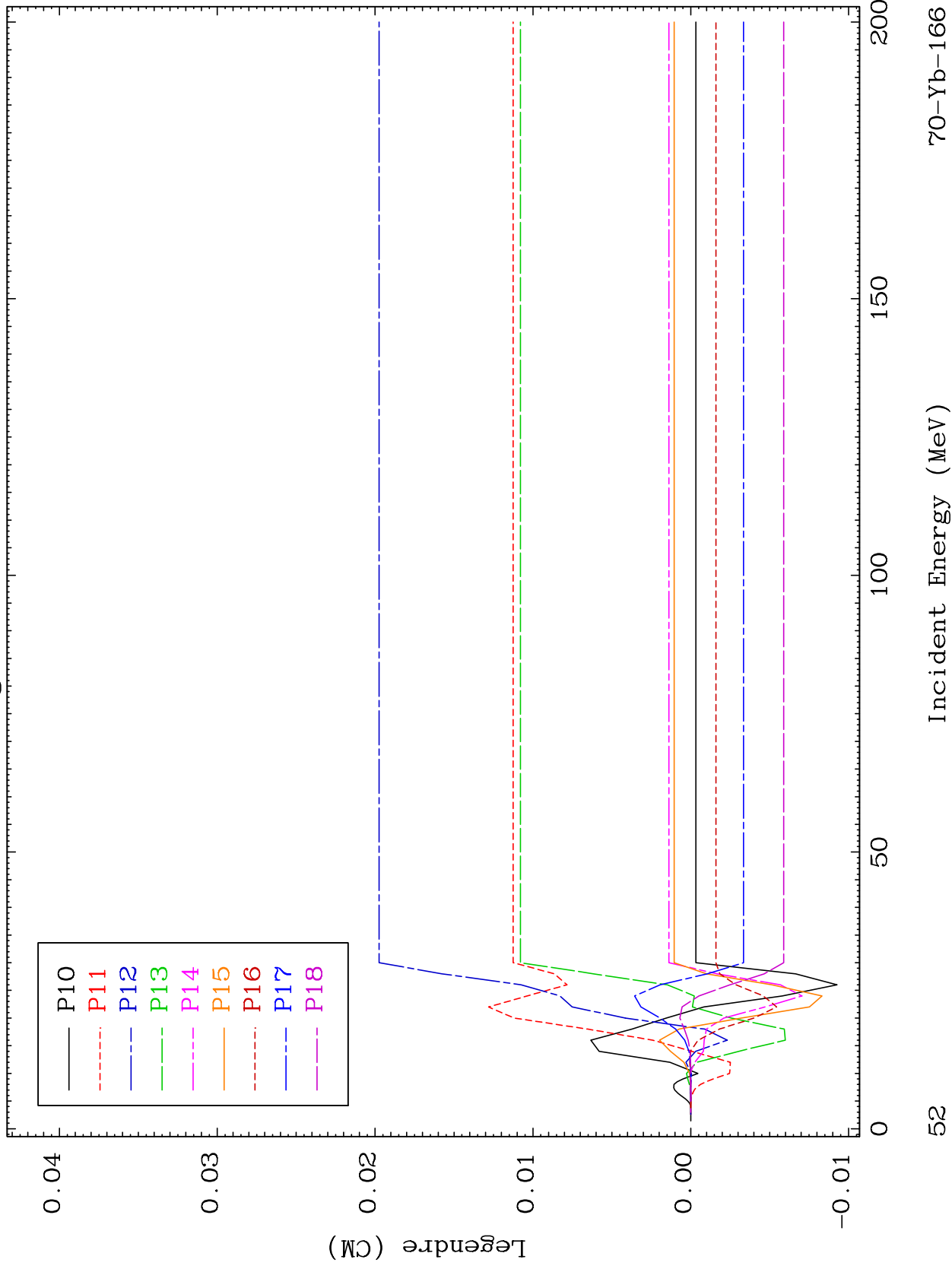
Incident Energy (MeV)

51

MAT 7019

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

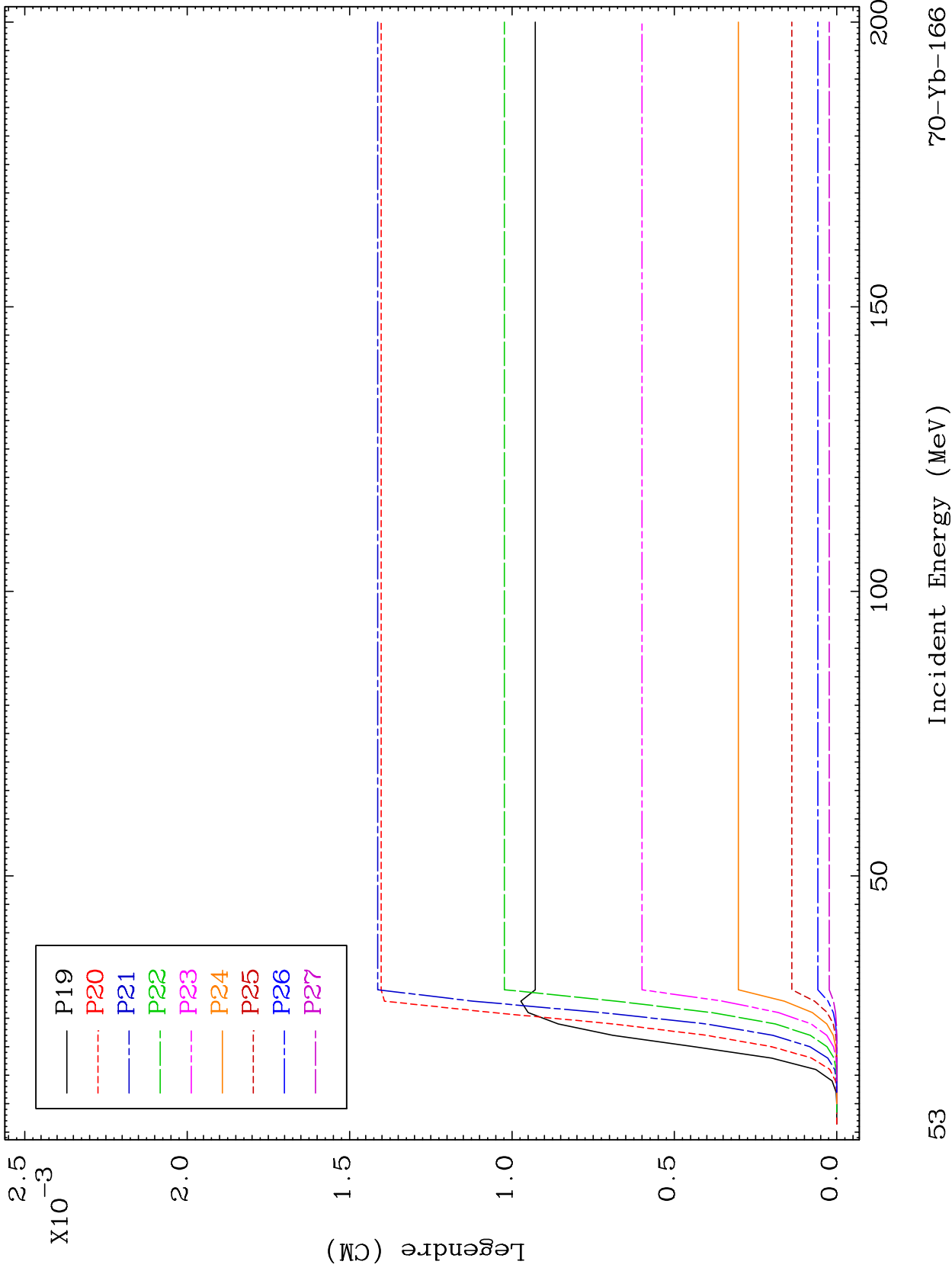
70-Yb-166



70-Yb-166

Incident Energy (MeV)

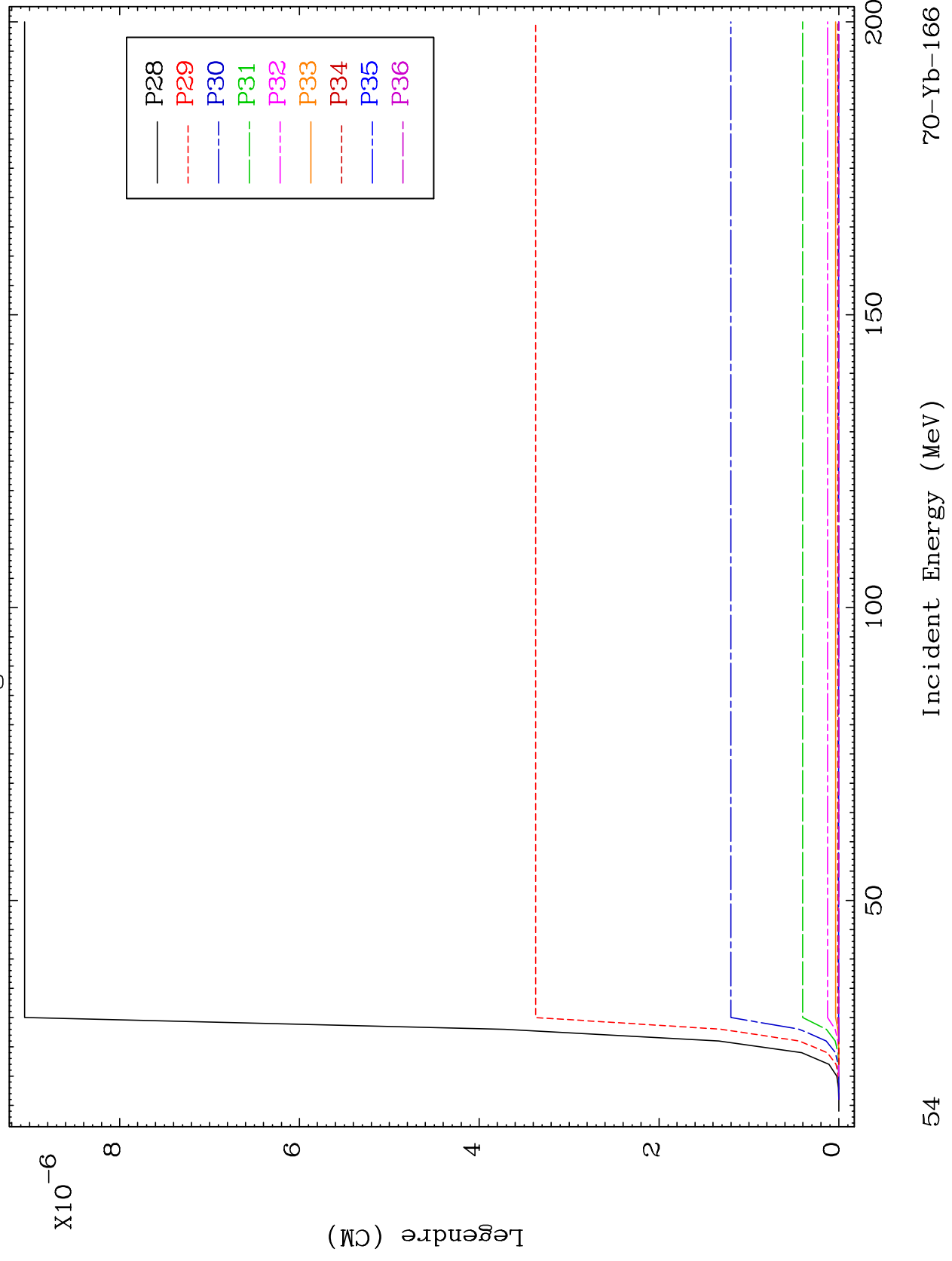
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MAT 7019

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

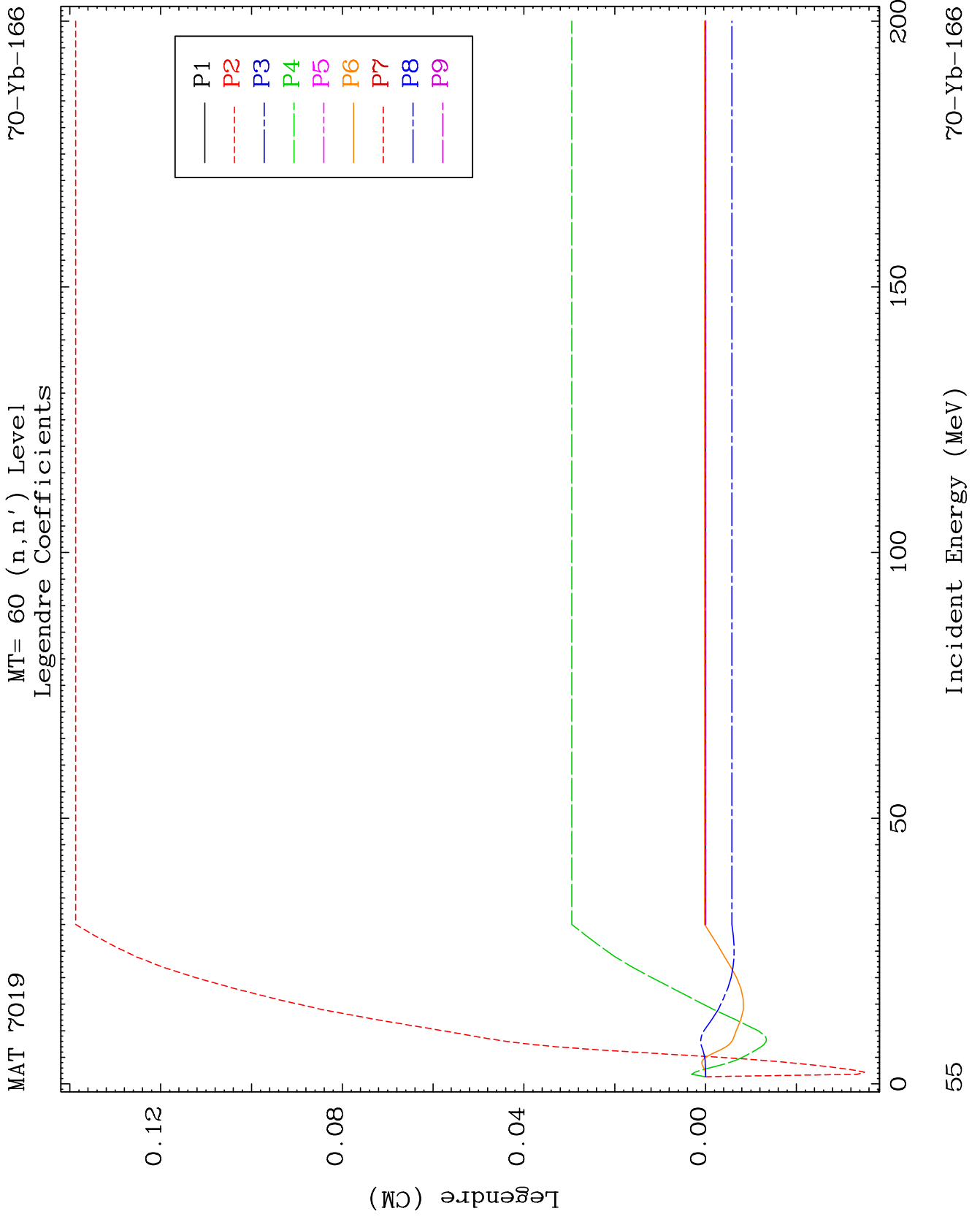
70-Yb-166



54

Incident Energy (MeV)

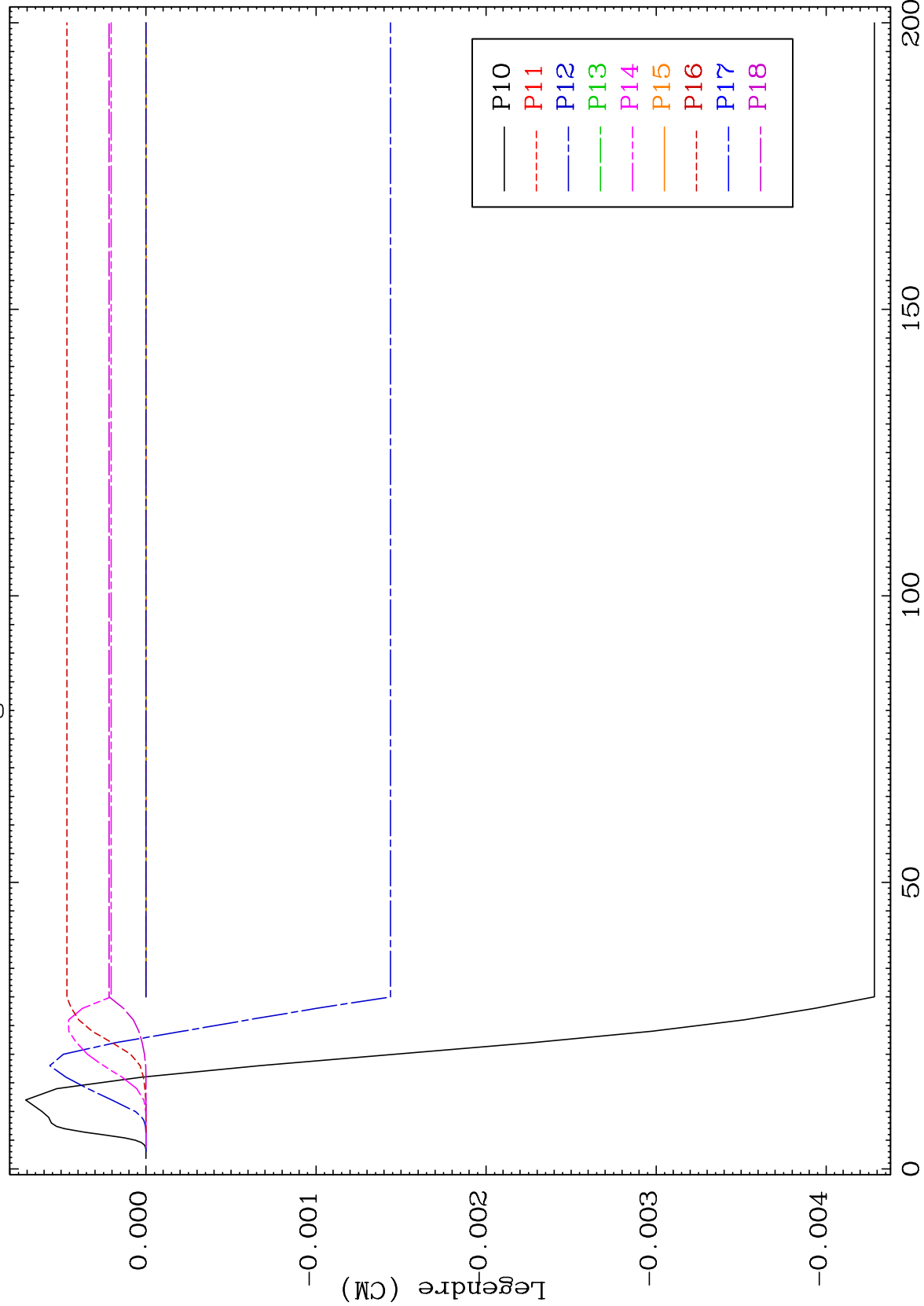
70-Yb-166



MAT 7019

MT= 60 (n,n') Level
Legendre Coefficients

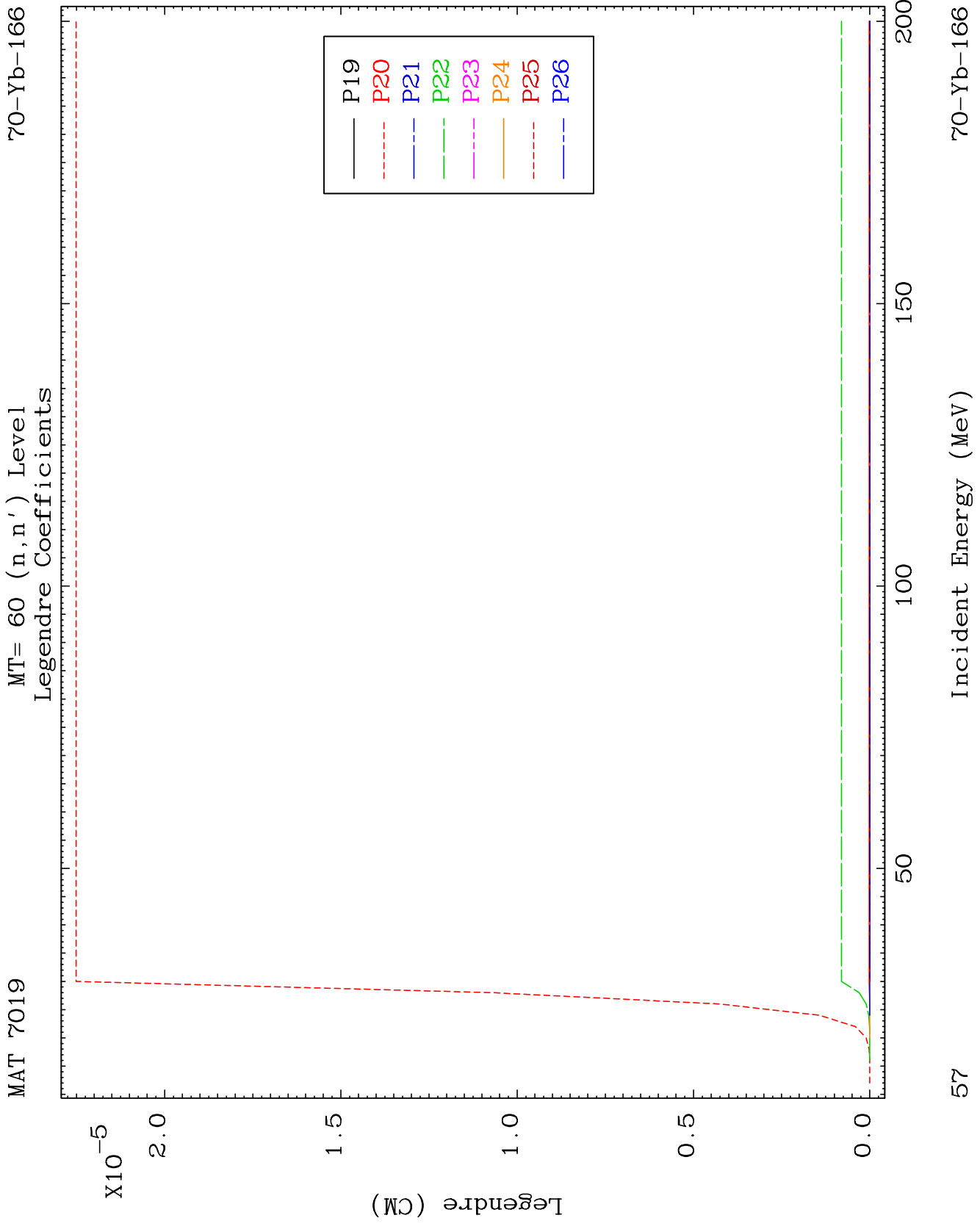
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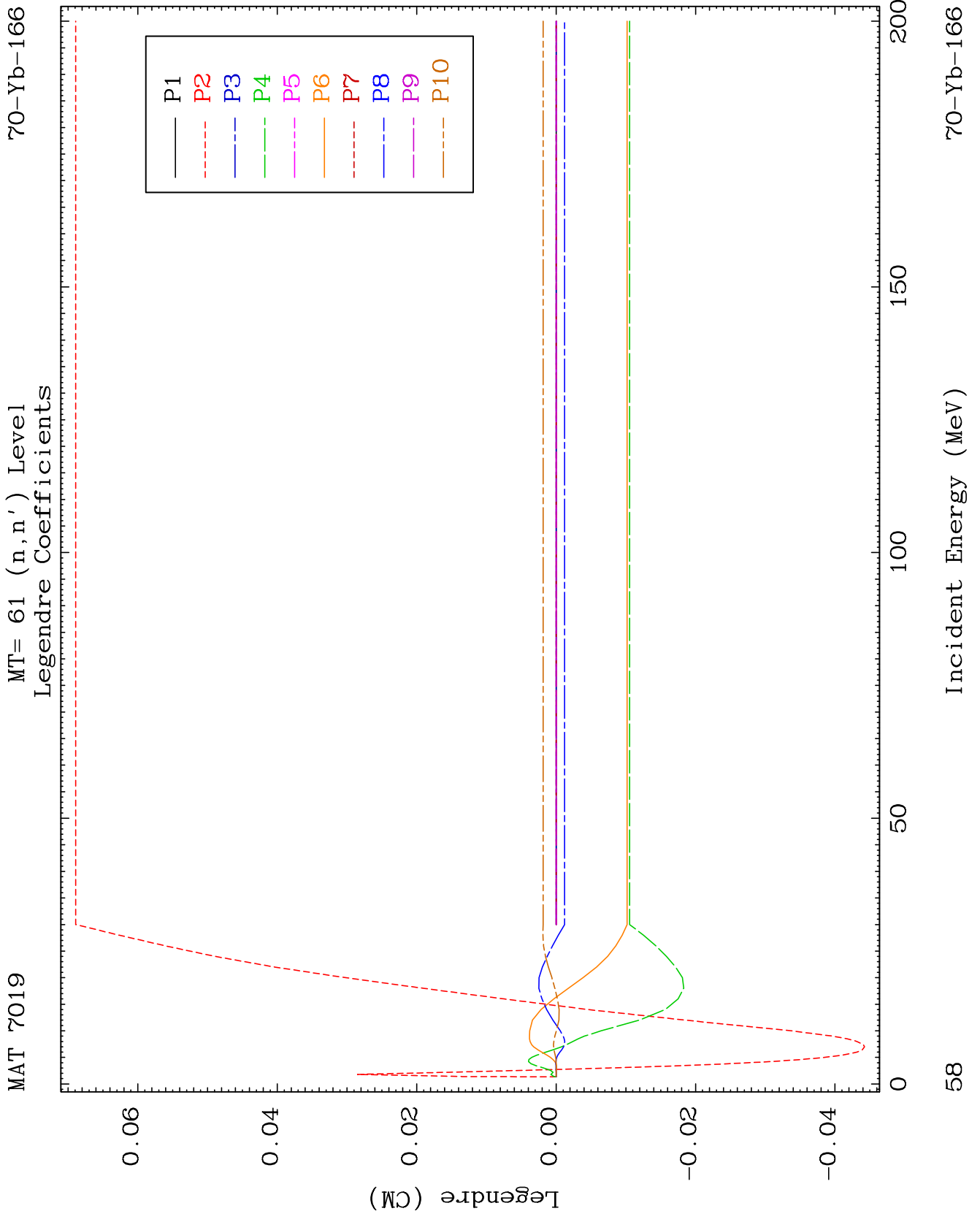


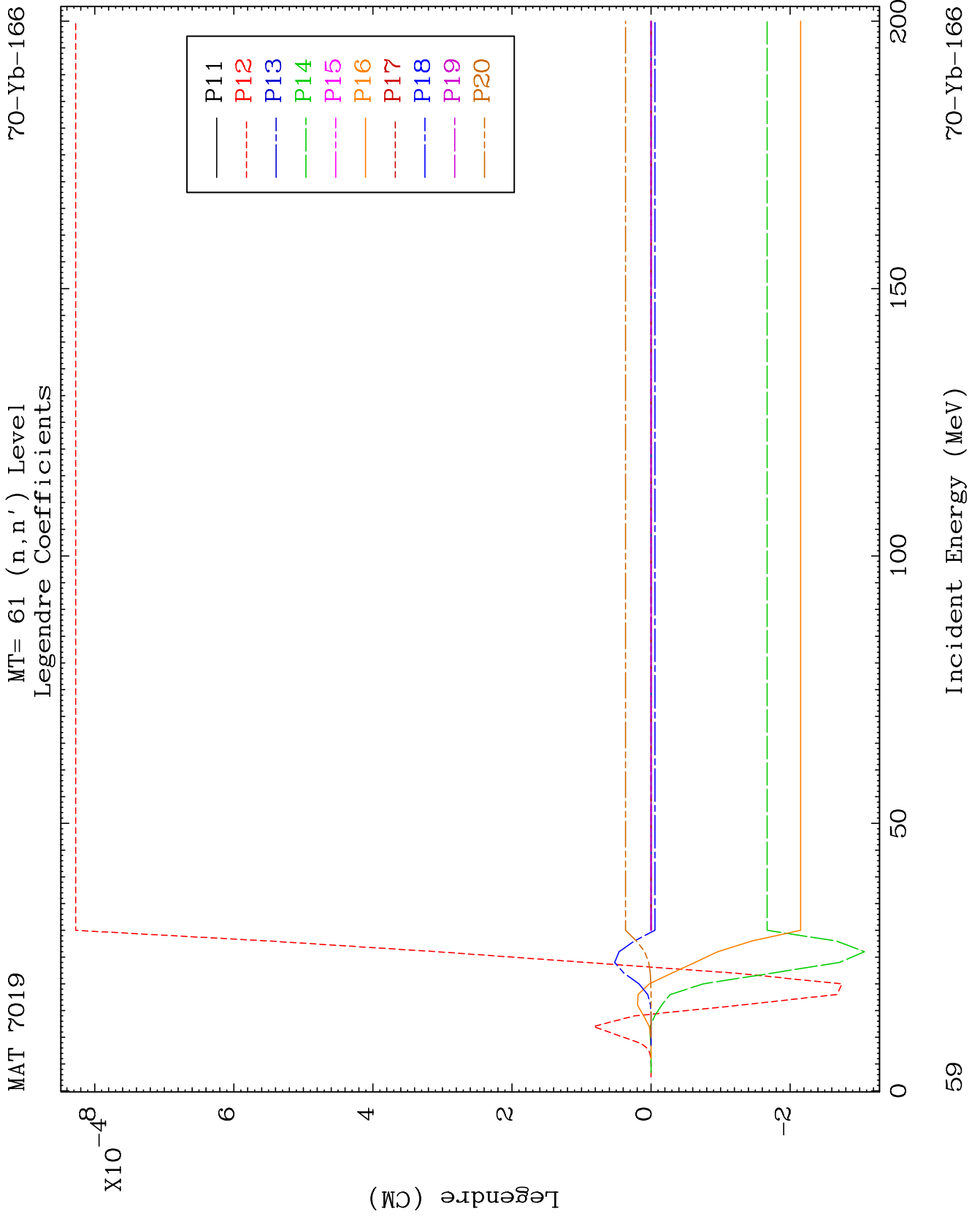
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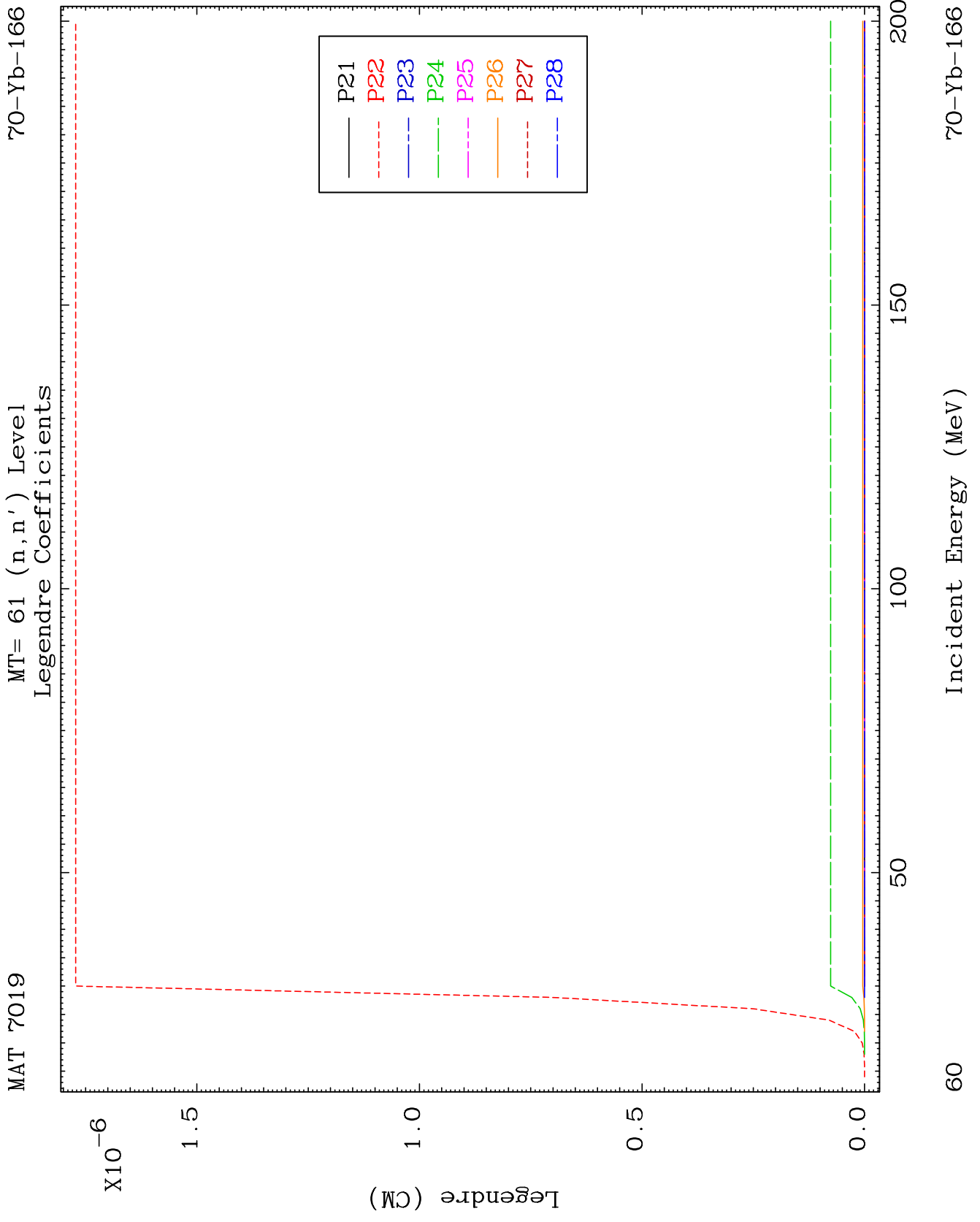
Incident Energy (MeV)

70-Yb-166





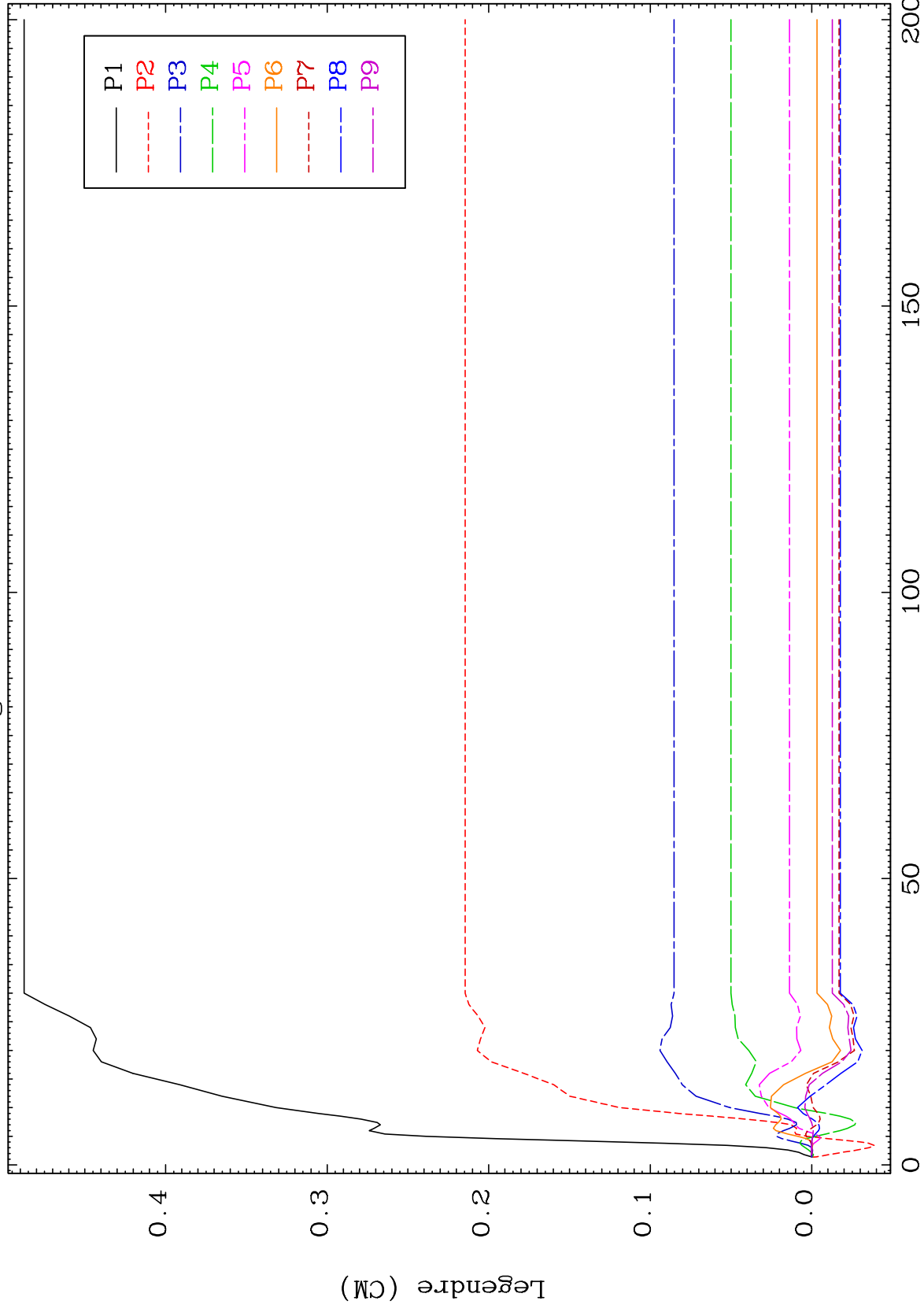




MAT 7019

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

70-Yb-166



61

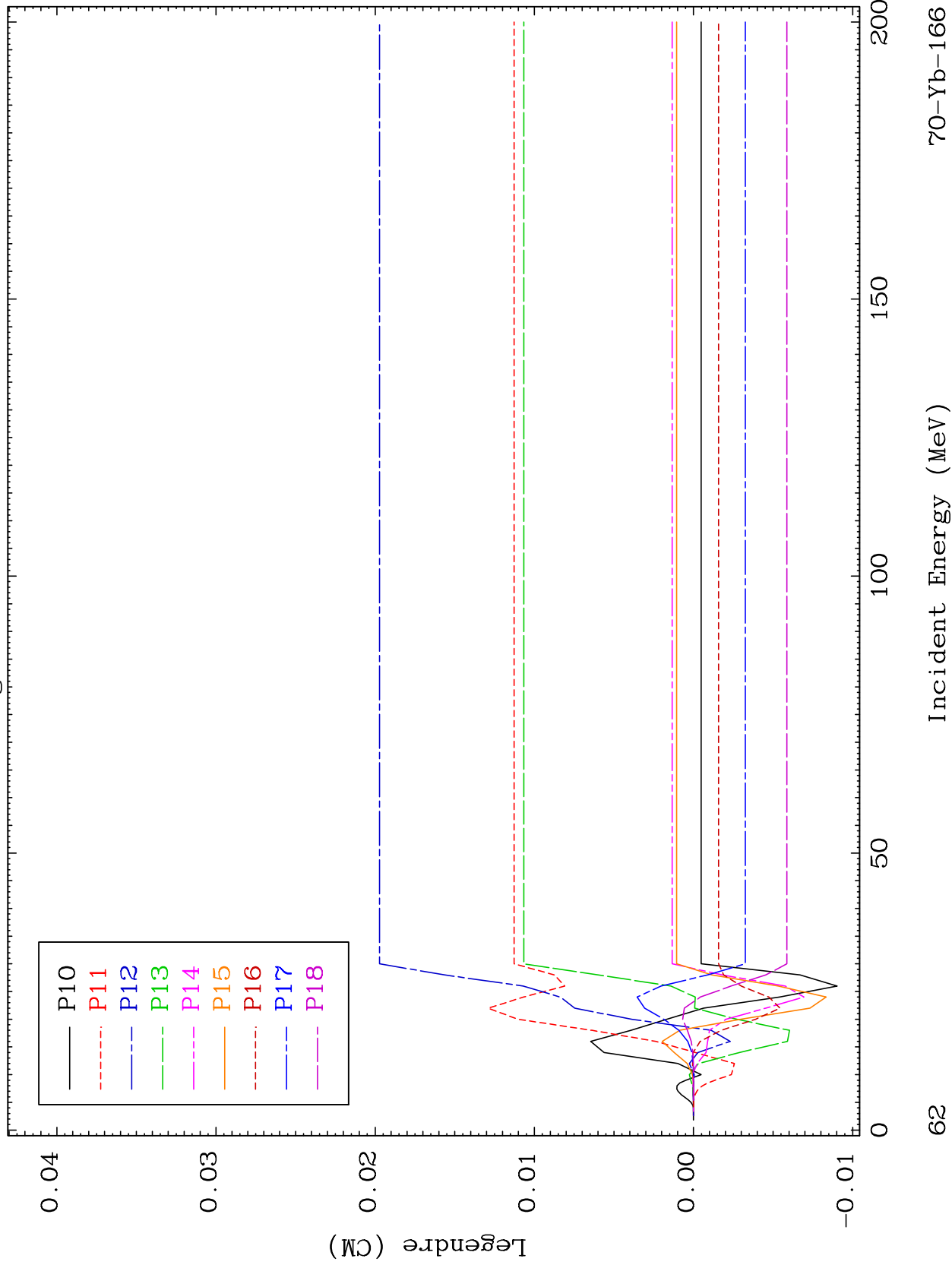
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



70-Yb-166

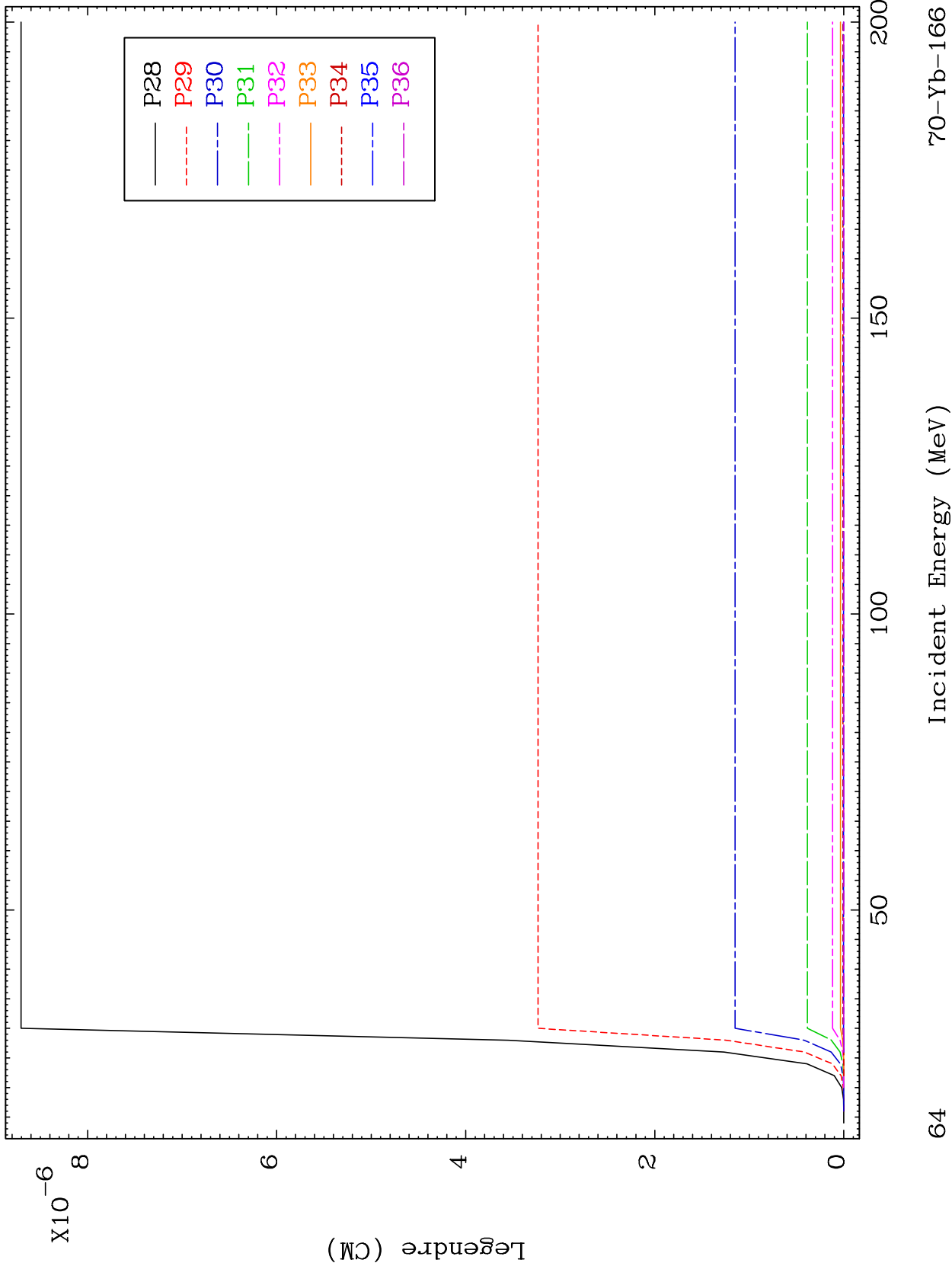
Incident Energy (MeV)

62

MAT 7019

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

70-Yb-166



64

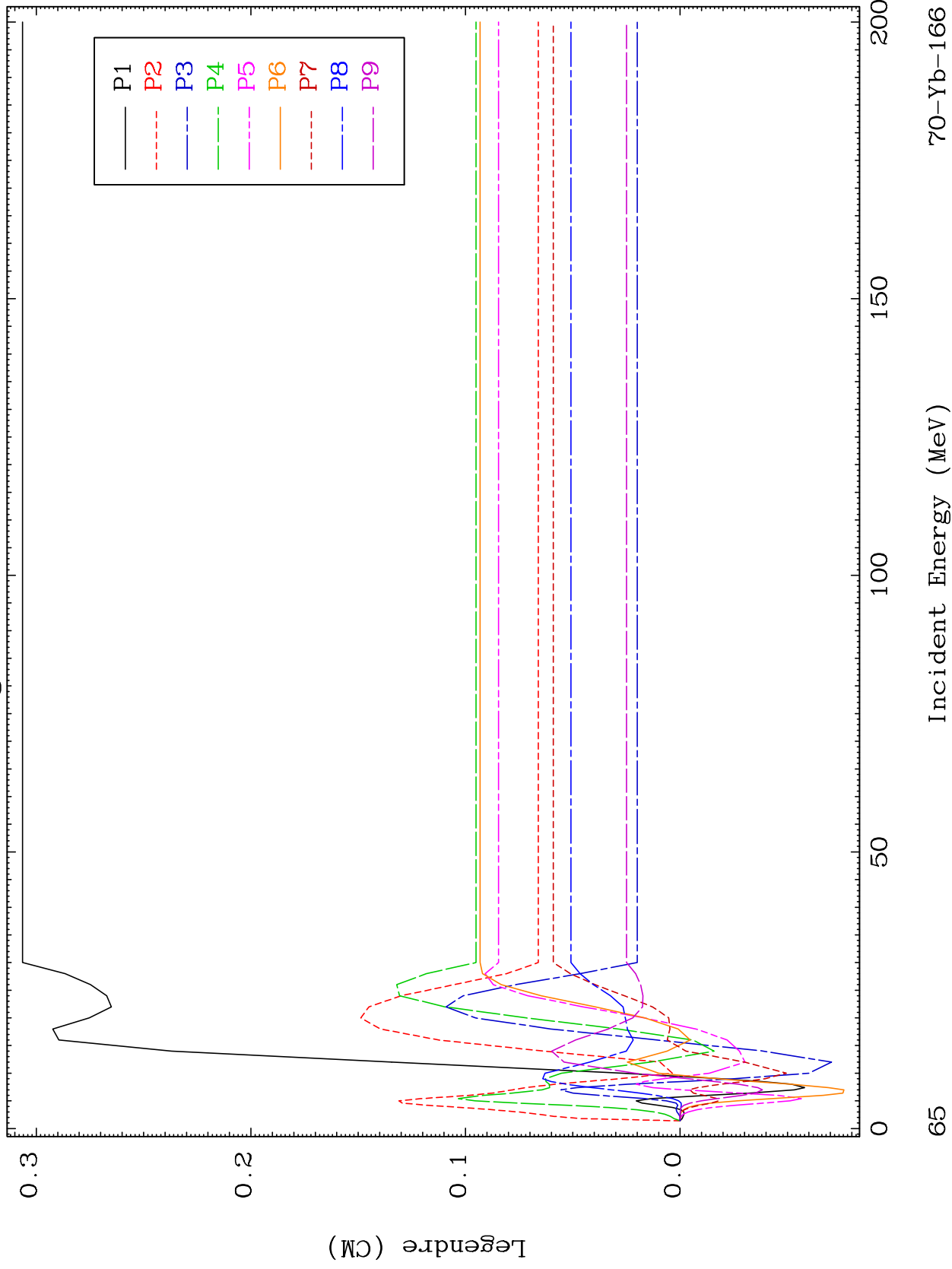
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



70-Yb-166

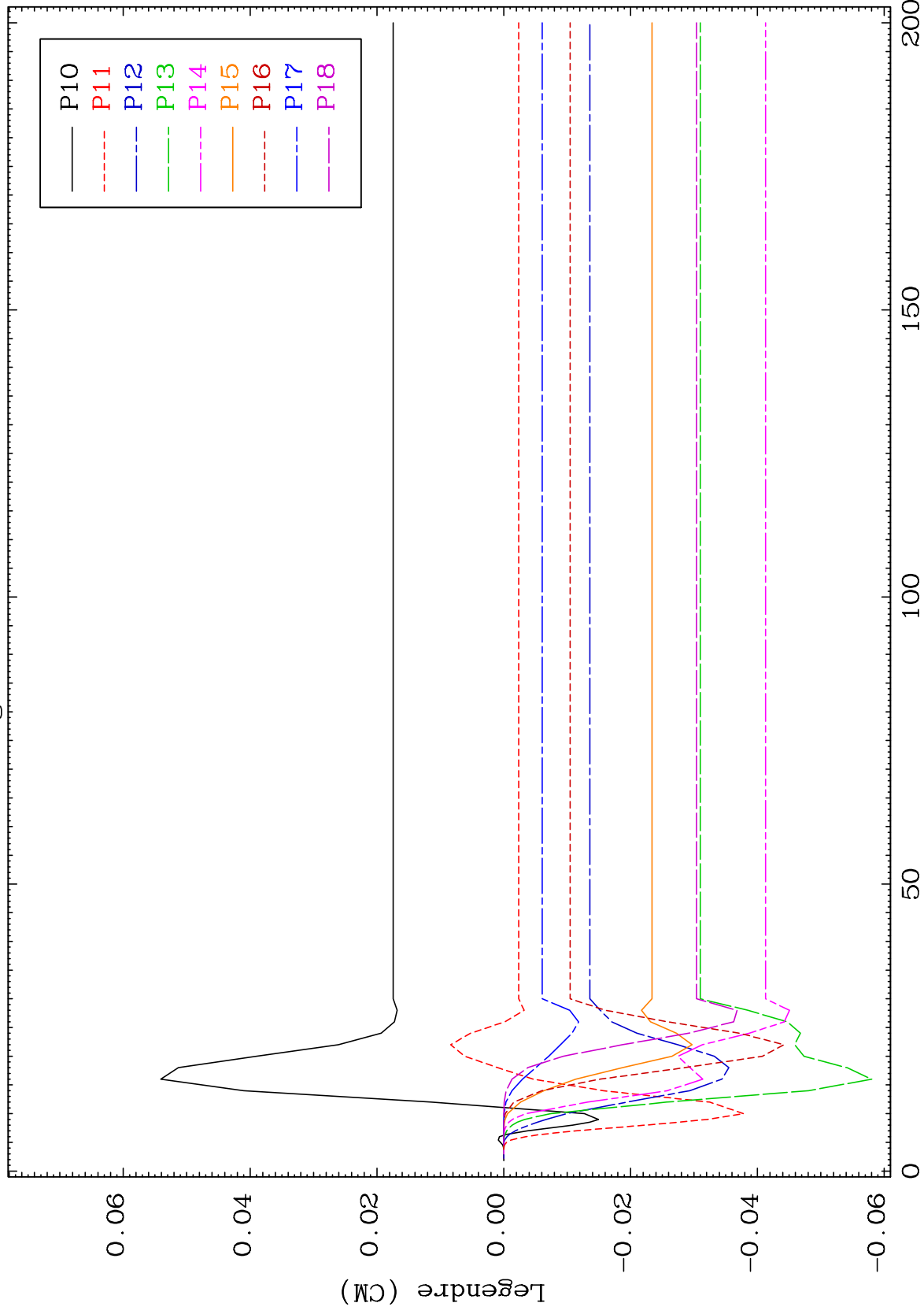
Incident Energy (MeV)

65

MAT 7019

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

70-Yb-166



66

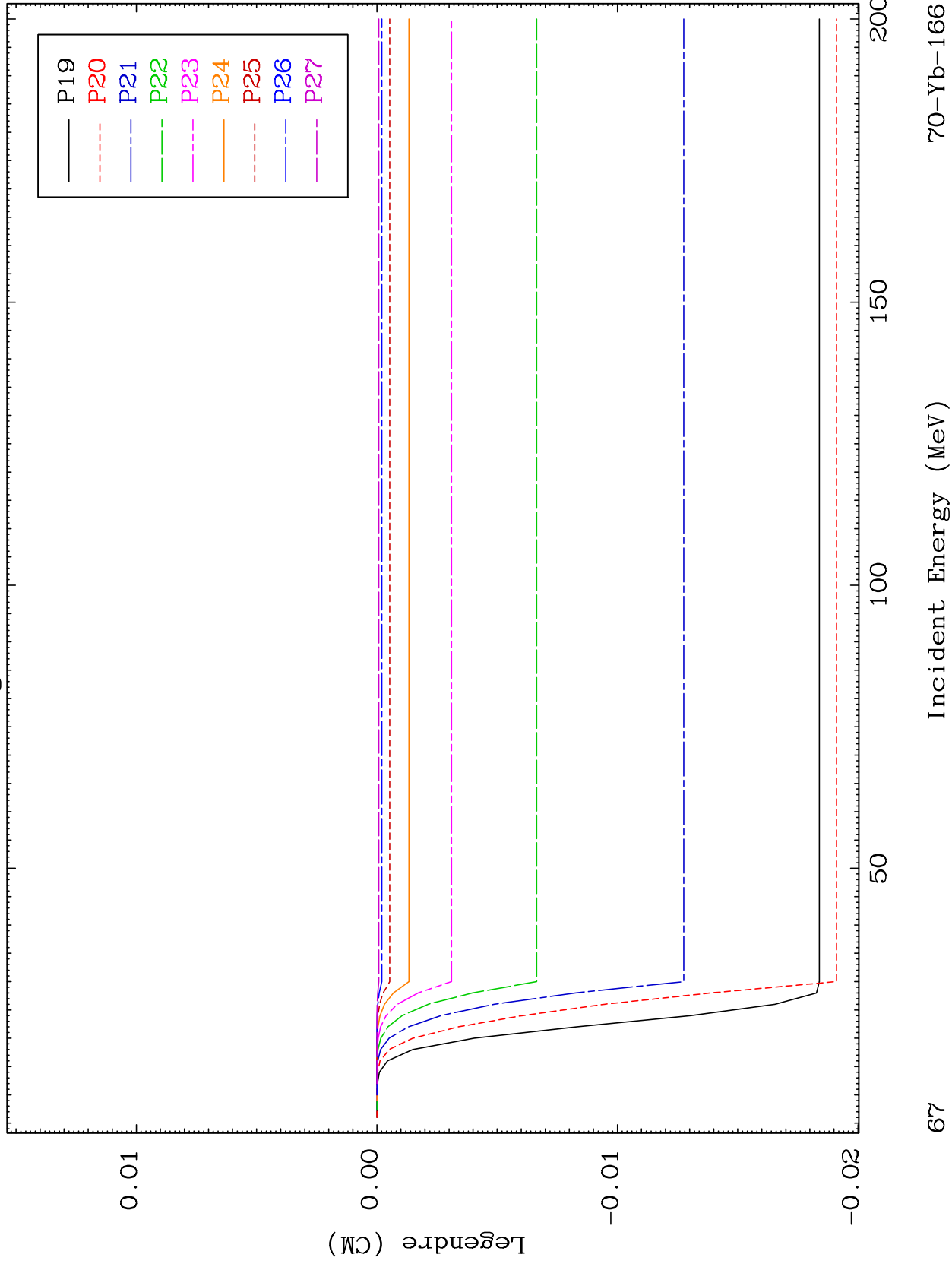
Incident Energy (MeV)

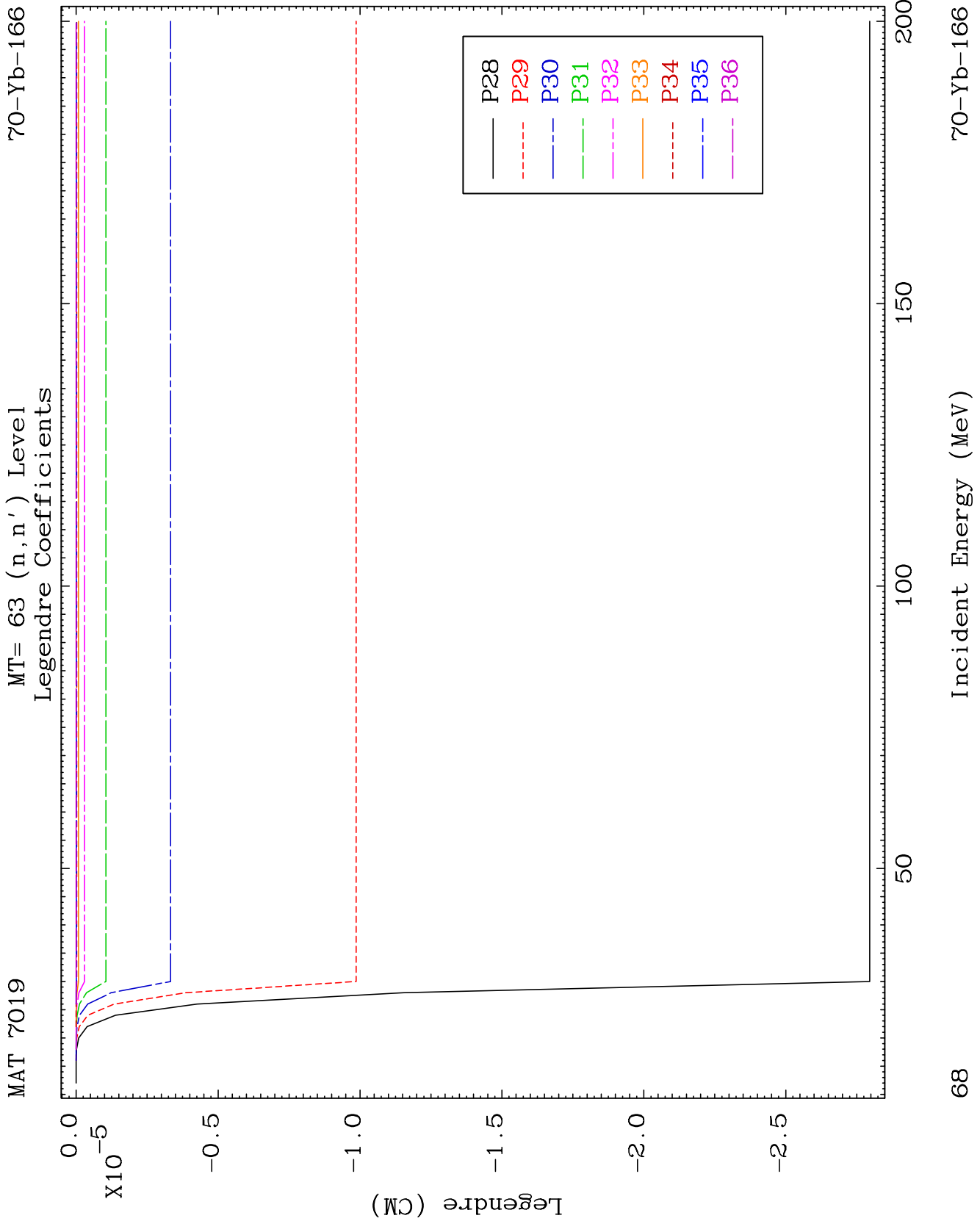
70-Yb-166

MAT 7019

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

70-Yb-166

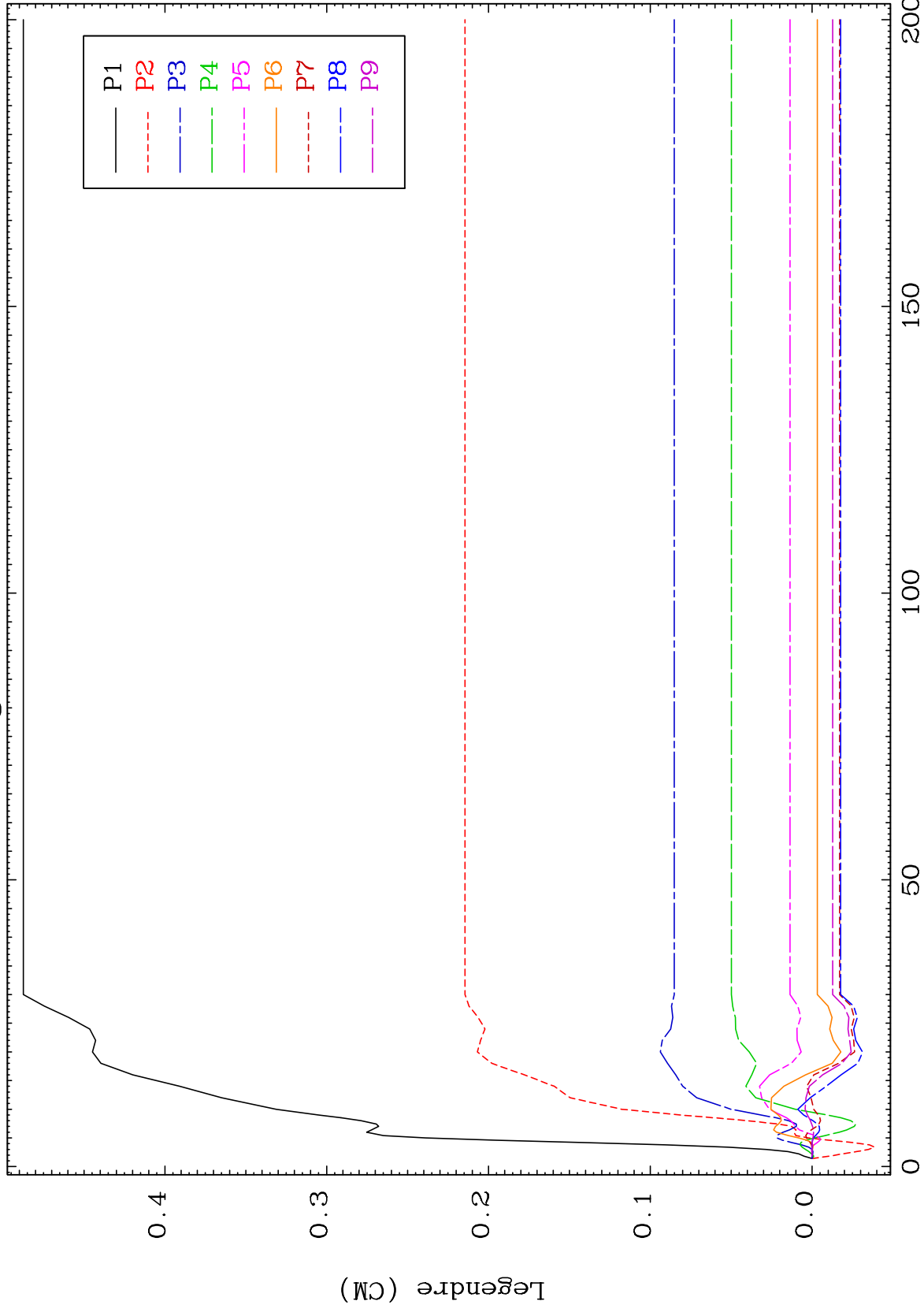




MAT 7019

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

70-Yb-166



69

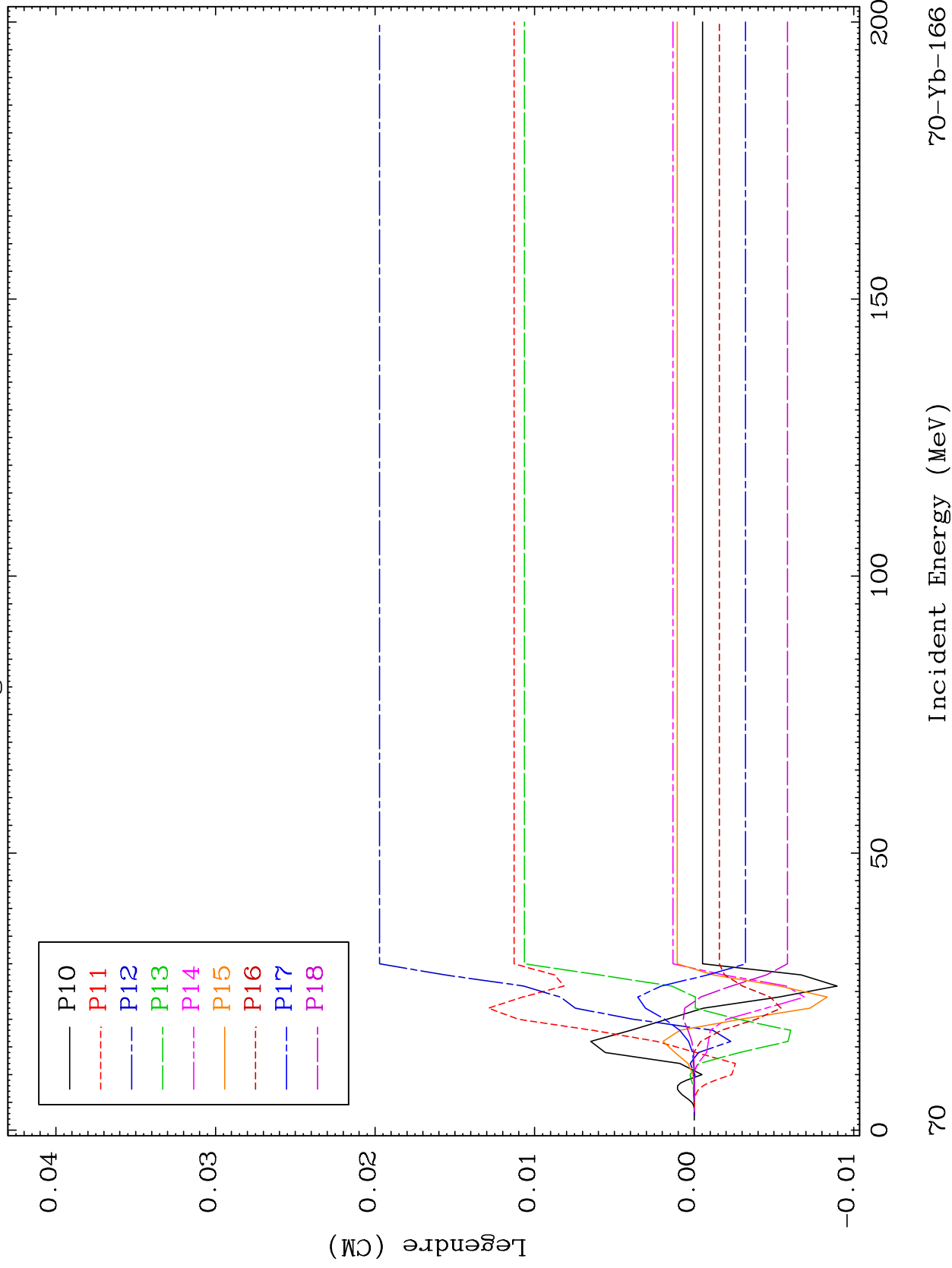
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

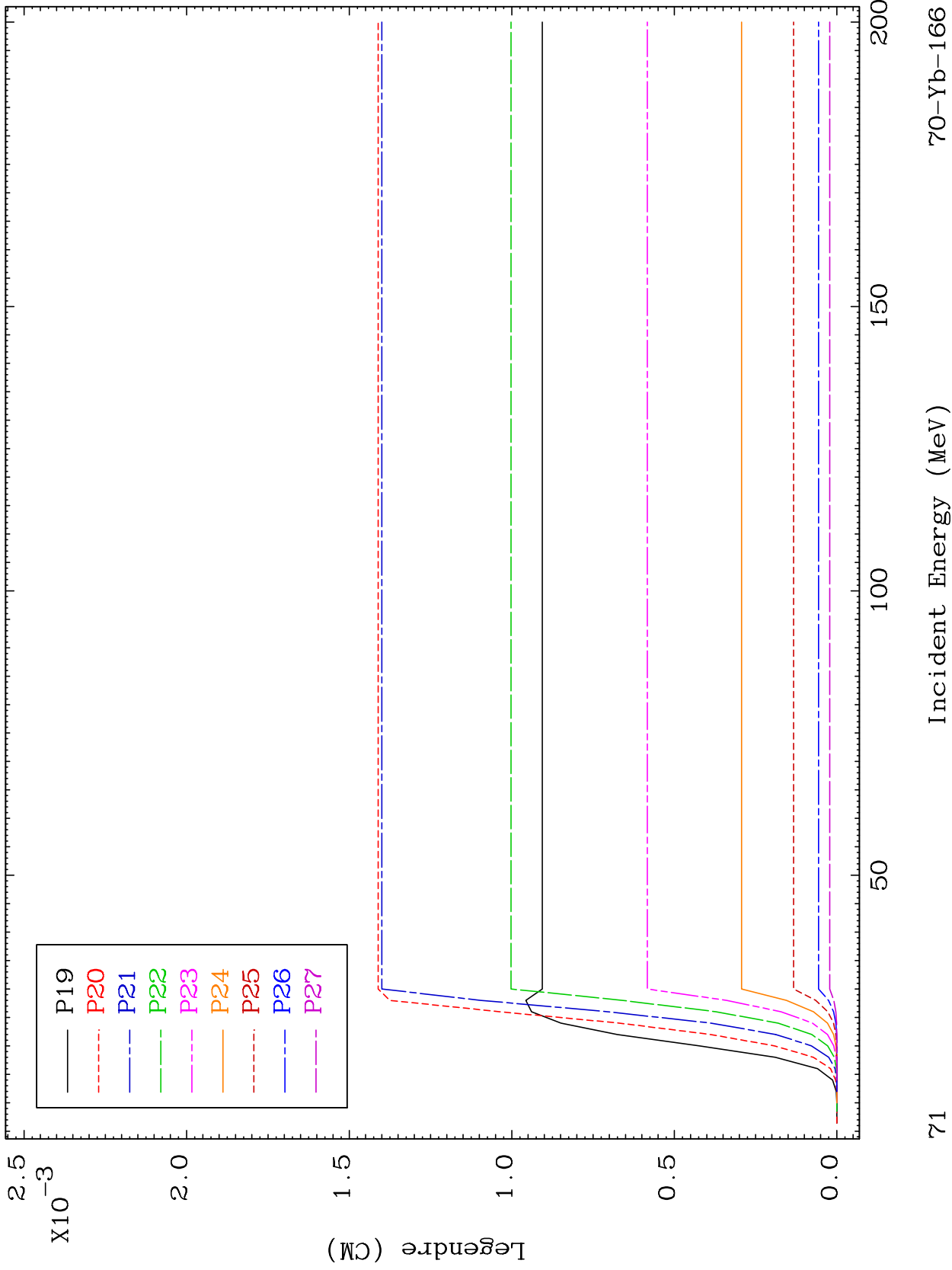
70-Yb-166



70-Yb-166

Incident Energy (MeV)

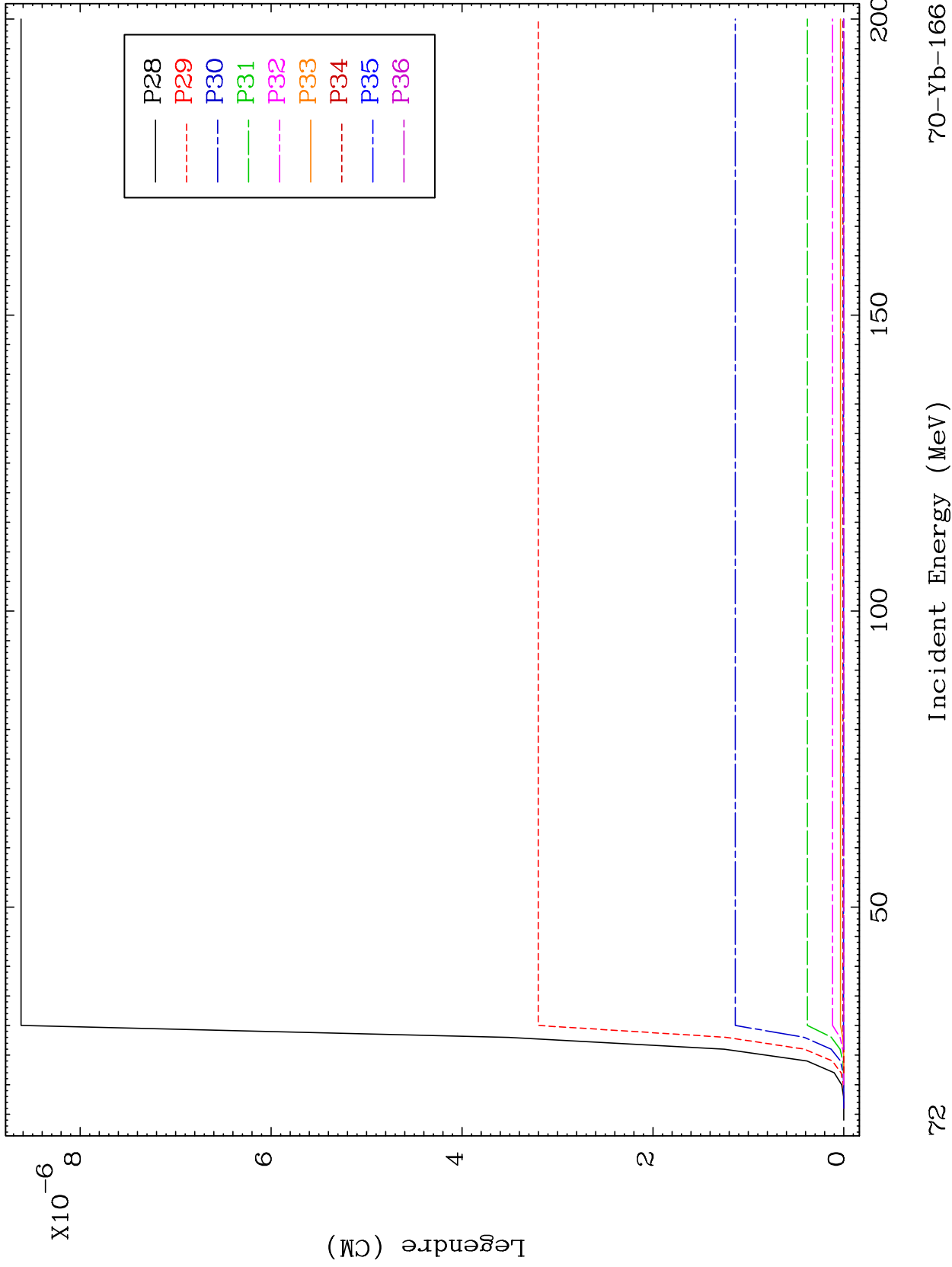
70



MAT 7019

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

70-Yb-166

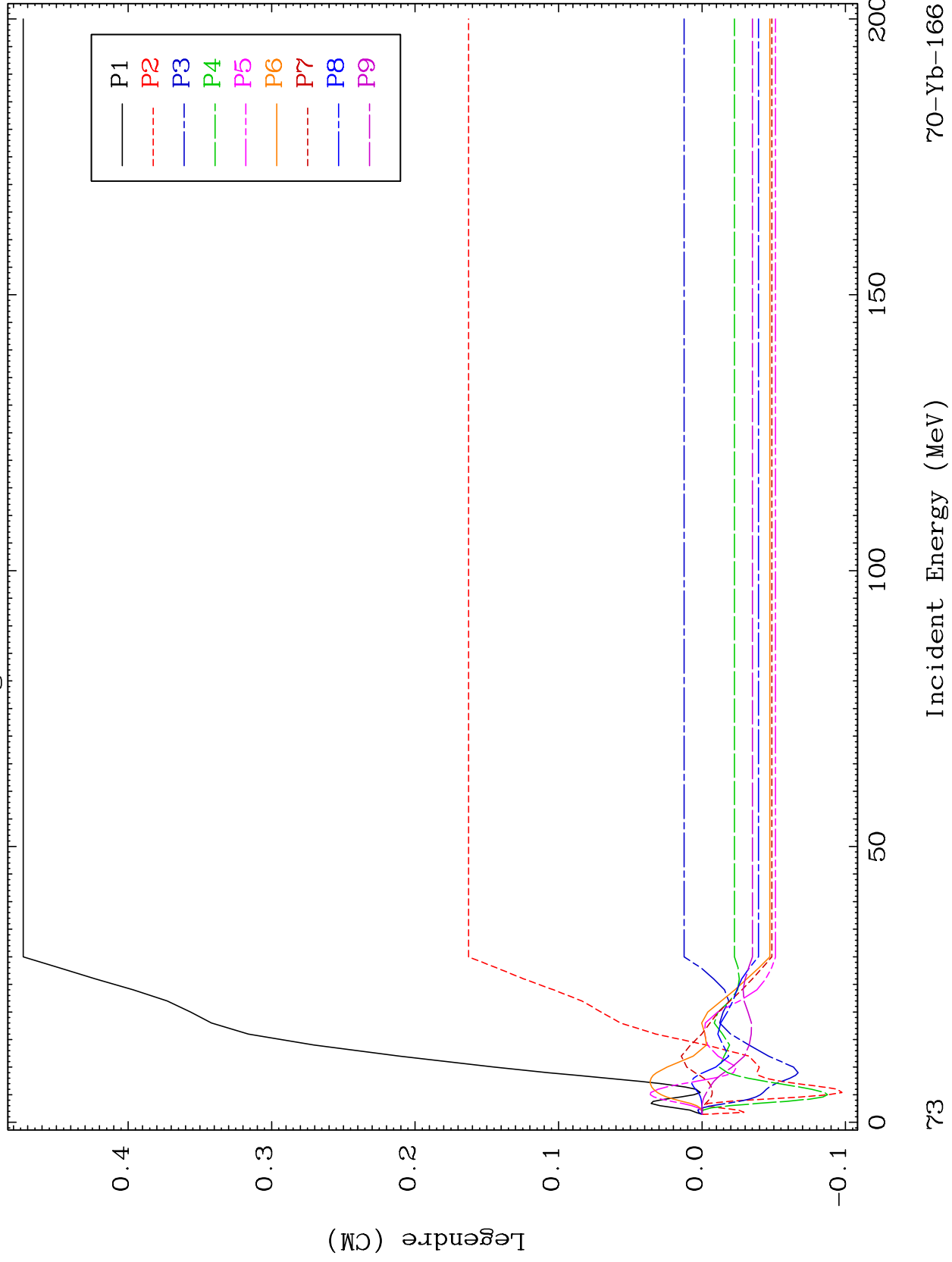


72

MAT 7019

MT= 65 (n,n') Level
Legendre Coefficients

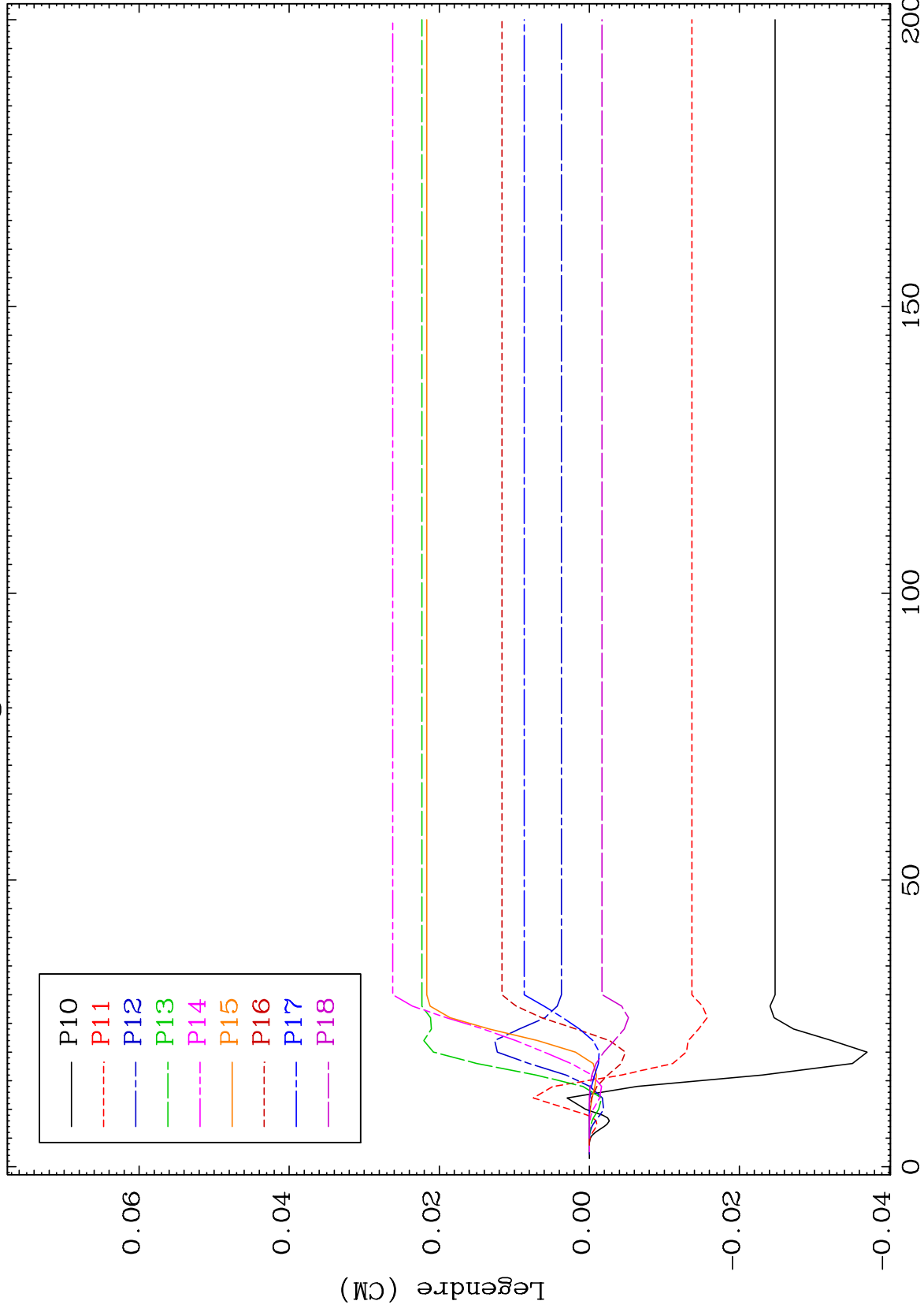
70-Yb-166



MAT 7019

MT= 65 (n,n') Level
Legendre Coefficients

70-Yb-166



74

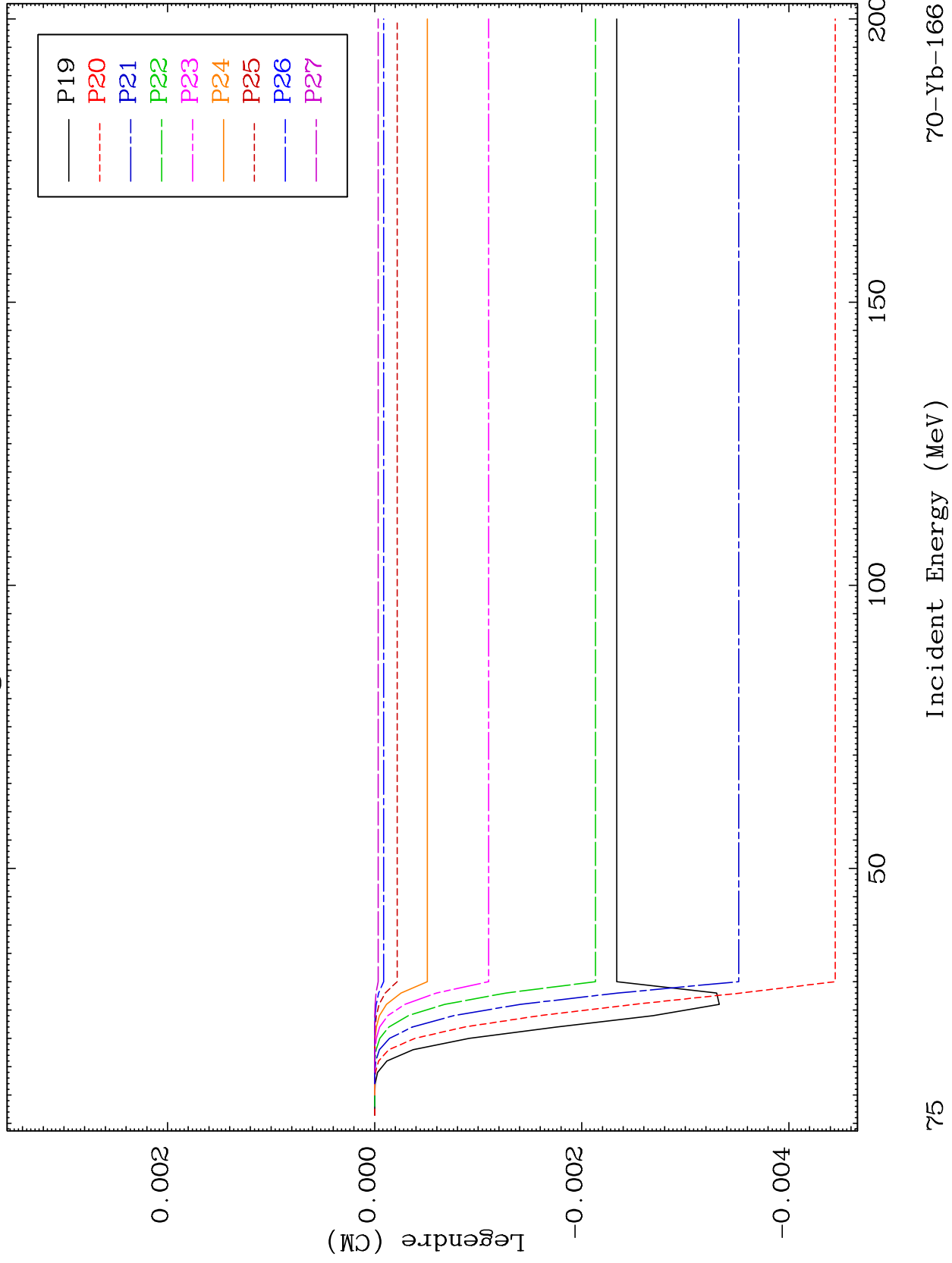
Incident Energy (MeV)

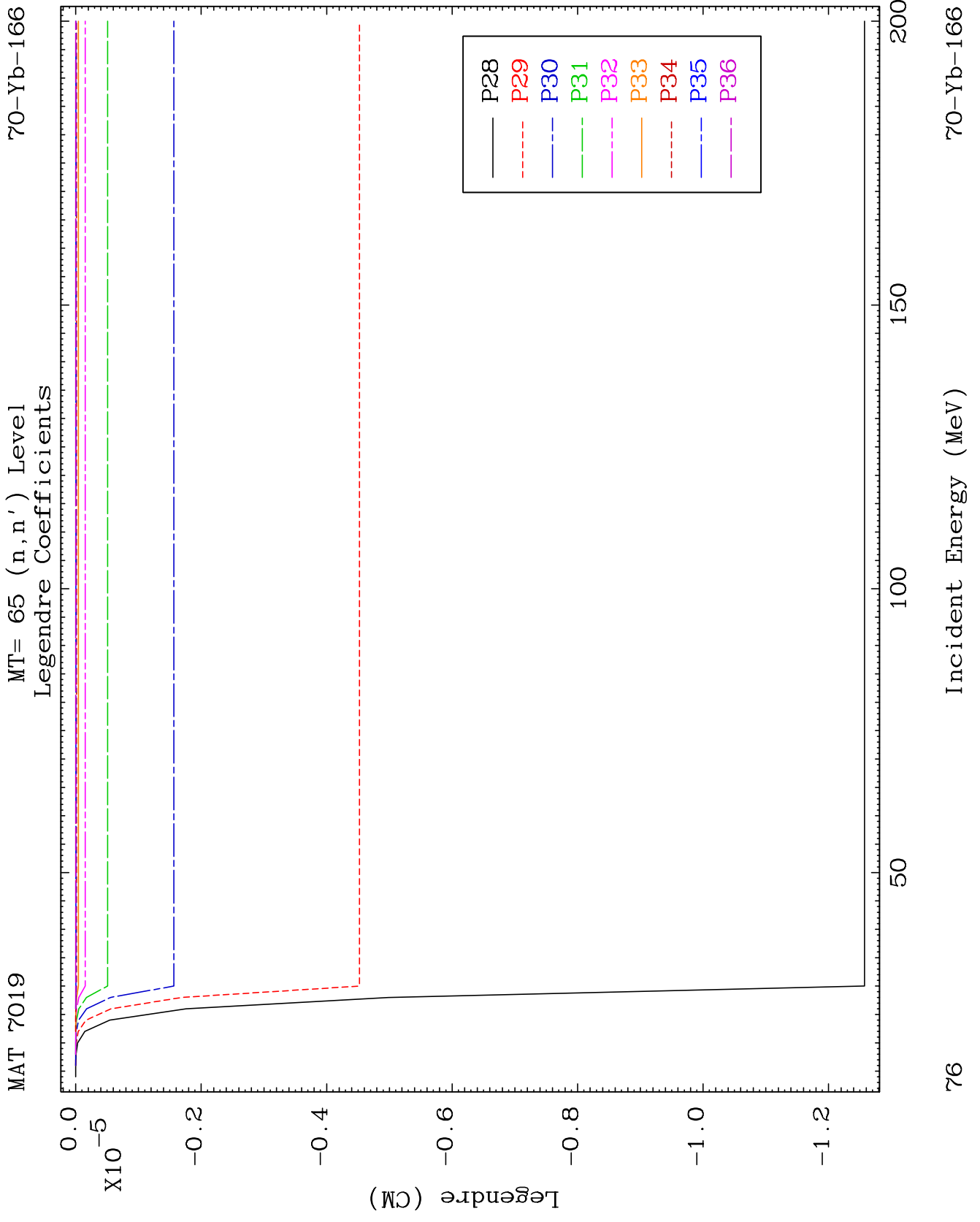
70-Yb-166

MAT 7019

MT= 65 (n,n') Level
Legendre Coefficients

70-Yb-166

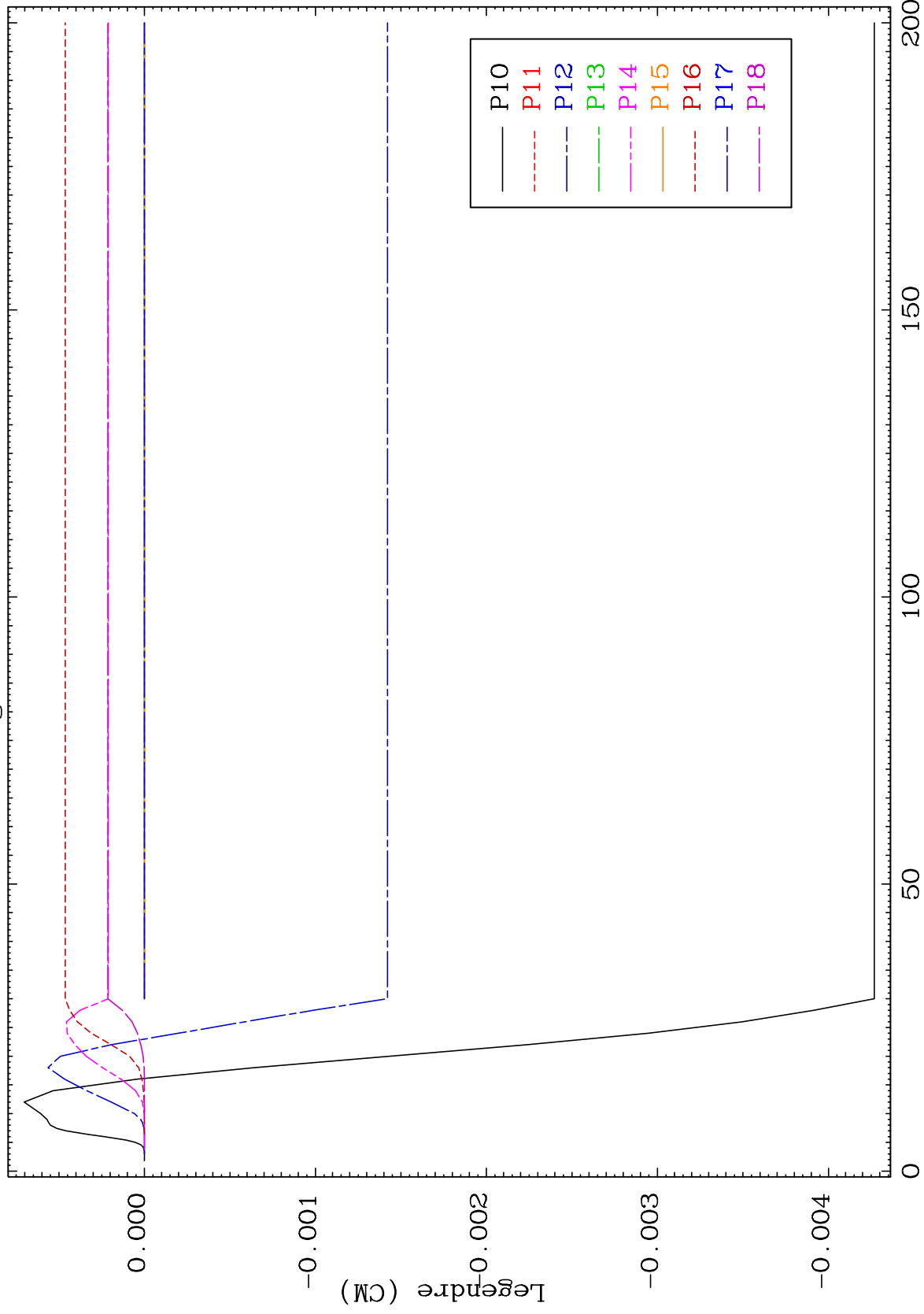




MAT 7019

MT= 66 (n,n') Level
Legendre Coefficients

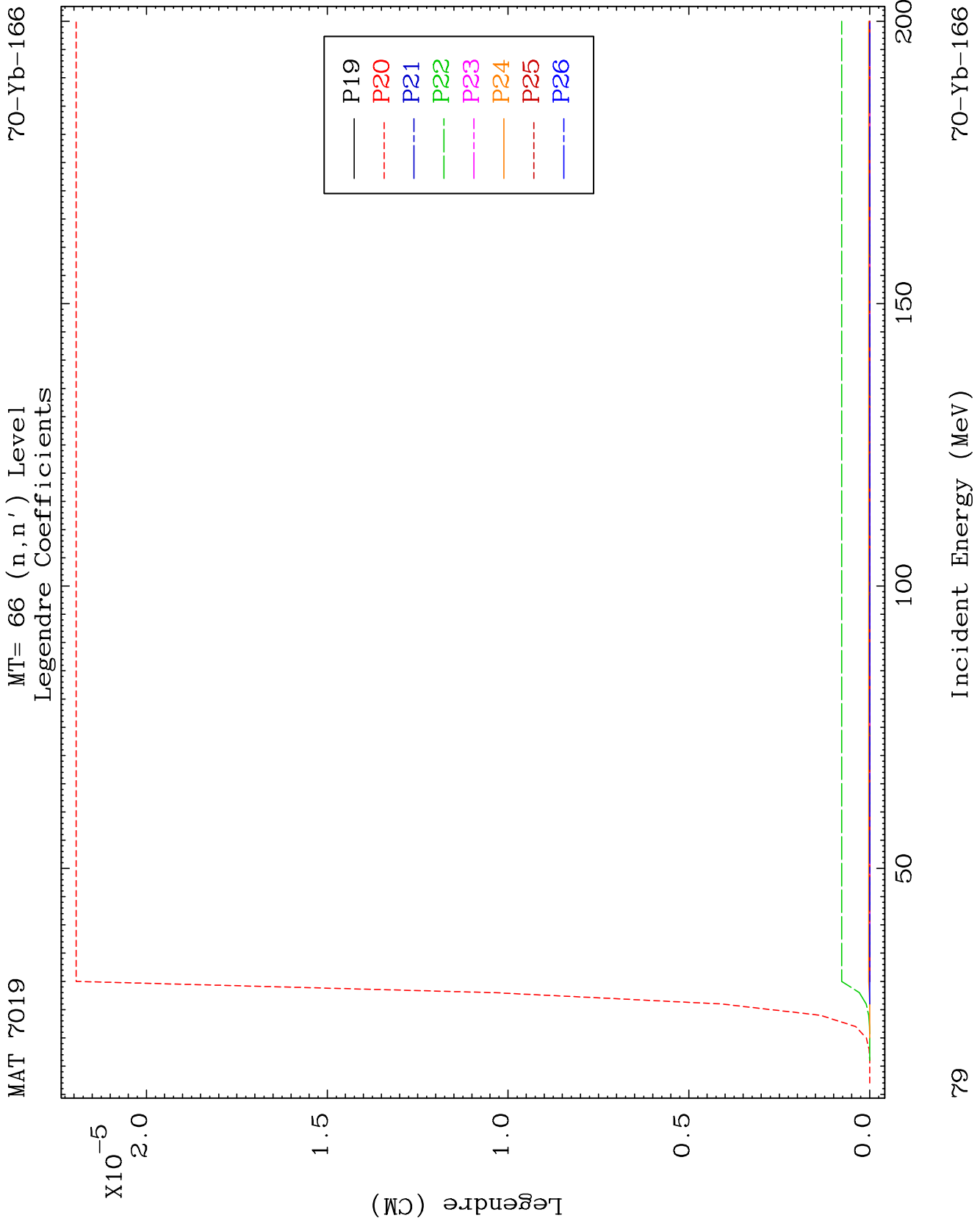
70-Yb-166



78

Incident Energy (MeV)

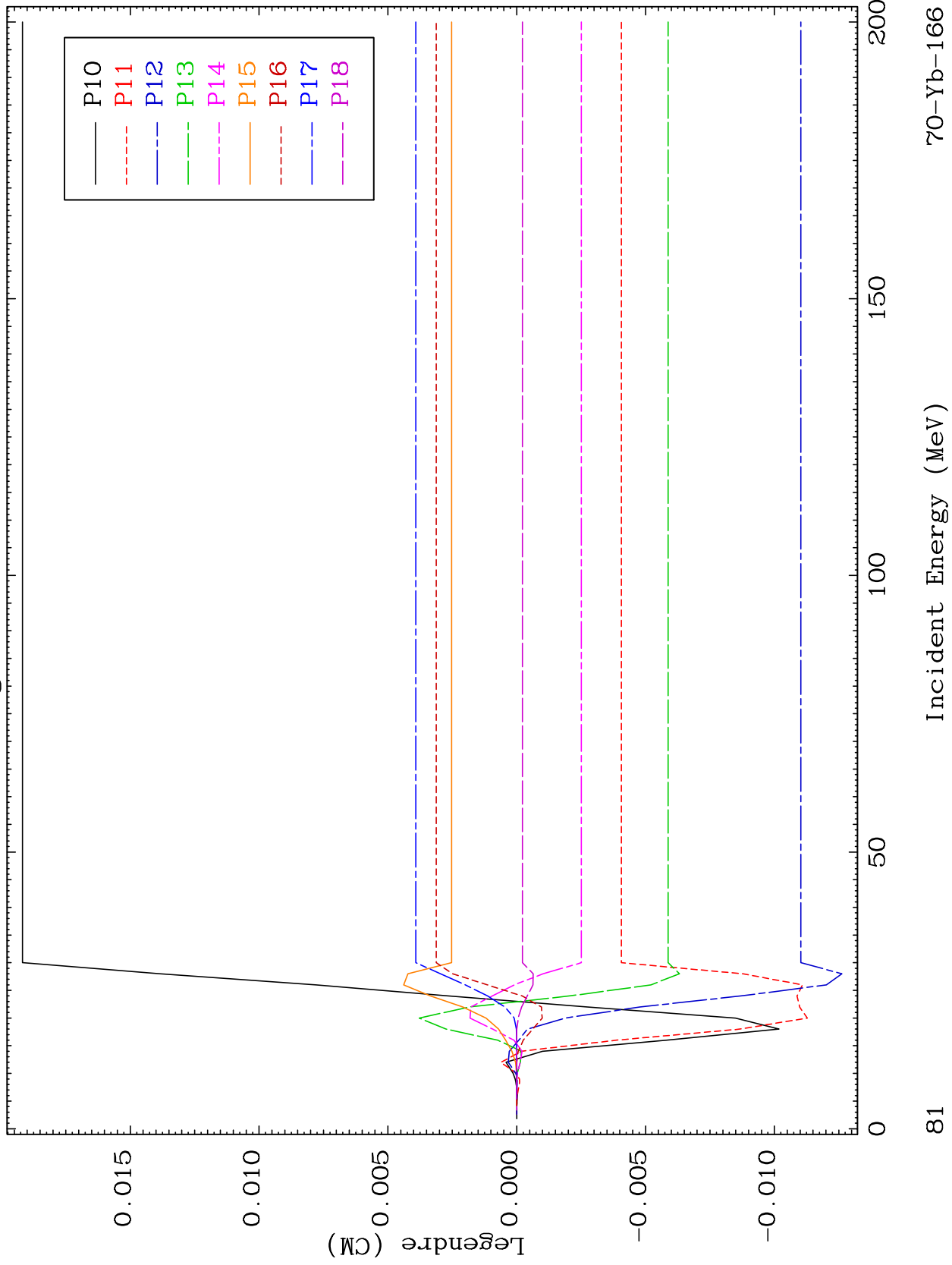
70-Yb-166



MAT 7019

MT= 67 (n,n') Level
Legendre Coefficients

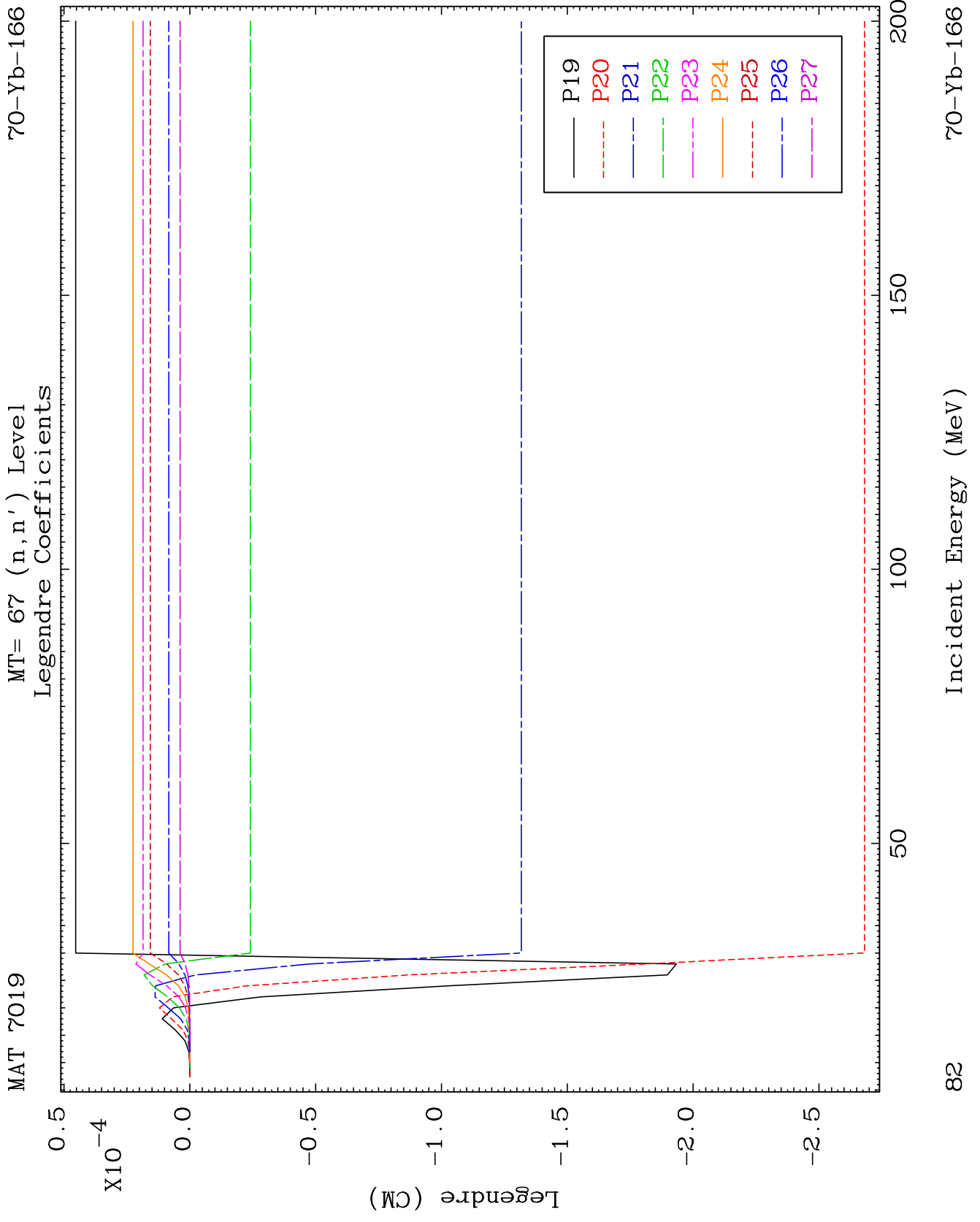
70-Yb-166



81

Incident Energy (MeV)

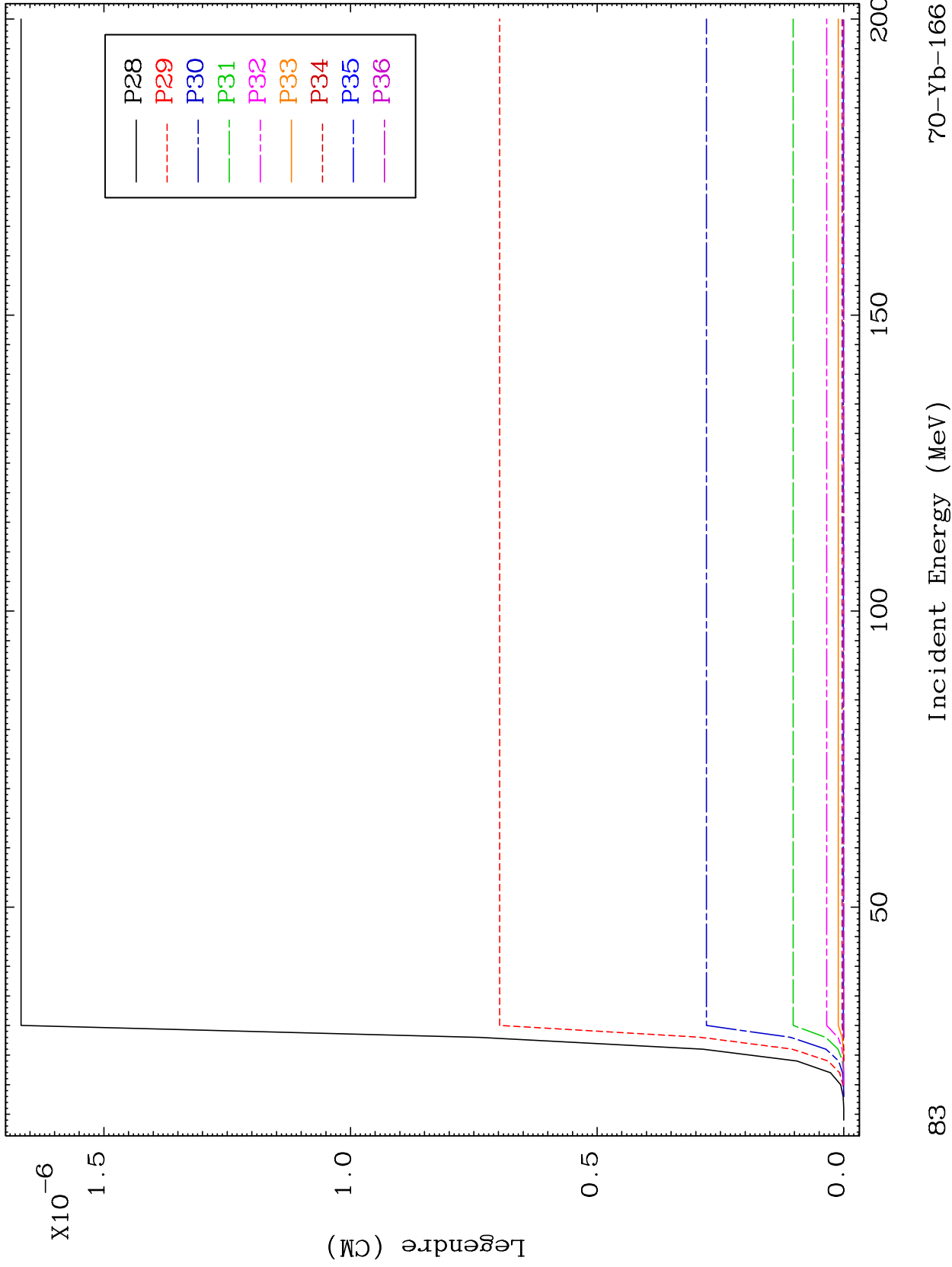
70-Yb-166

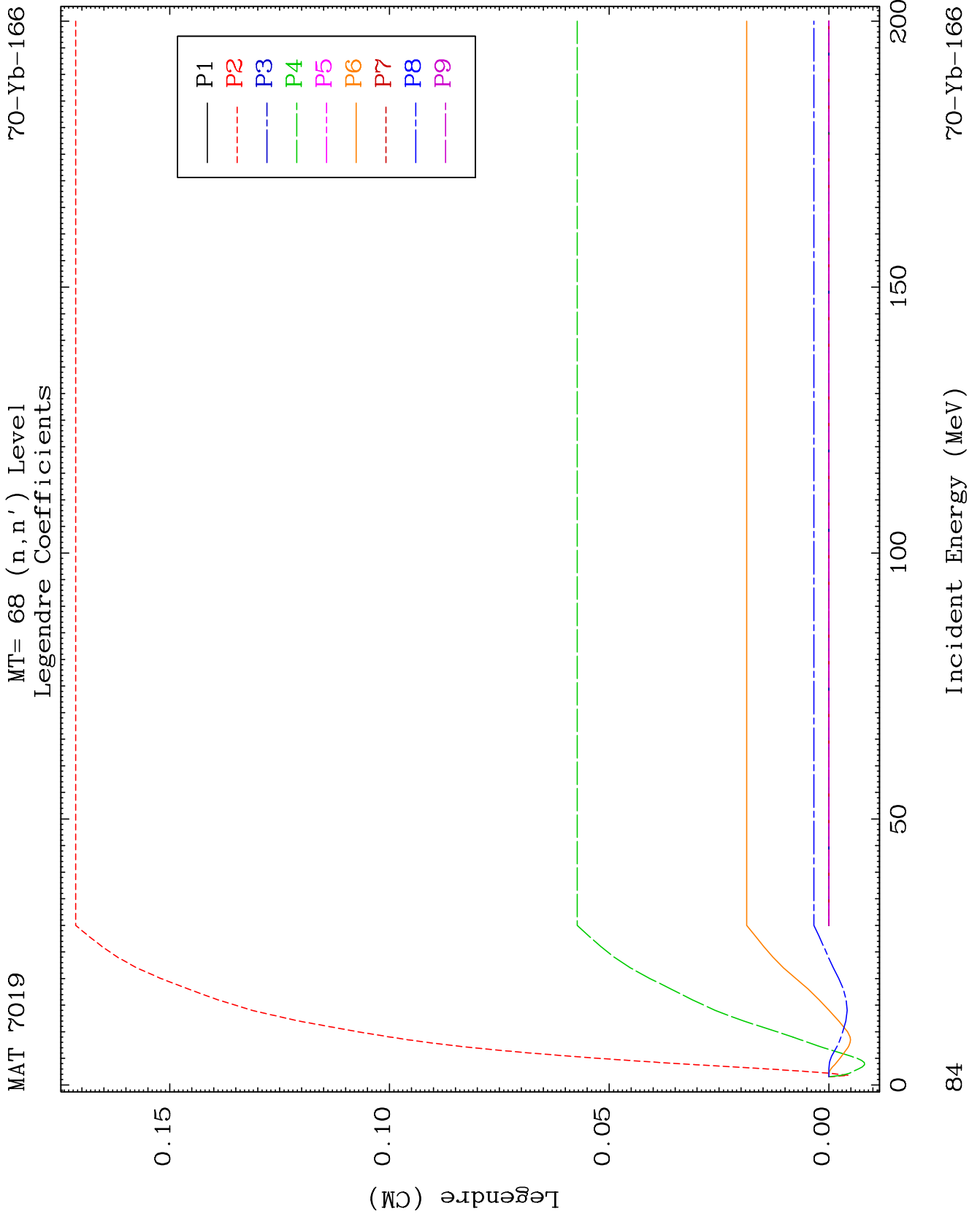


MAT 7019

MT= 67 (n,n') Level
Legendre Coefficients

70-Yb-166

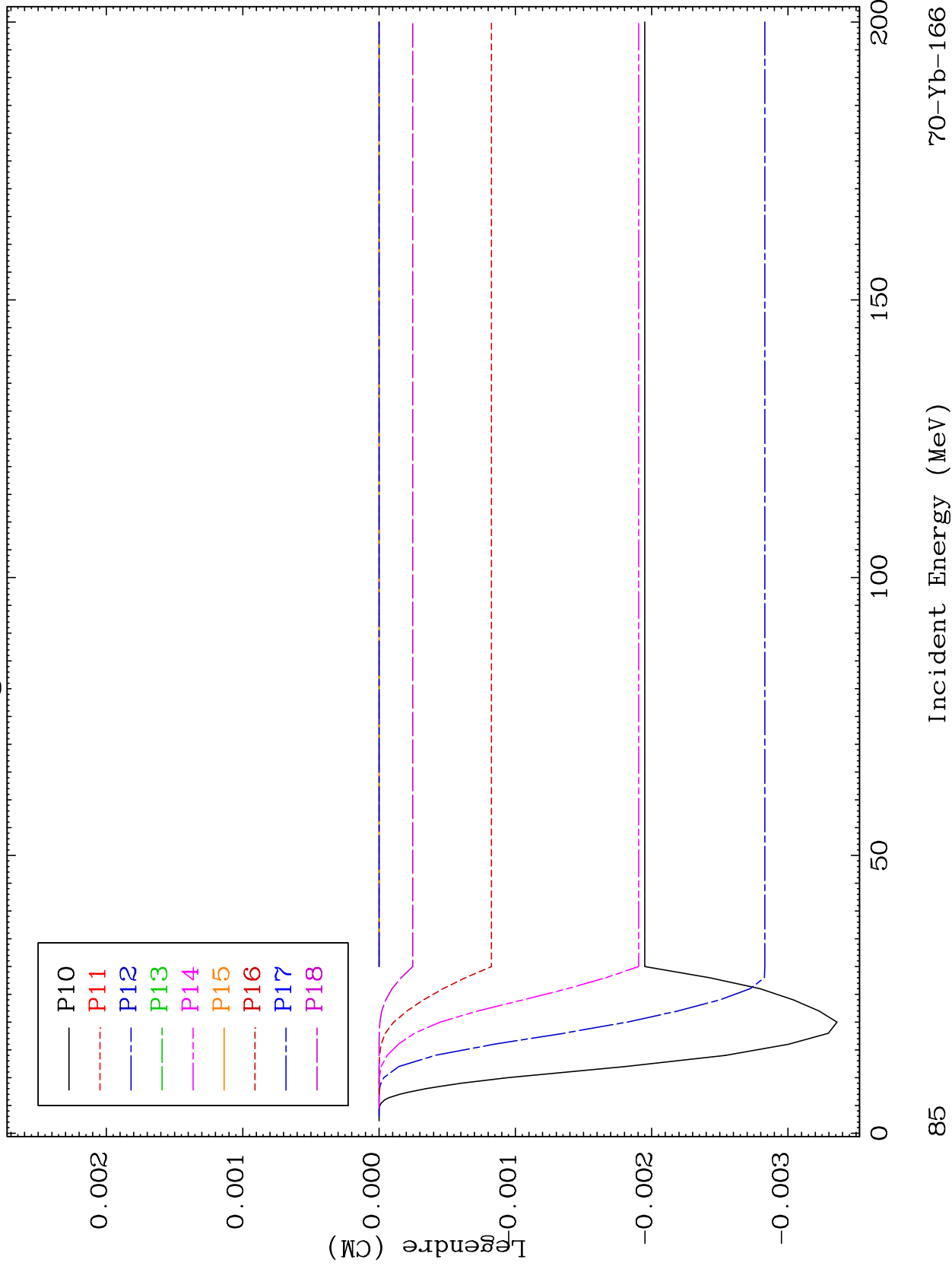




MAT 7019

MT= 68 (n,n') Level
Legendre Coefficients

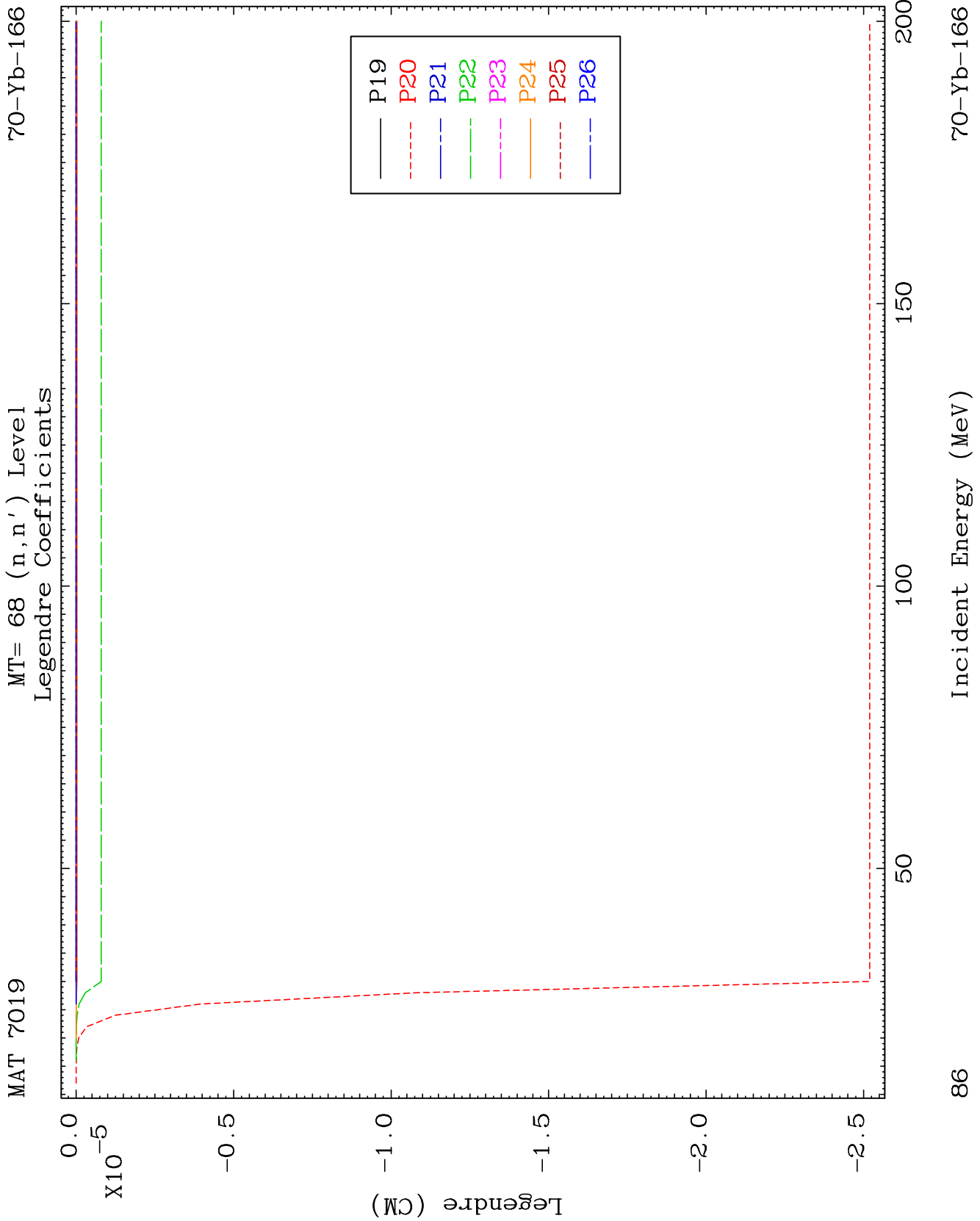
70-Yb-166

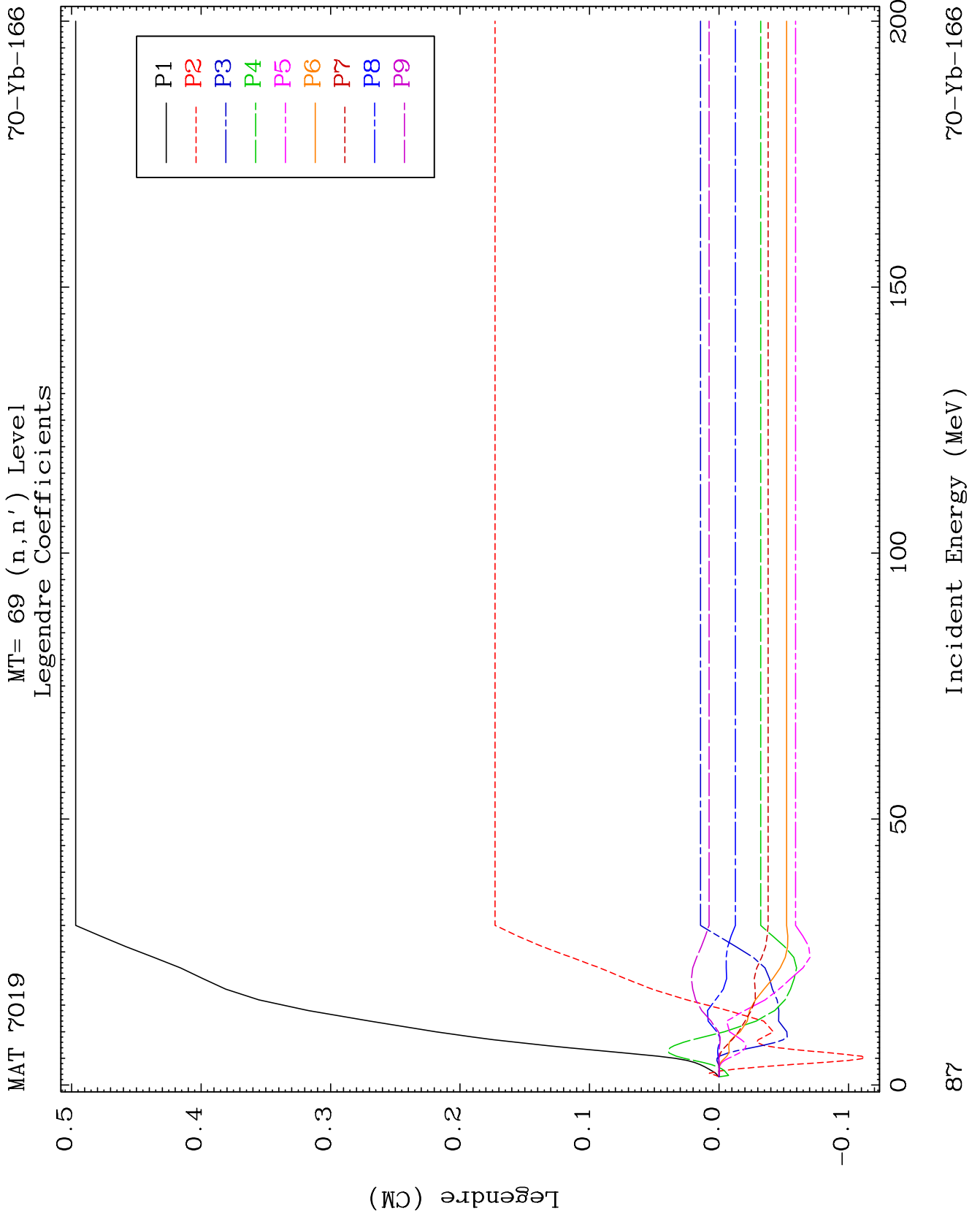


85

Incident Energy (MeV)

70-Yb-166

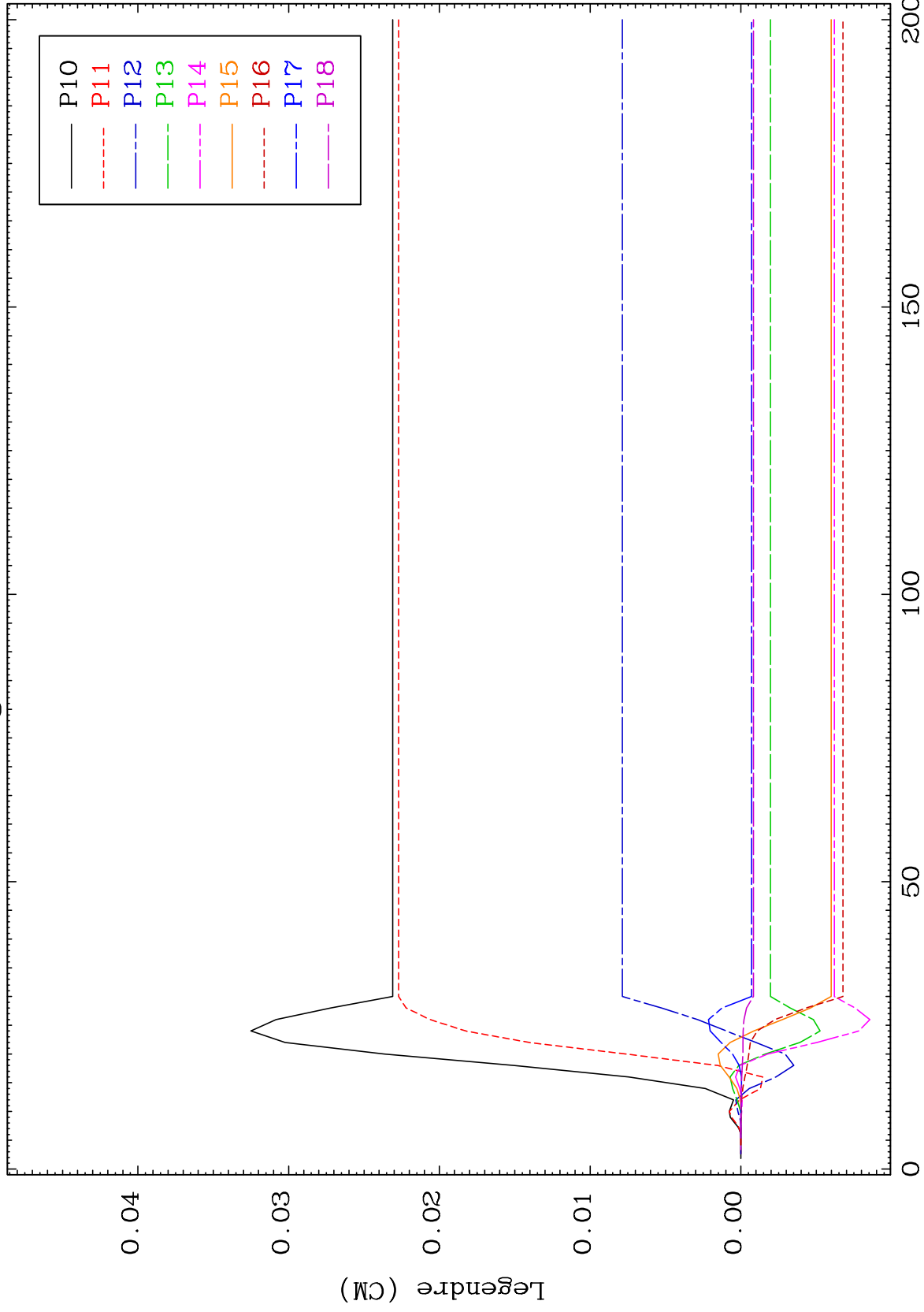




MAT 7019

MT= 69 (n,n') Level
Legendre Coefficients

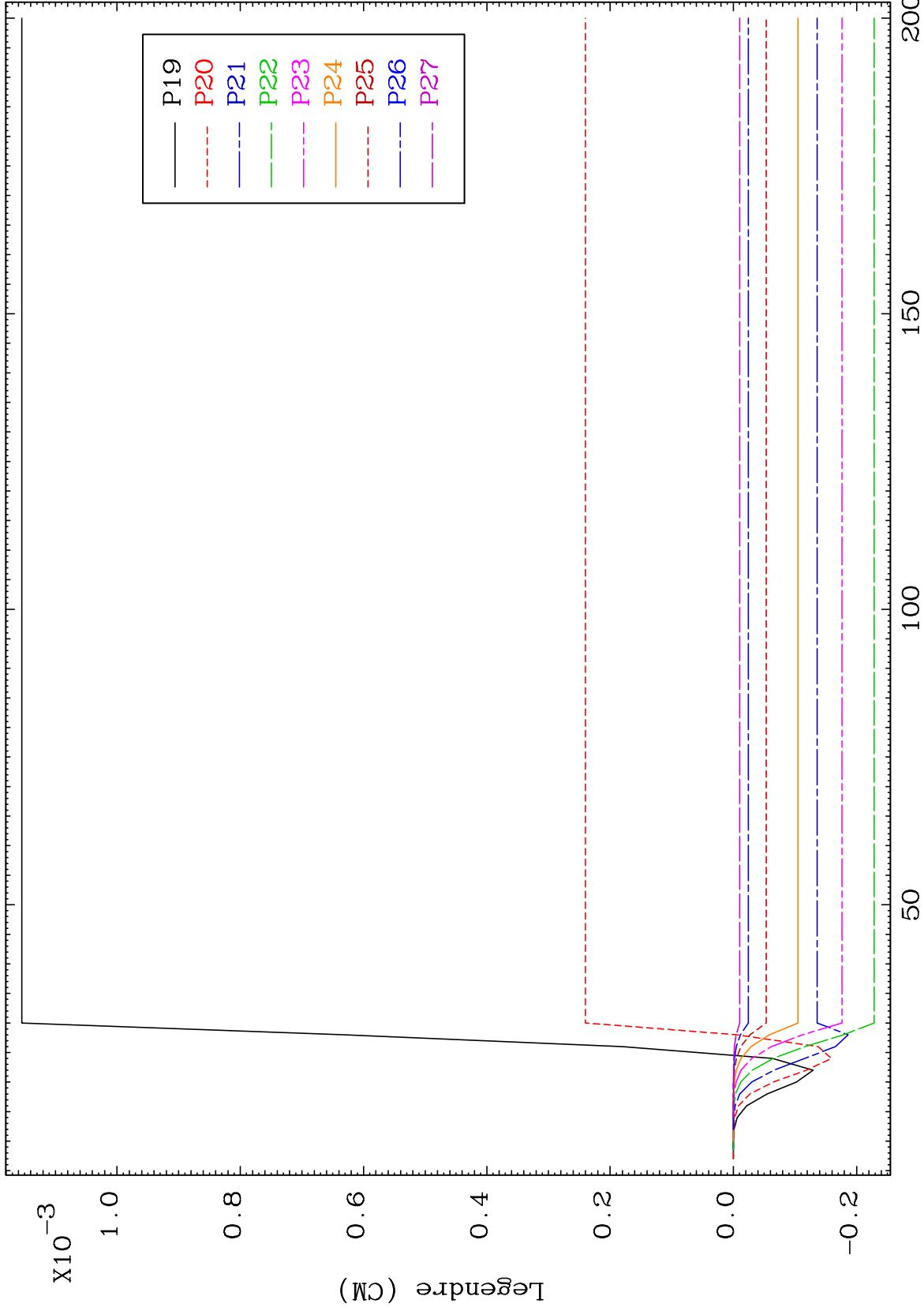
70-Yb-166

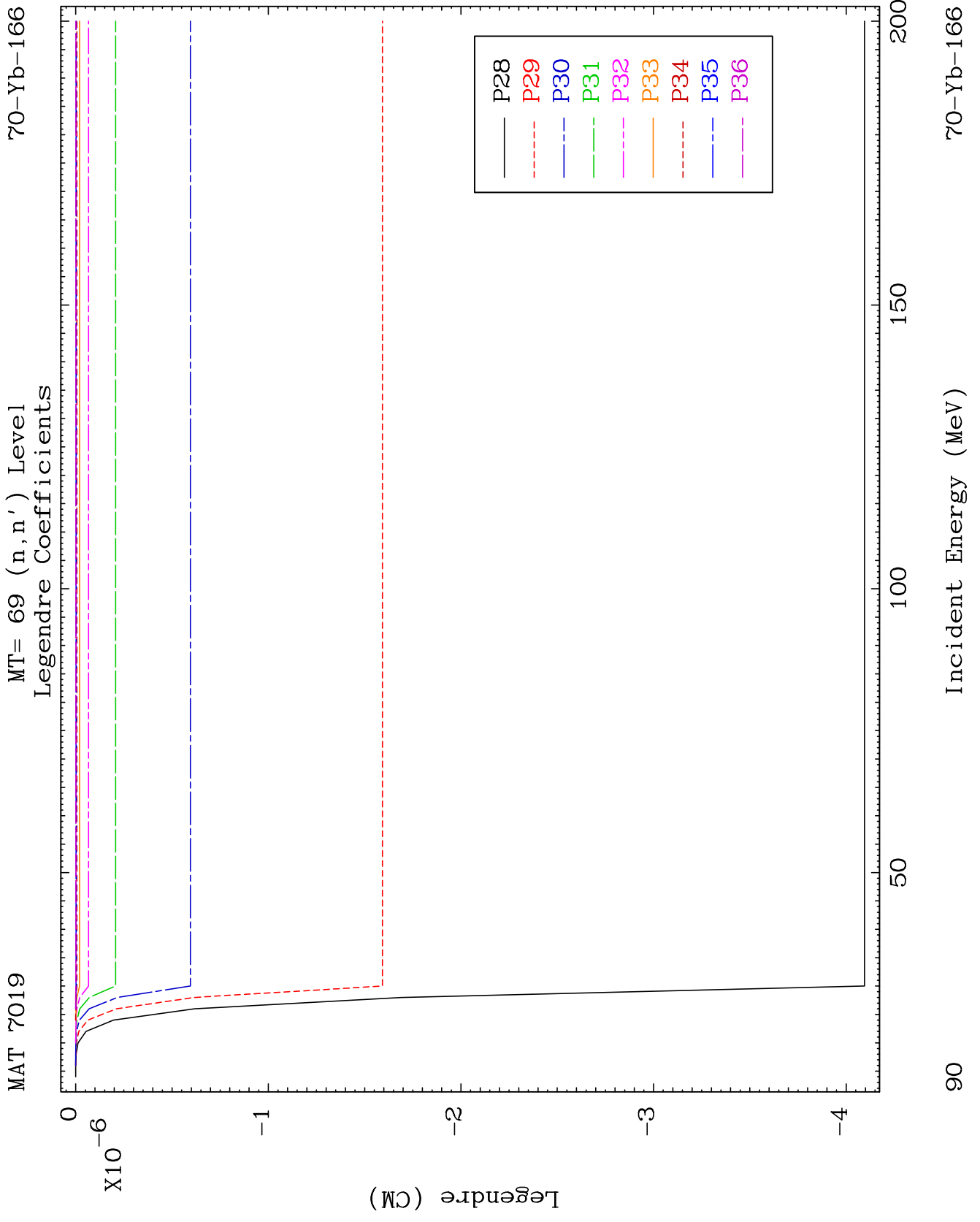


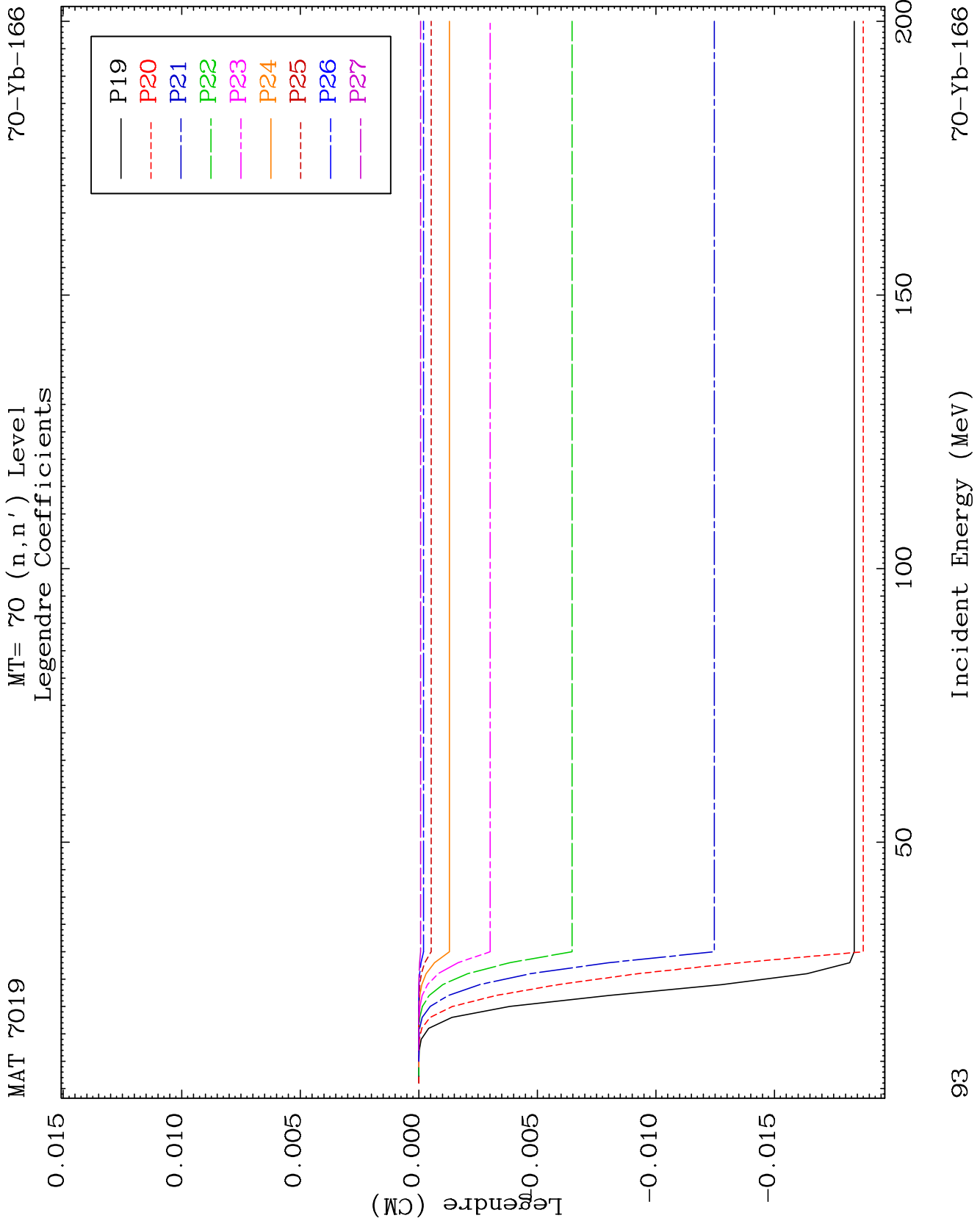
88

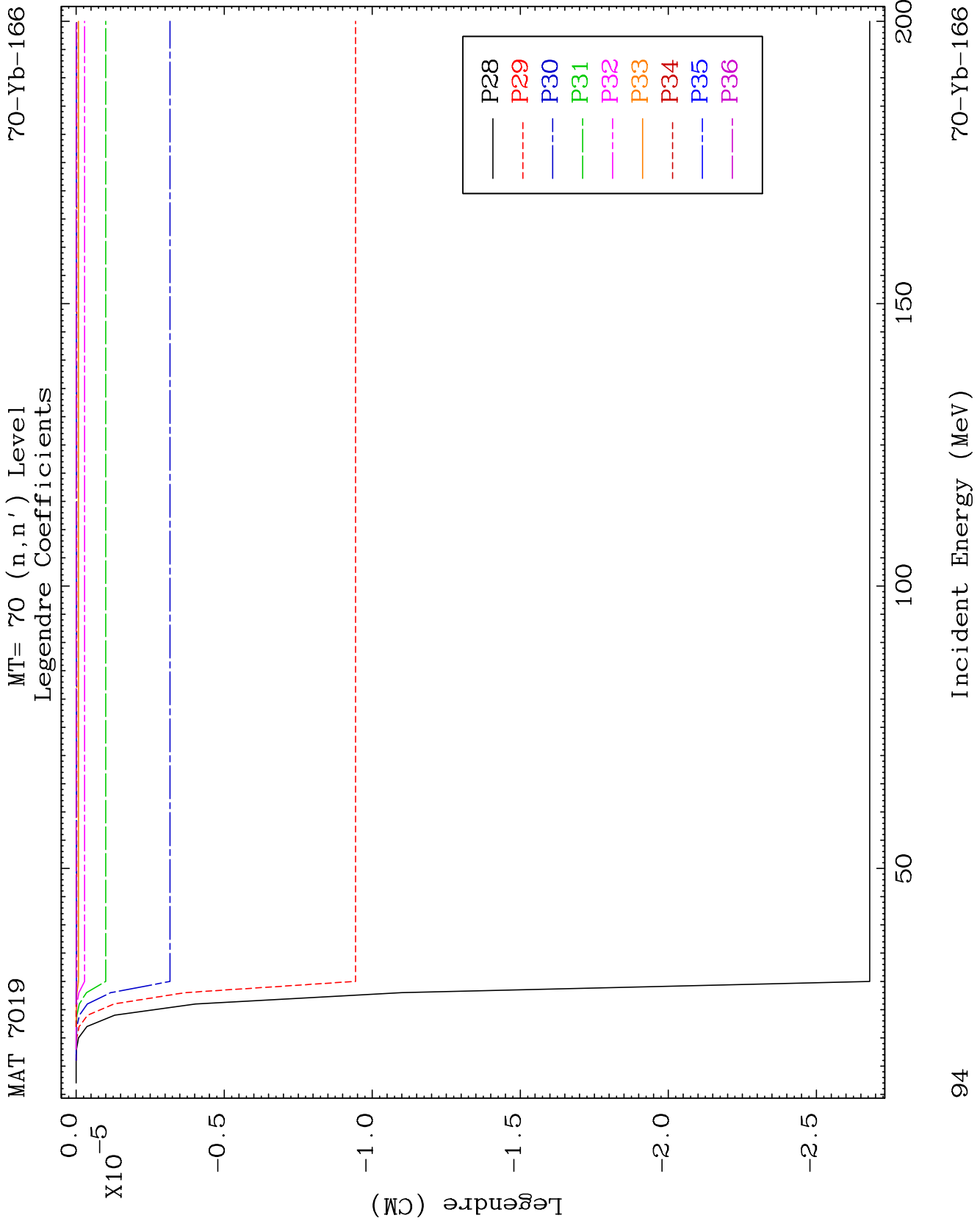
Incident Energy (MeV)

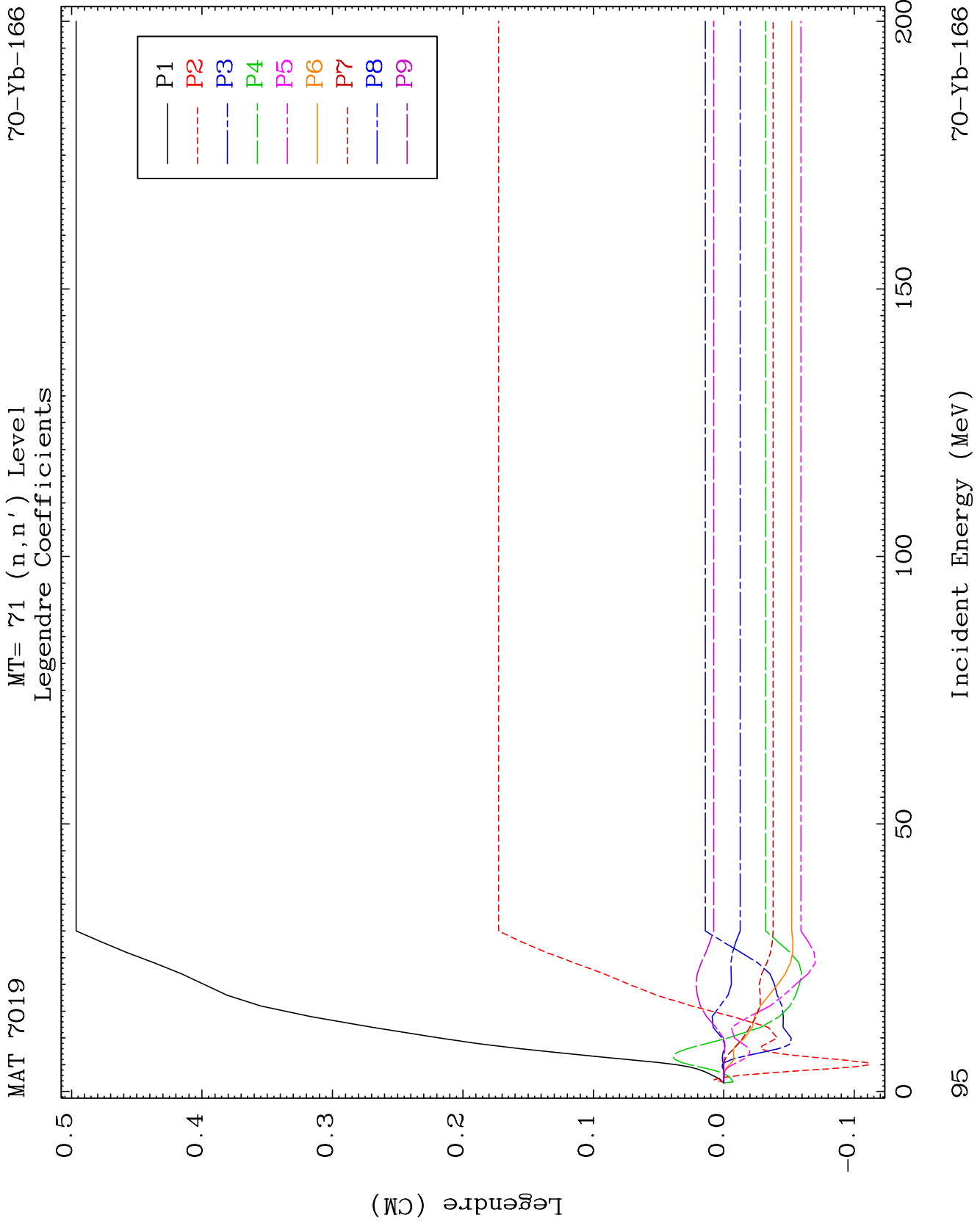
70-Yb-166







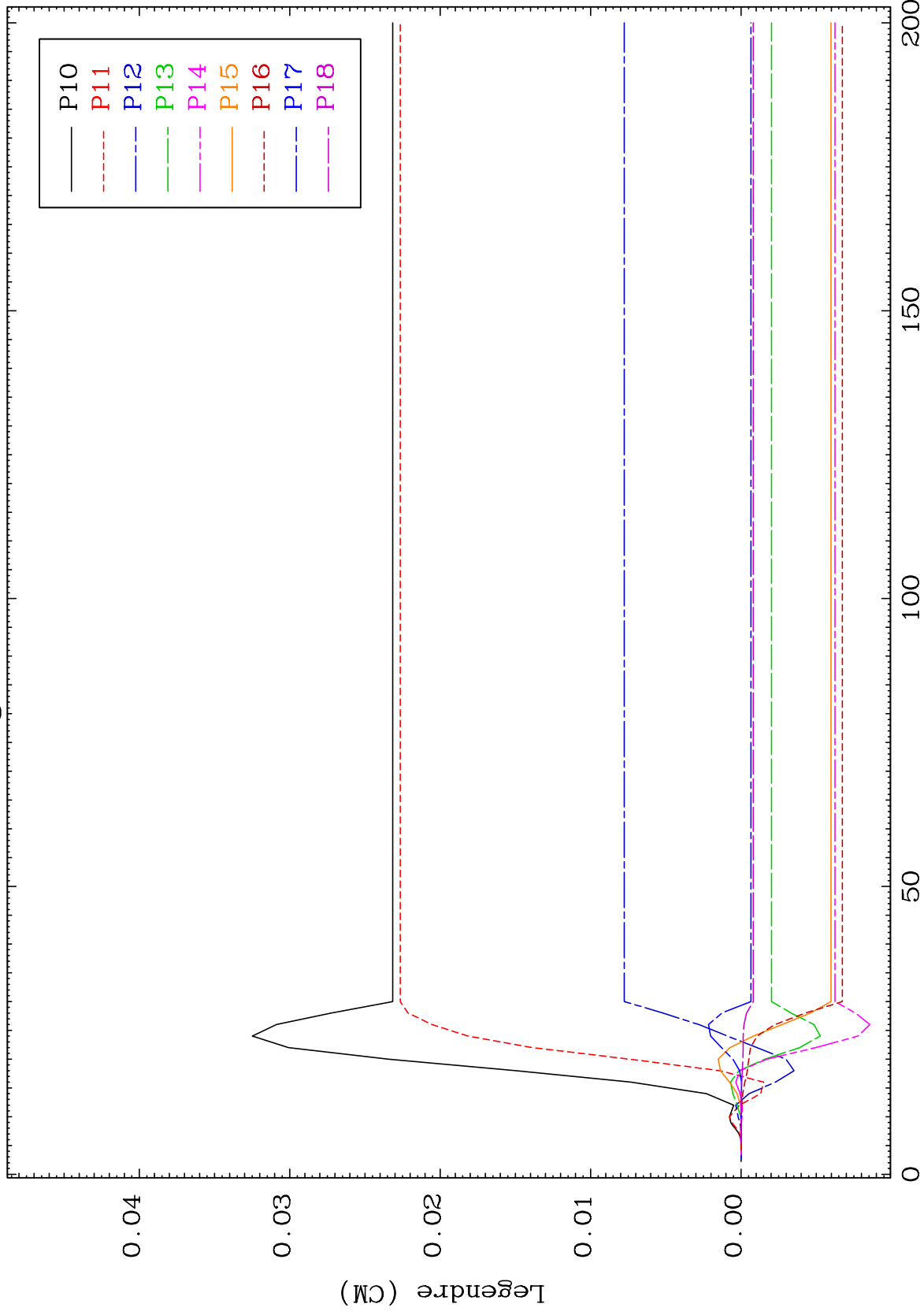




MAT 7019

MT= 71 (n,n') Level
Legendre Coefficients

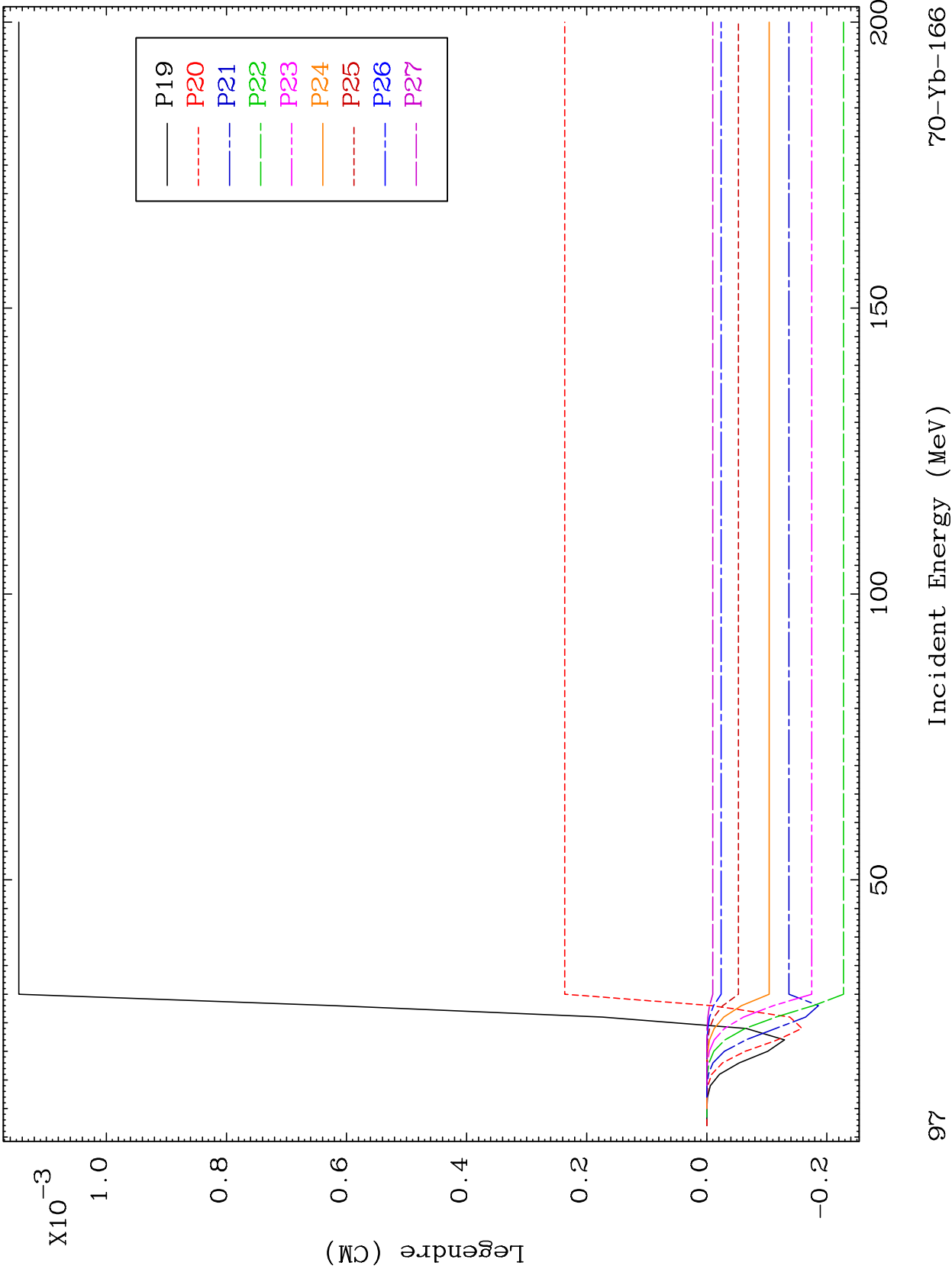
70-Yb-166

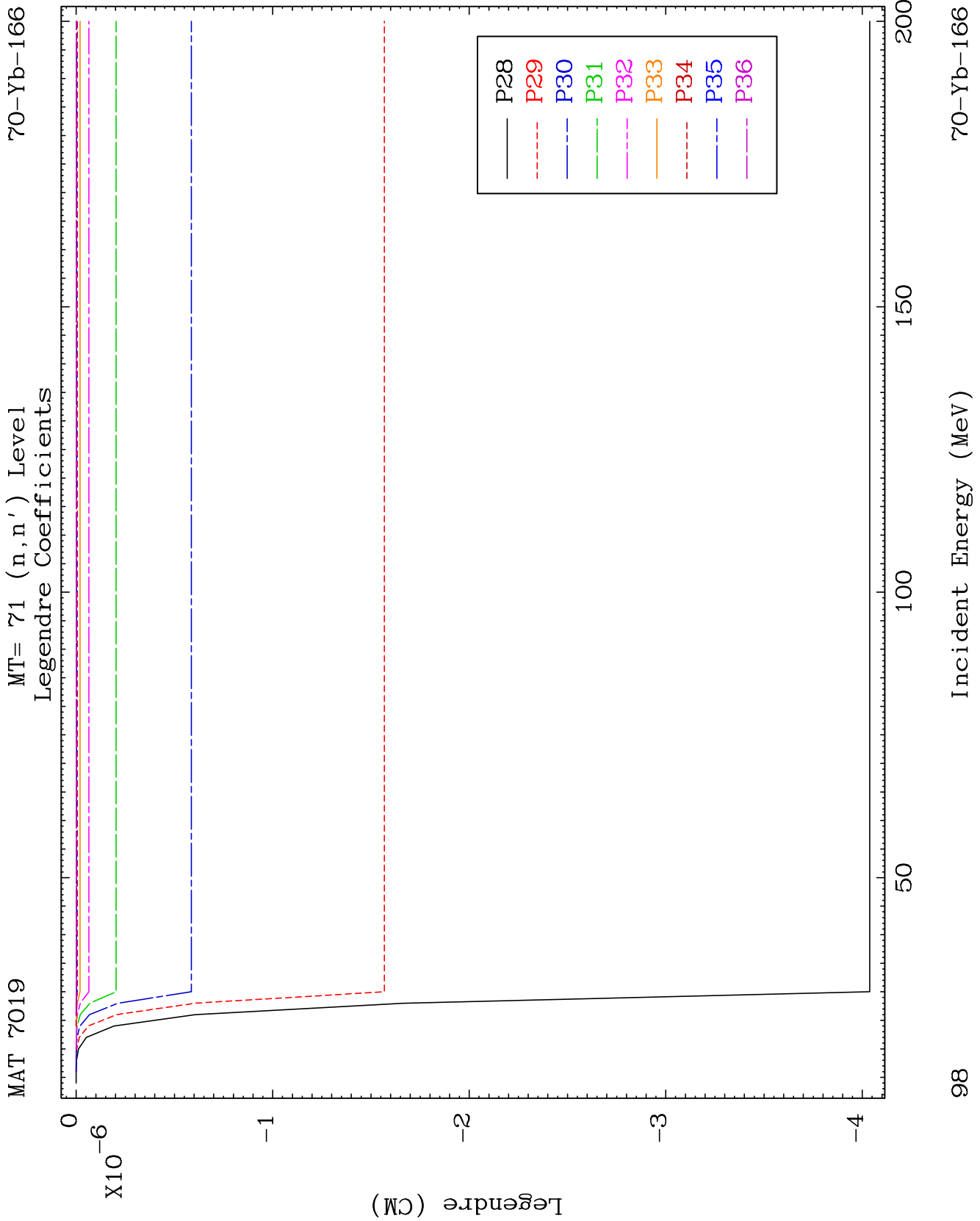


96

Incident Energy (MeV)

70-Yb-166

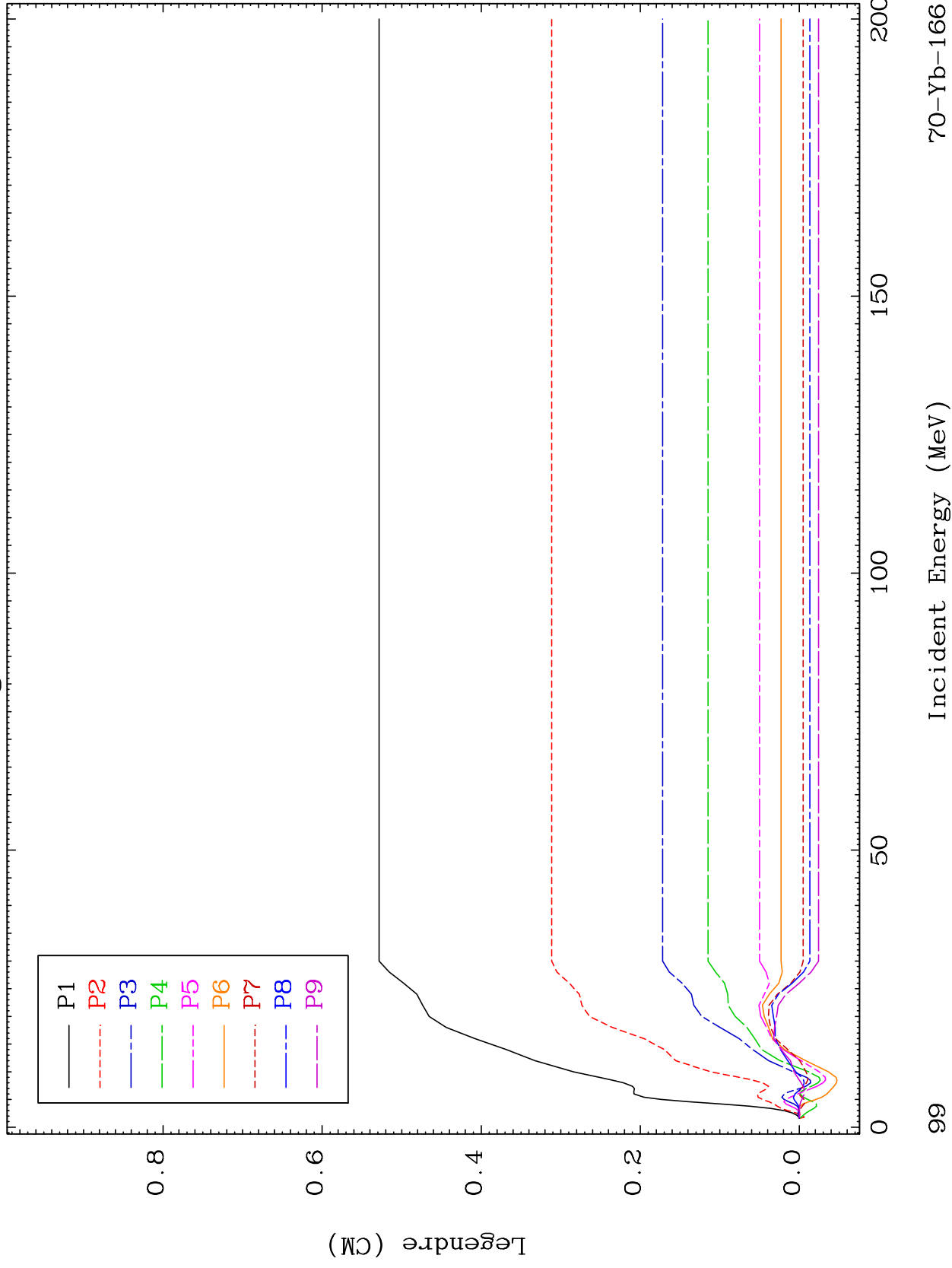




MAT 7019

MT= 72 (n,n') Level
Legendre Coefficients

70-Yb-166



99

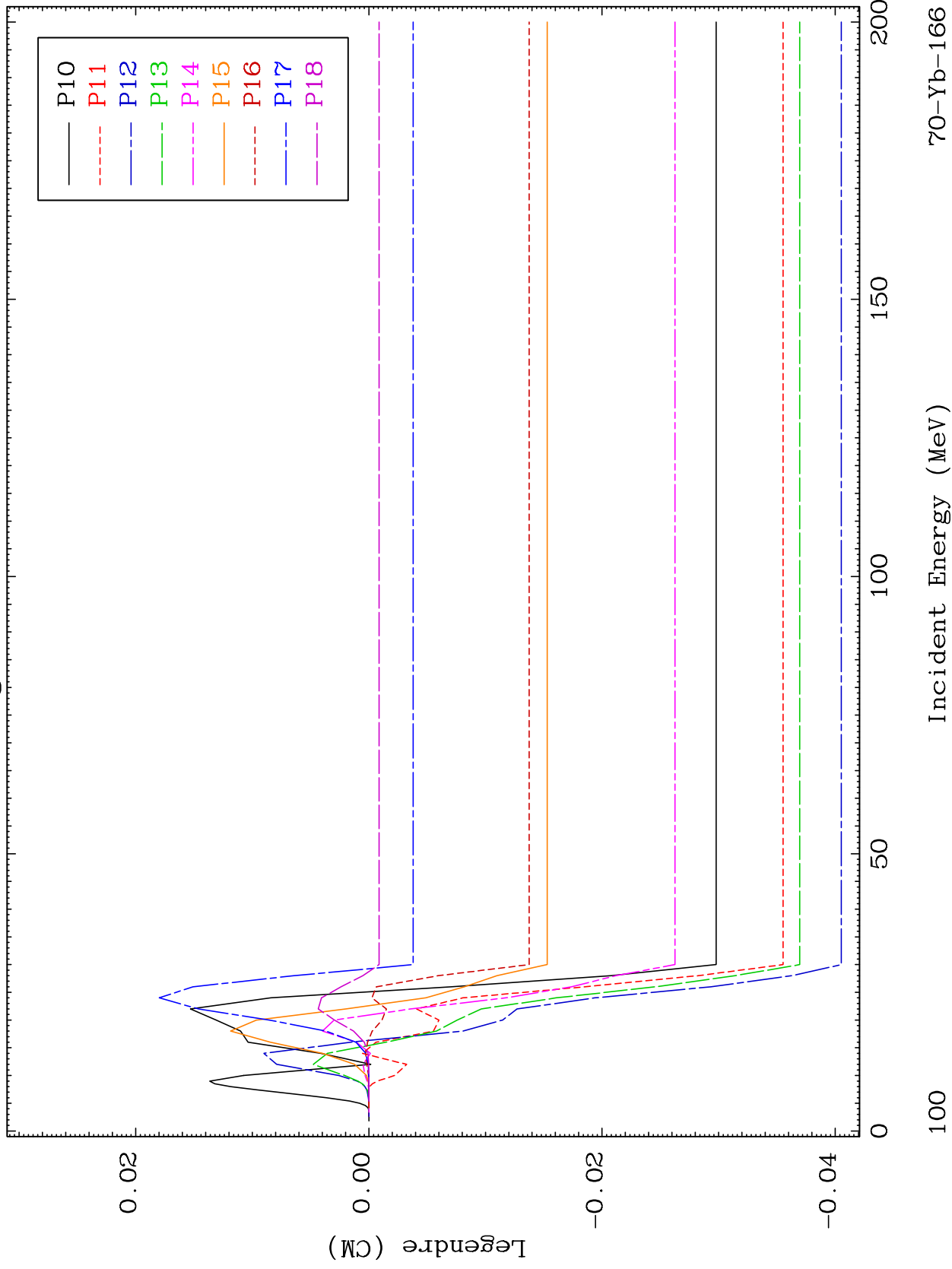
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 72 (n,n') Level
Legendre Coefficients

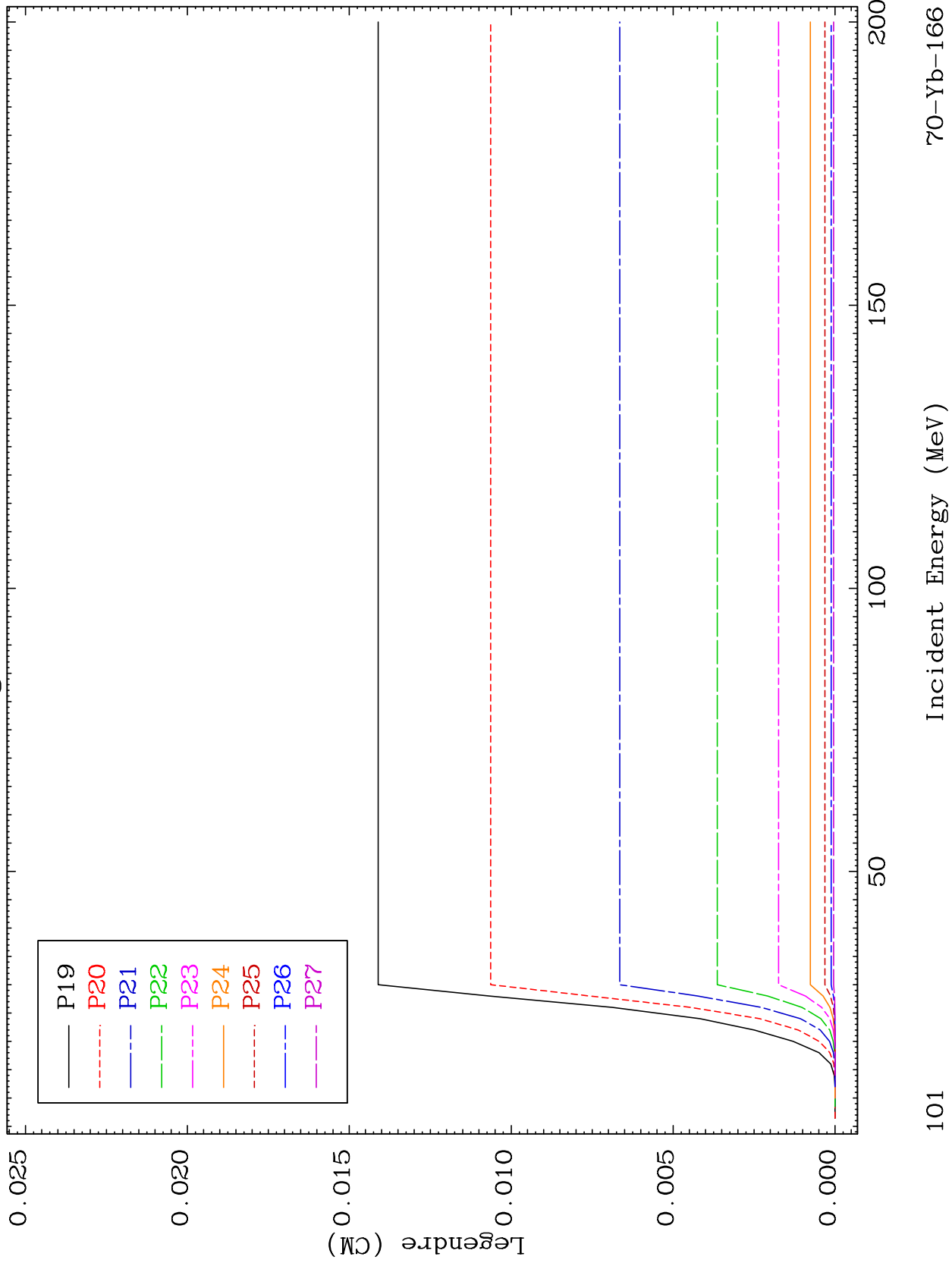
70-Yb-166



MAT 7019

MT= 72 (n,n') Level
Legendre Coefficients

70-Yb-166



101

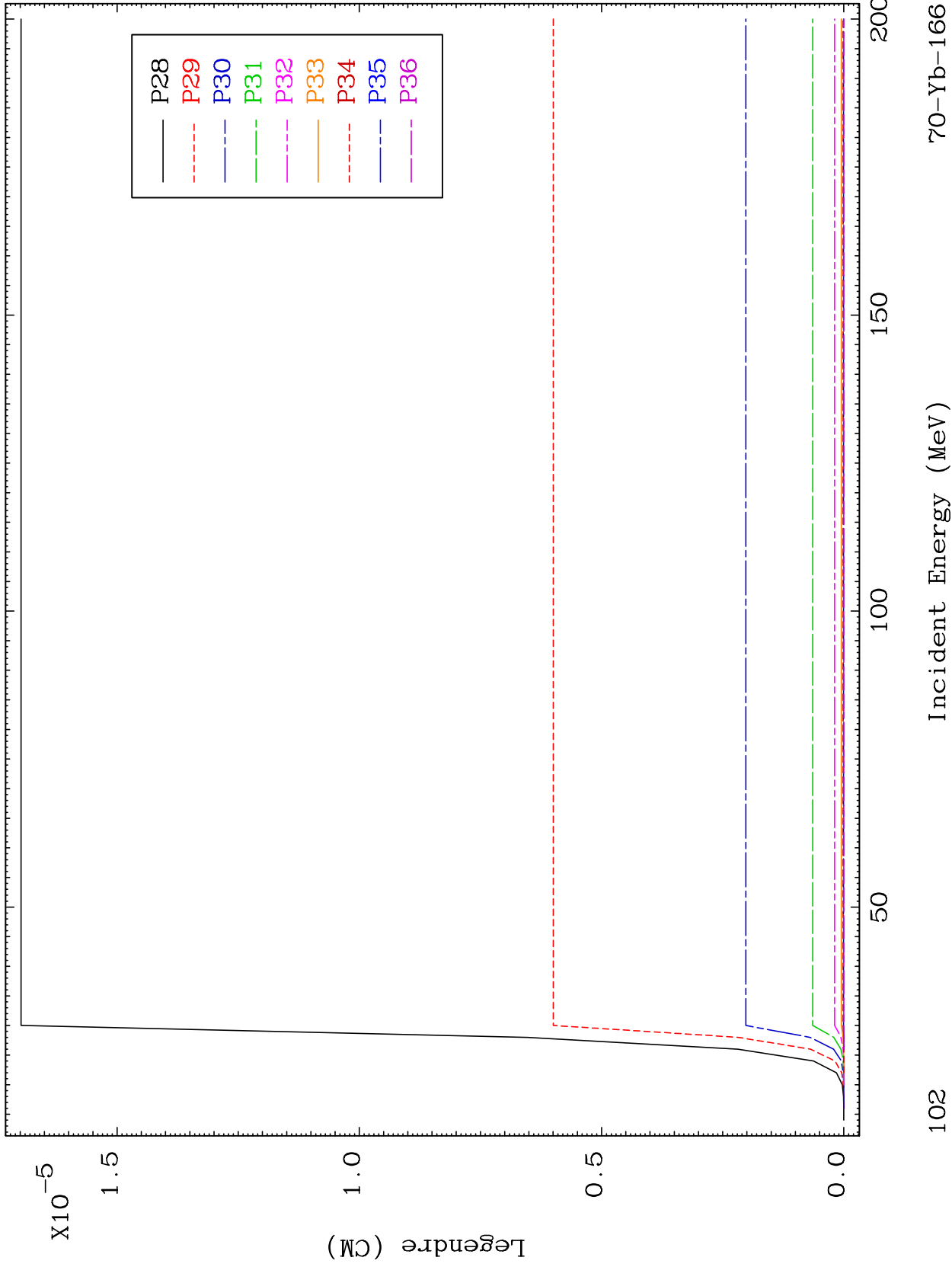
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 72 (n,n') Level
Legendre Coefficients

70-Yb-166

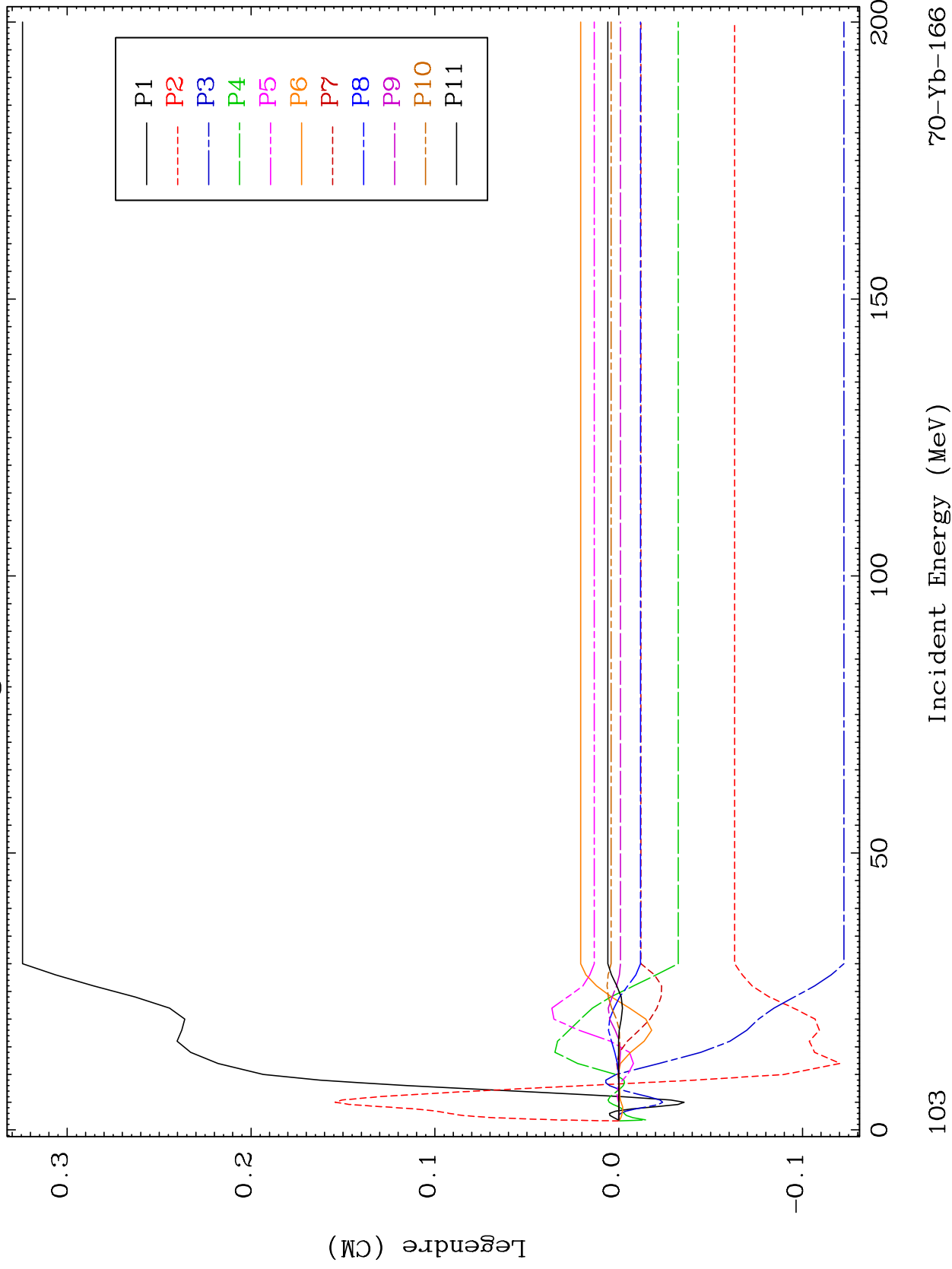


102

MAT 7019

MT= 73 (n,n') Level
Legendre Coefficients

70-Yb-166

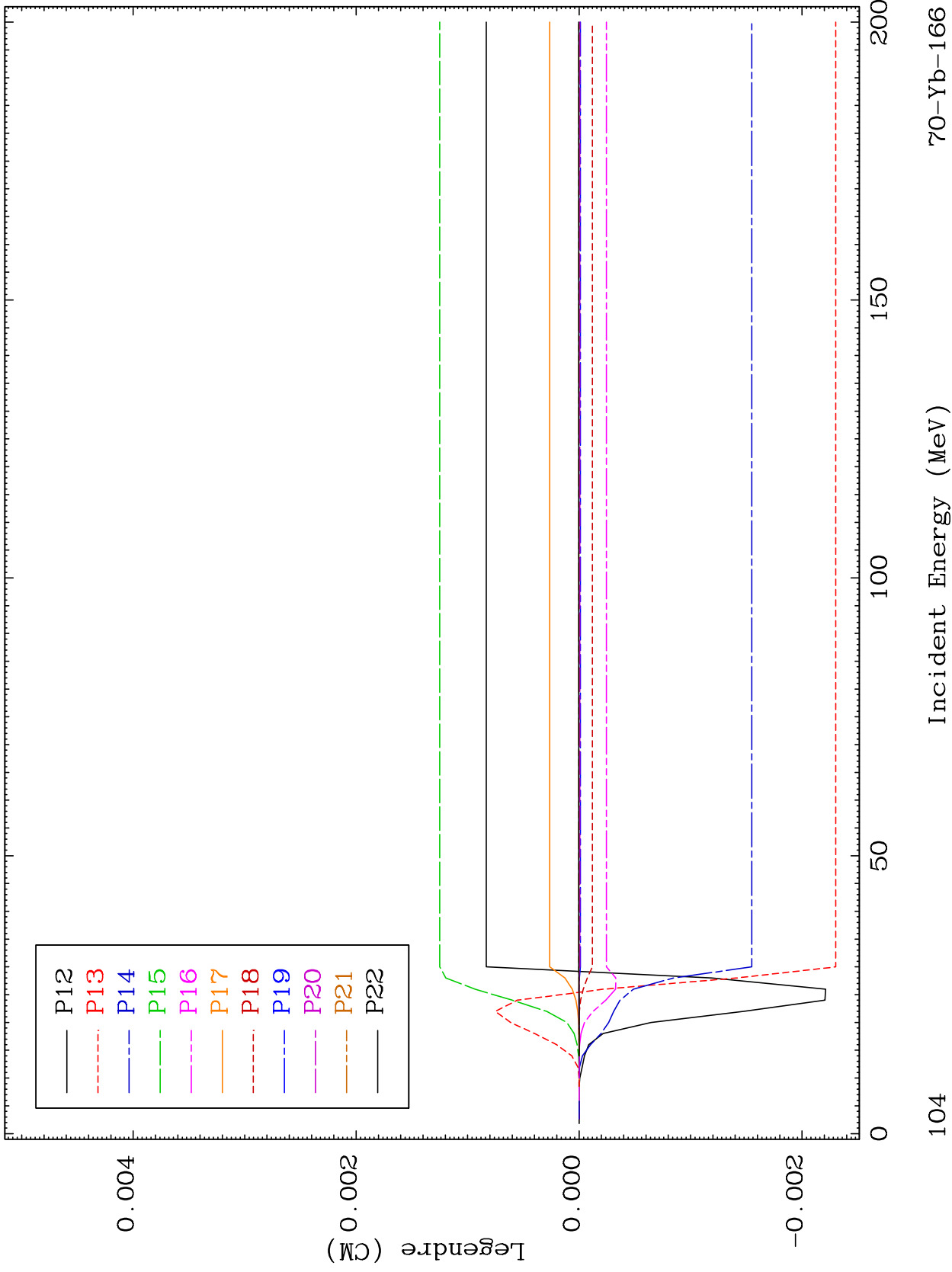


103

MAT 7019

MT= 73 (n,n') Level
Legendre Coefficients

70-Yb-166



104

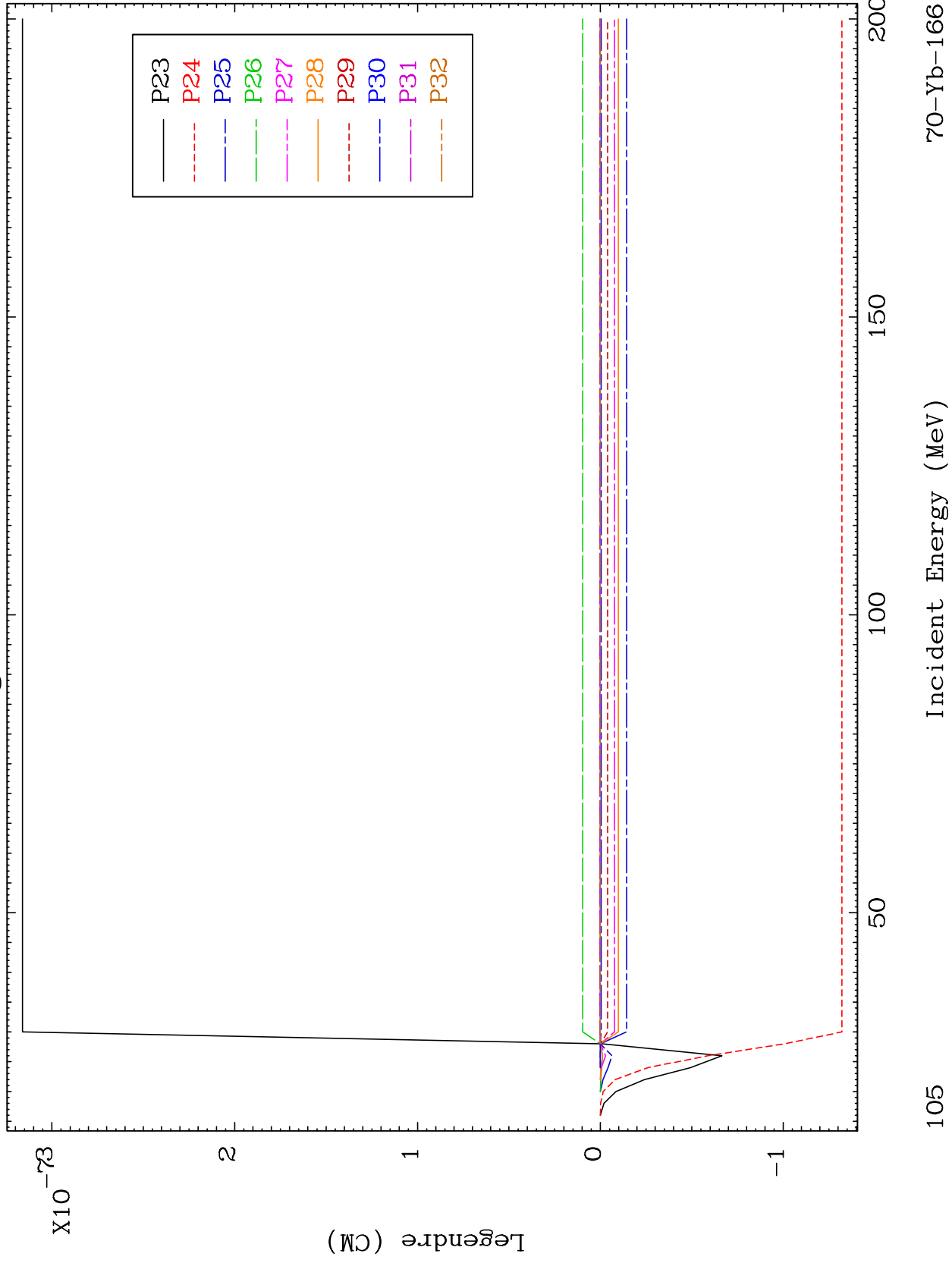
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 73 (n,n') Level
Legendre Coefficients

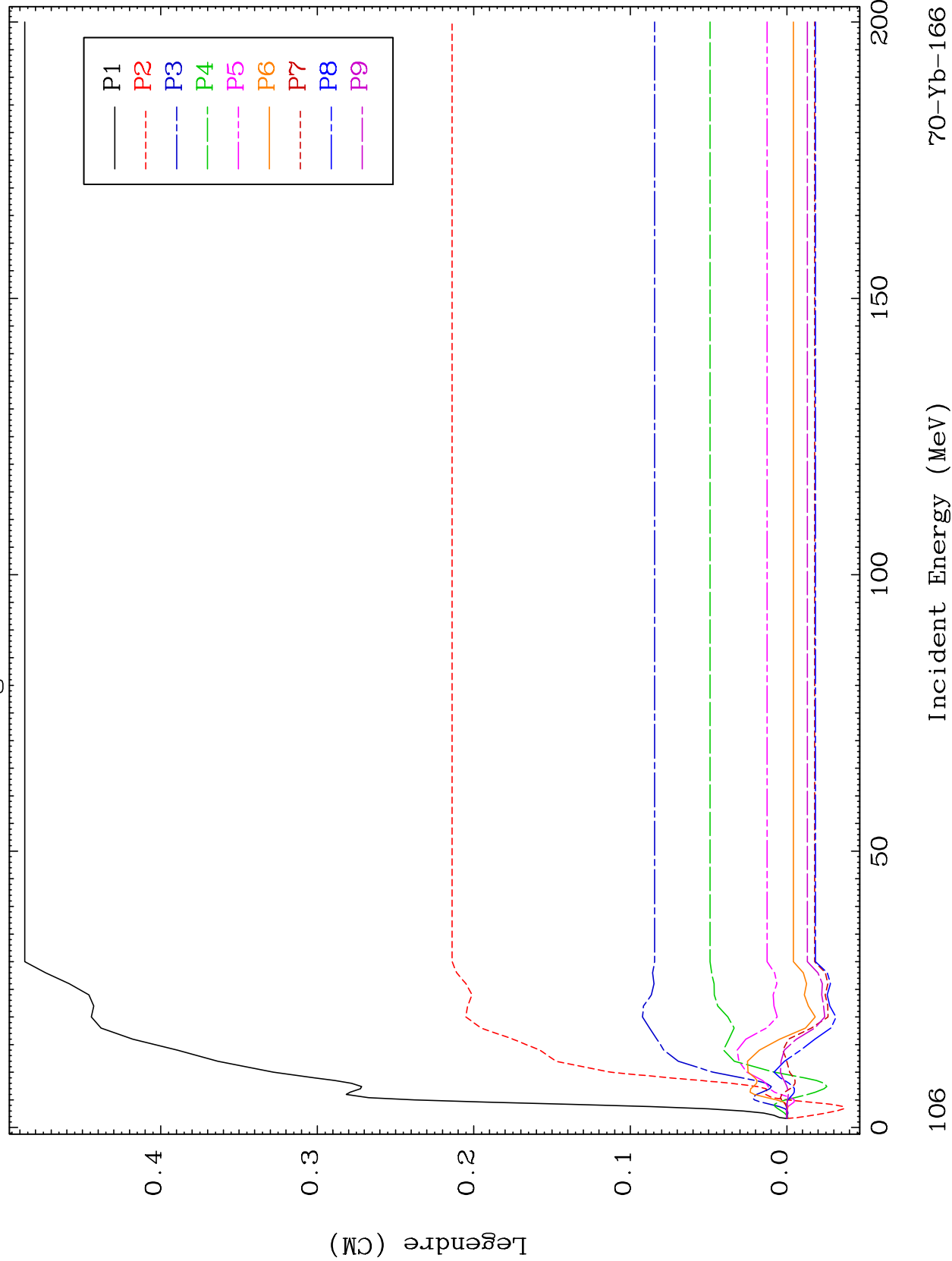
70-Yb-166



MAT 7019

MT= 74 (n,n') Level
Legendre Coefficients

70-Yb-166



70-Yb-166

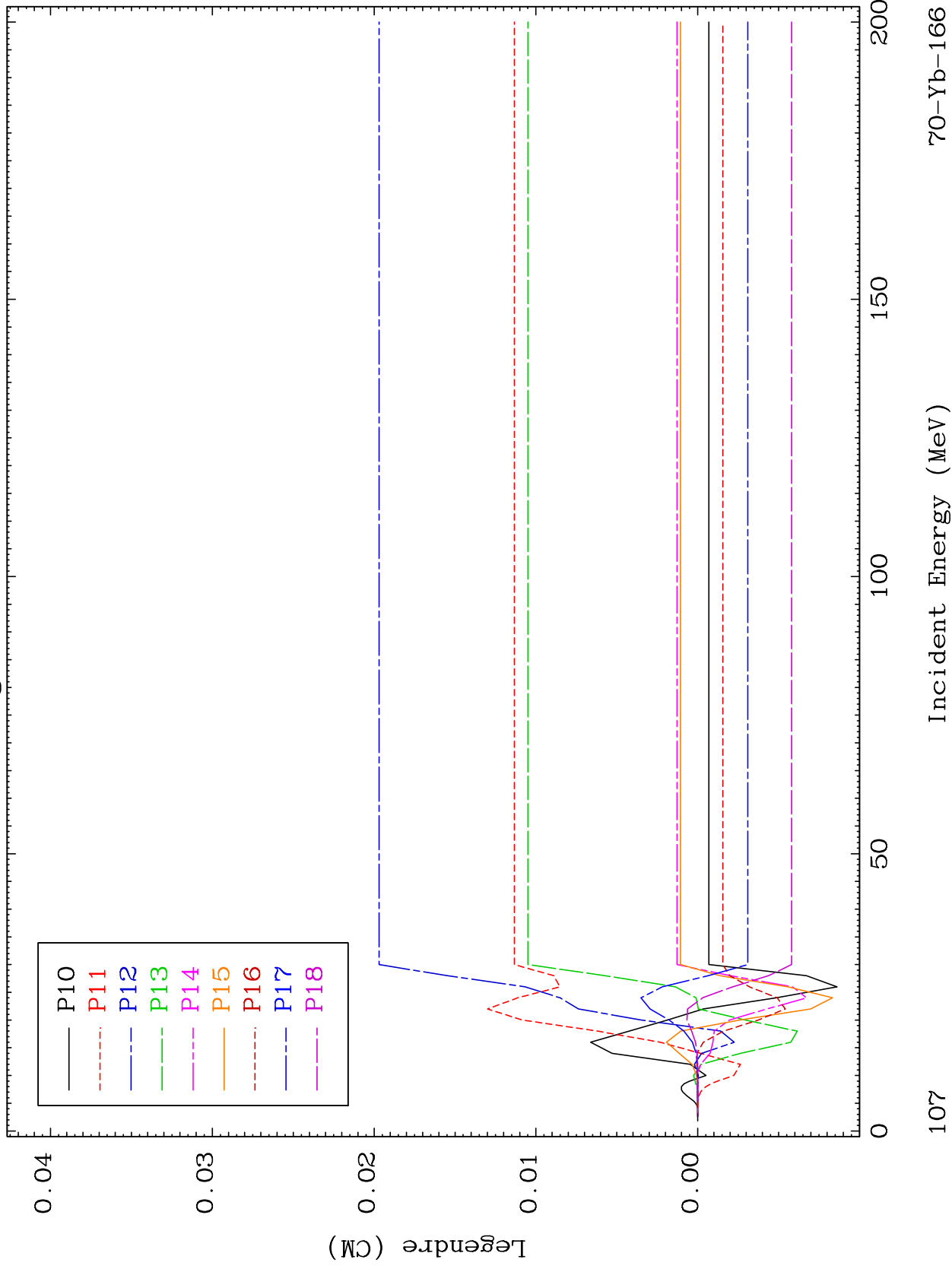
Incident Energy (MeV)

106

MAT 7019

MT= 74 (n,n') Level
Legendre Coefficients

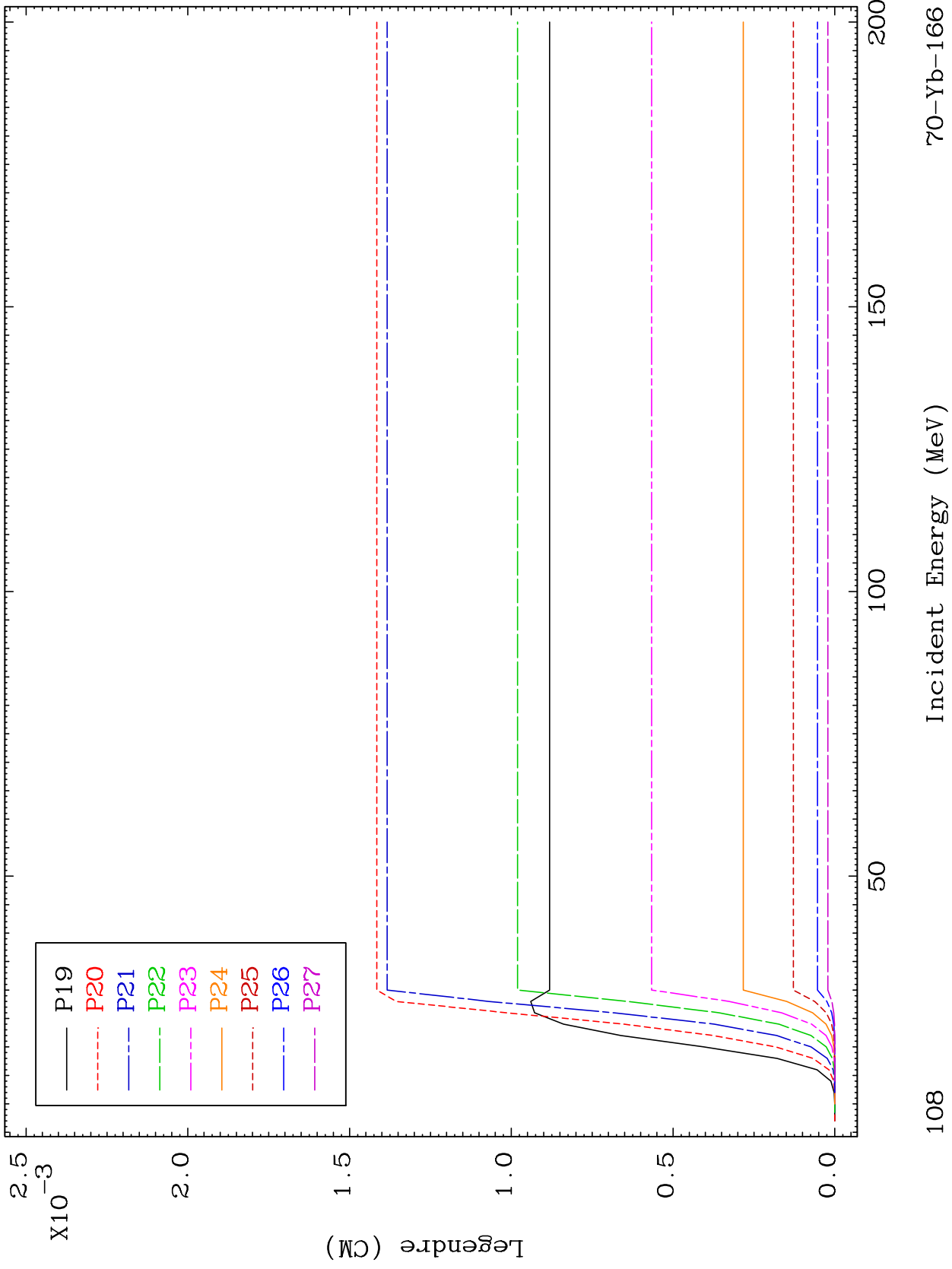
70-Yb-166



MAT 7019

MT= 74 (n,n') Level
Legendre Coefficients

70-Yb-166



108

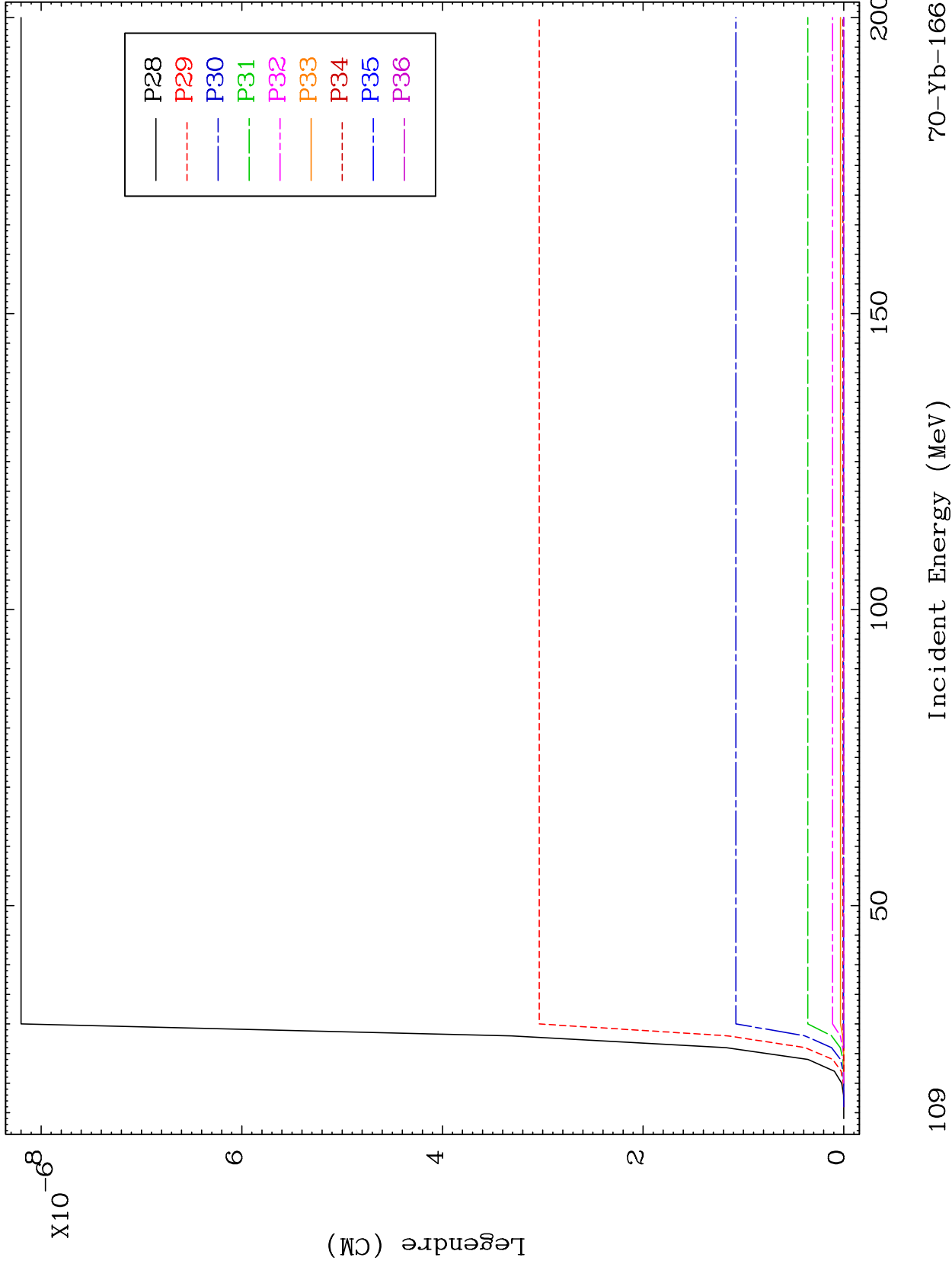
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 74 (n,n') Level
Legendre Coefficients

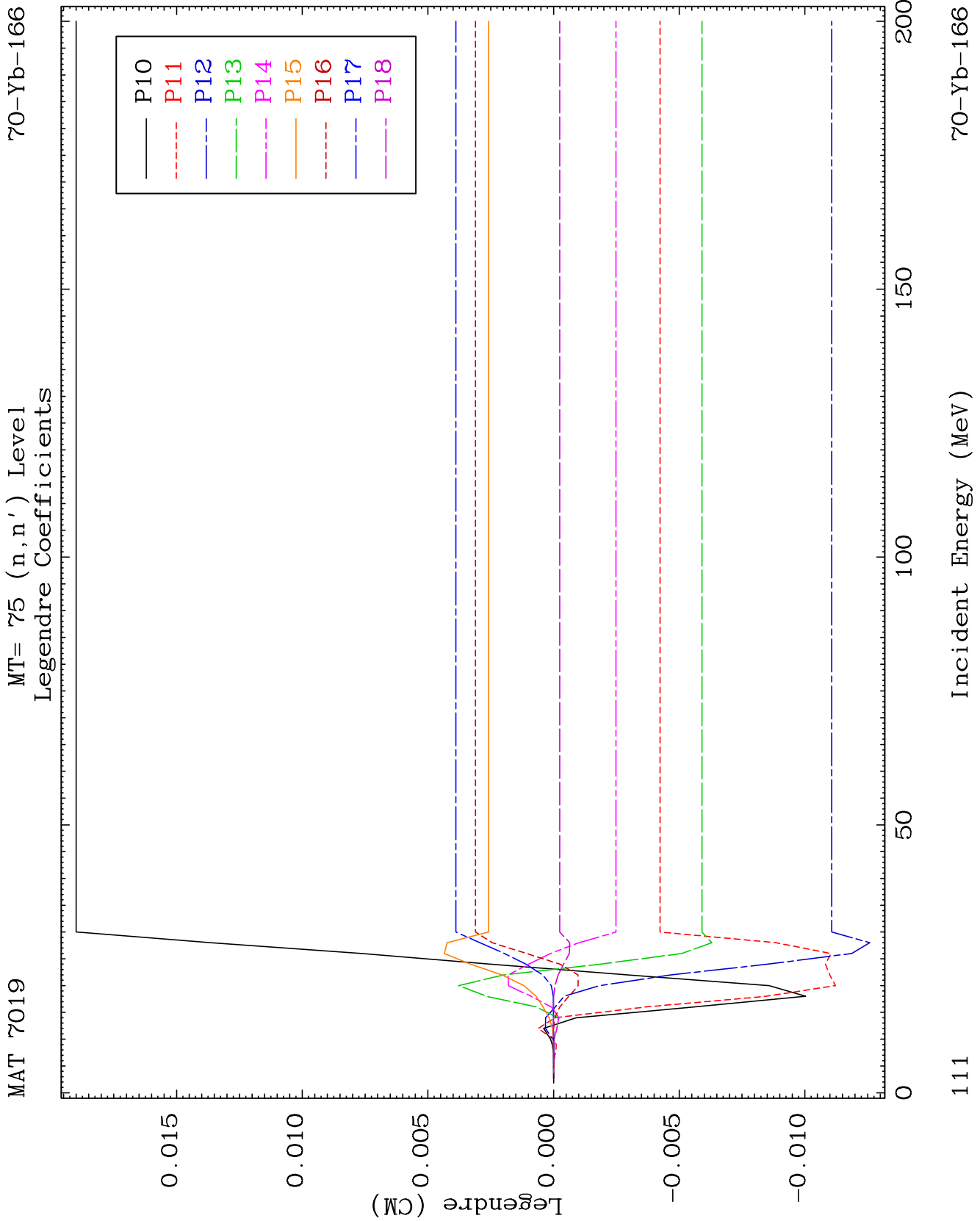
70-Yb-166



109

Incident Energy (MeV)

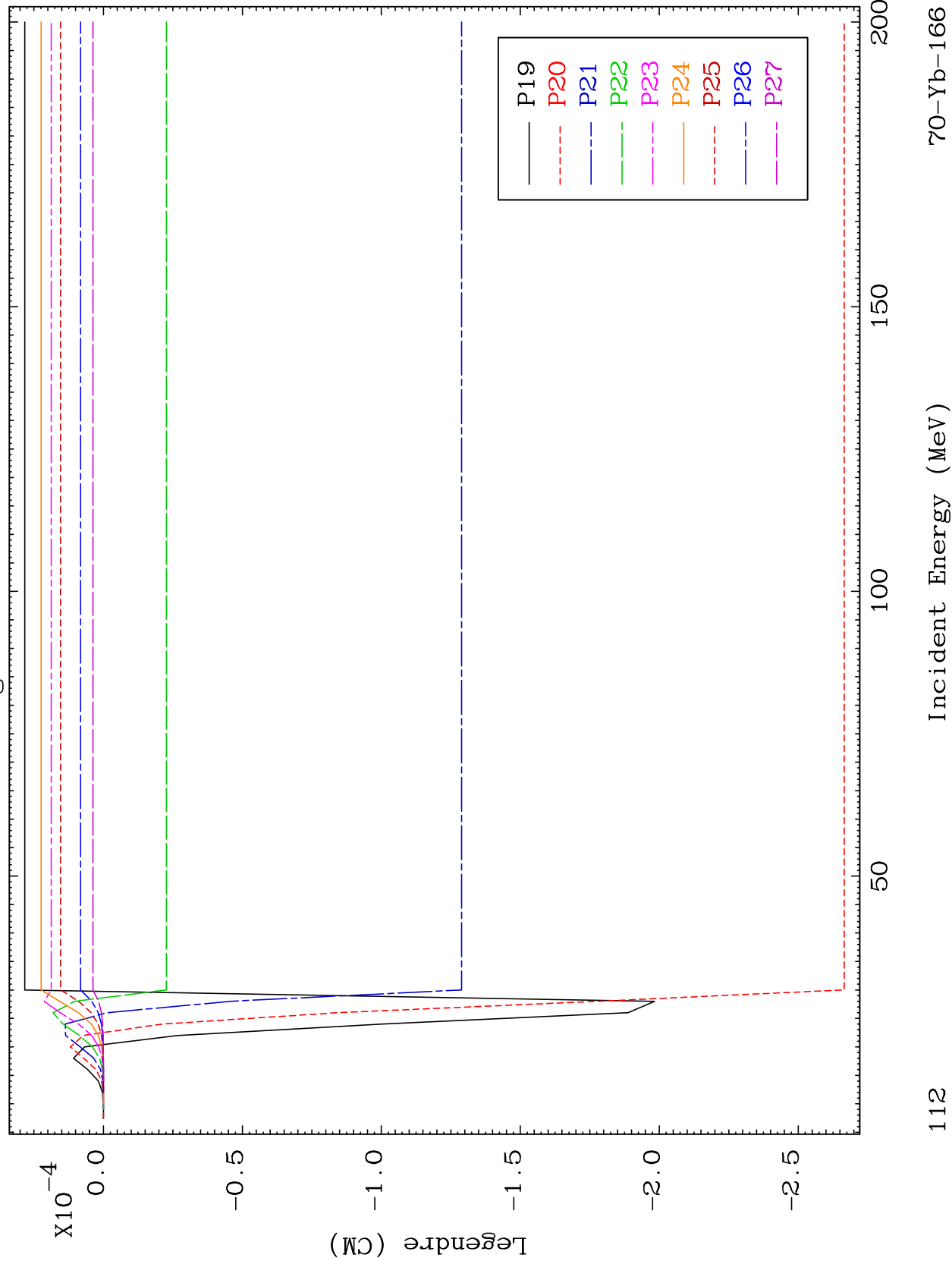
70-Yb-166



MAT 7019

MT= 75 (n,n') Level
Legendre Coefficients

70-Yb-166



112

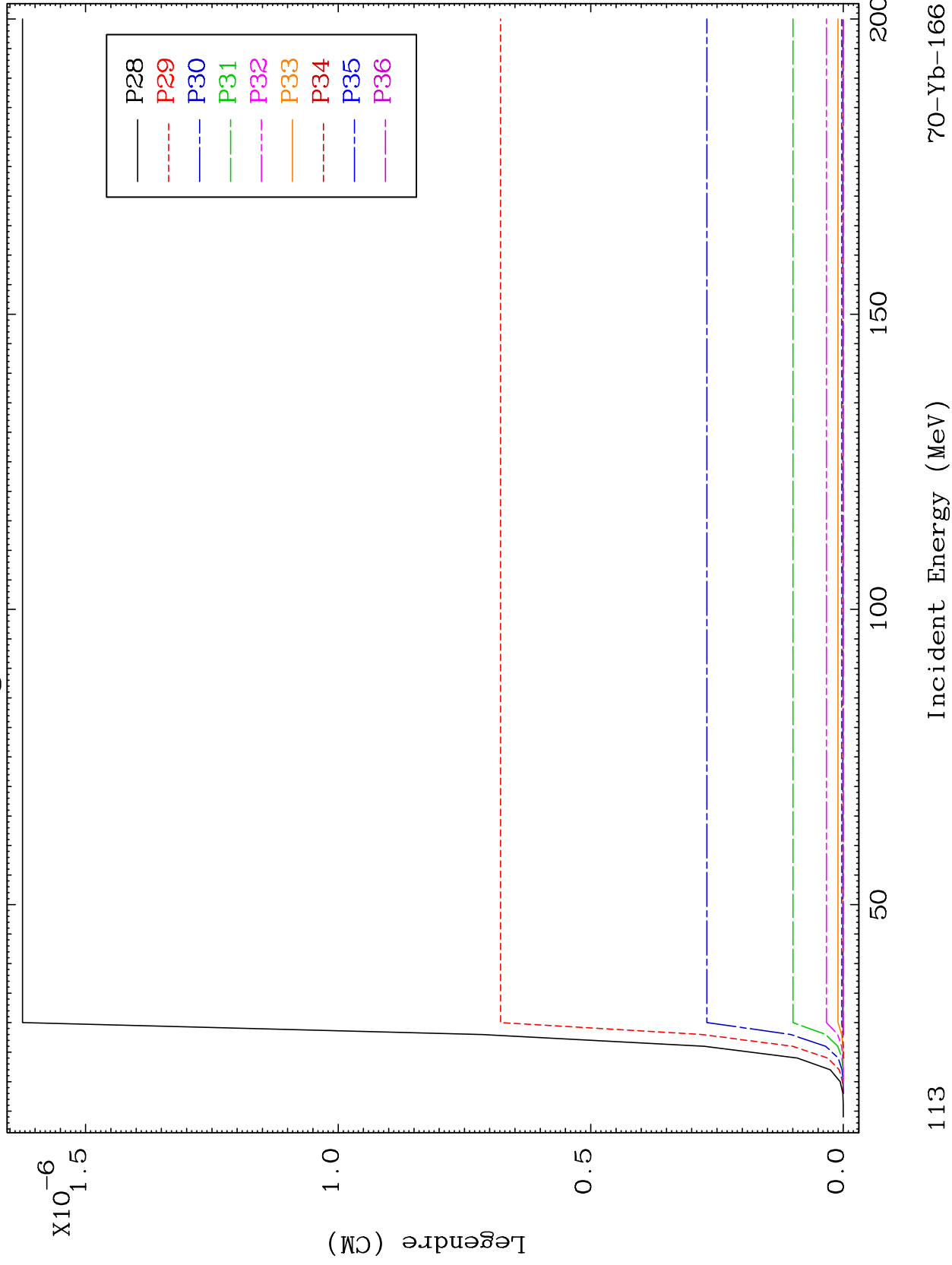
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 75 (n,n') Level
Legendre Coefficients

70-Yb-166

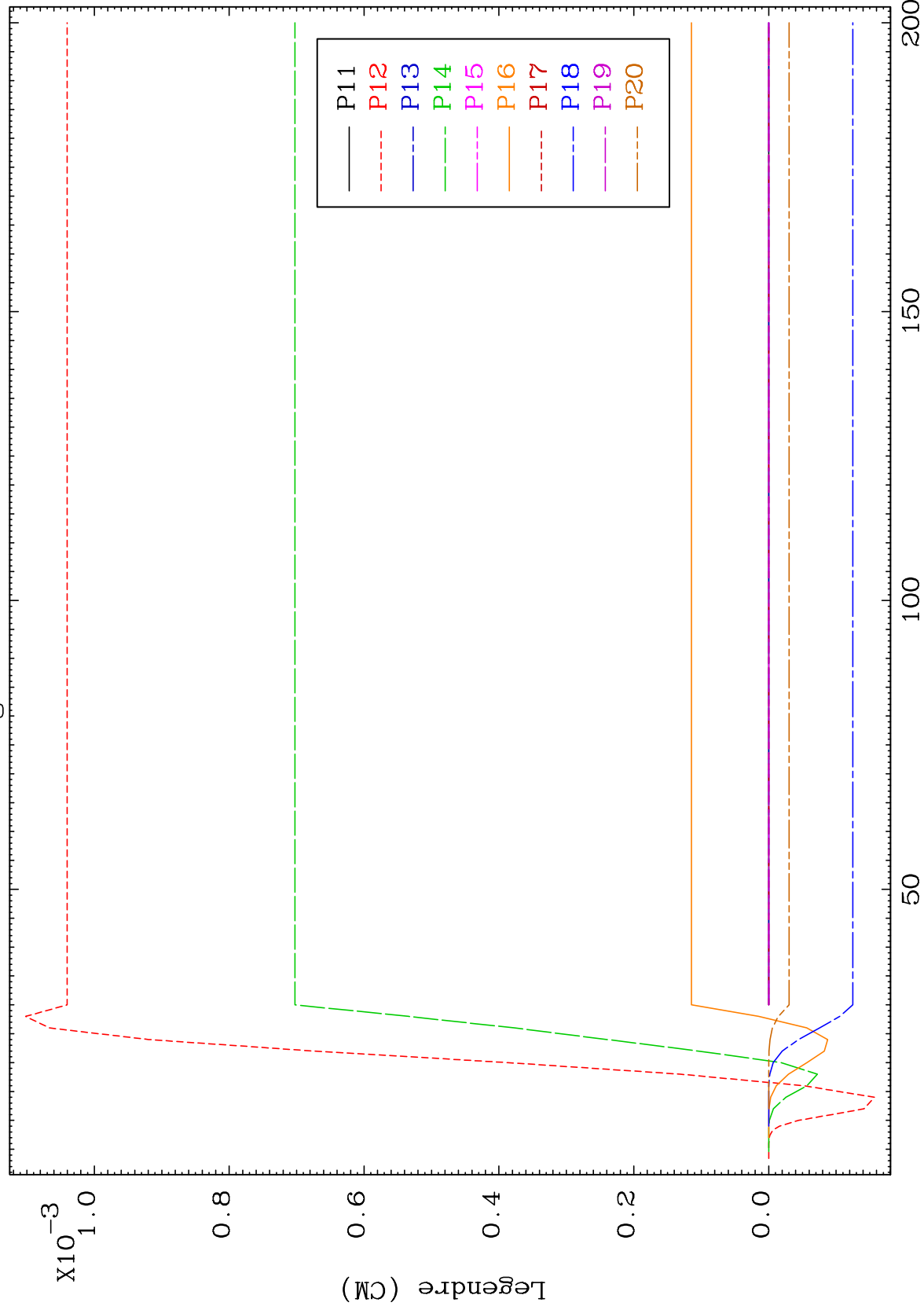


113

MAT 7019

MT= 76 (n,n') Level
Legendre Coefficients

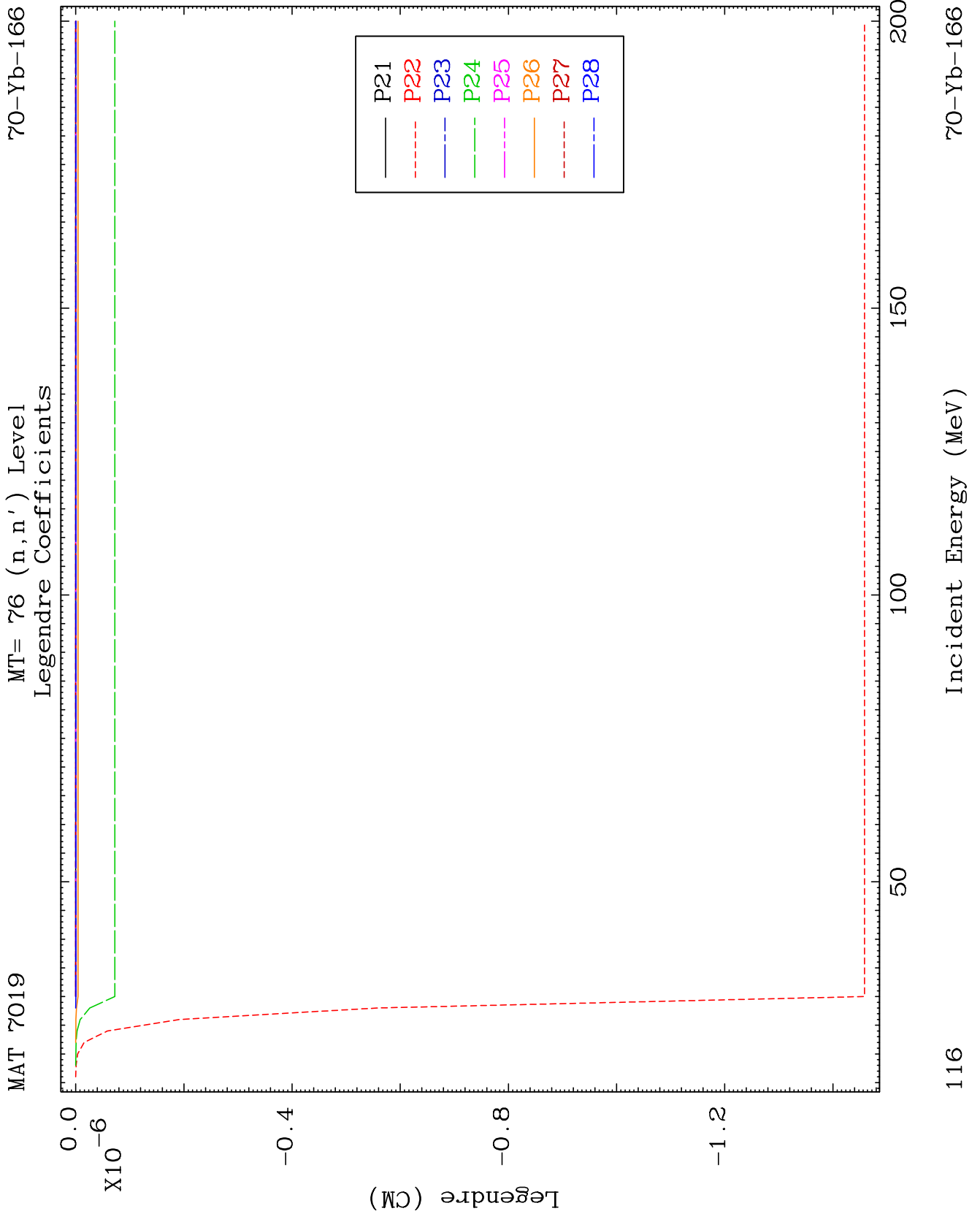
70-Yb-166



115

Incident Energy (MeV)

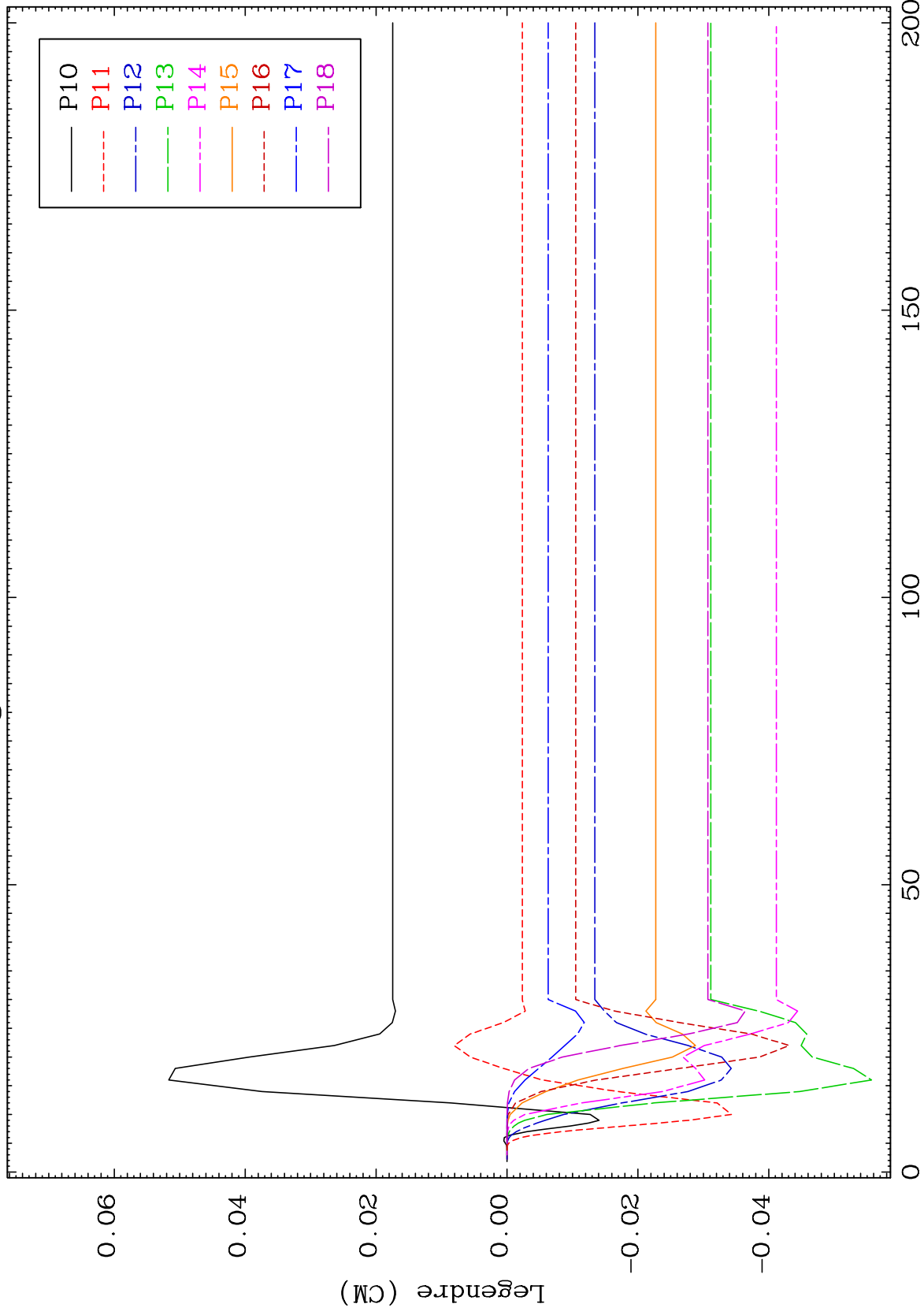
70-Yb-166



MAT 7019

MT= 77 (n,n') Level
Legendre Coefficients

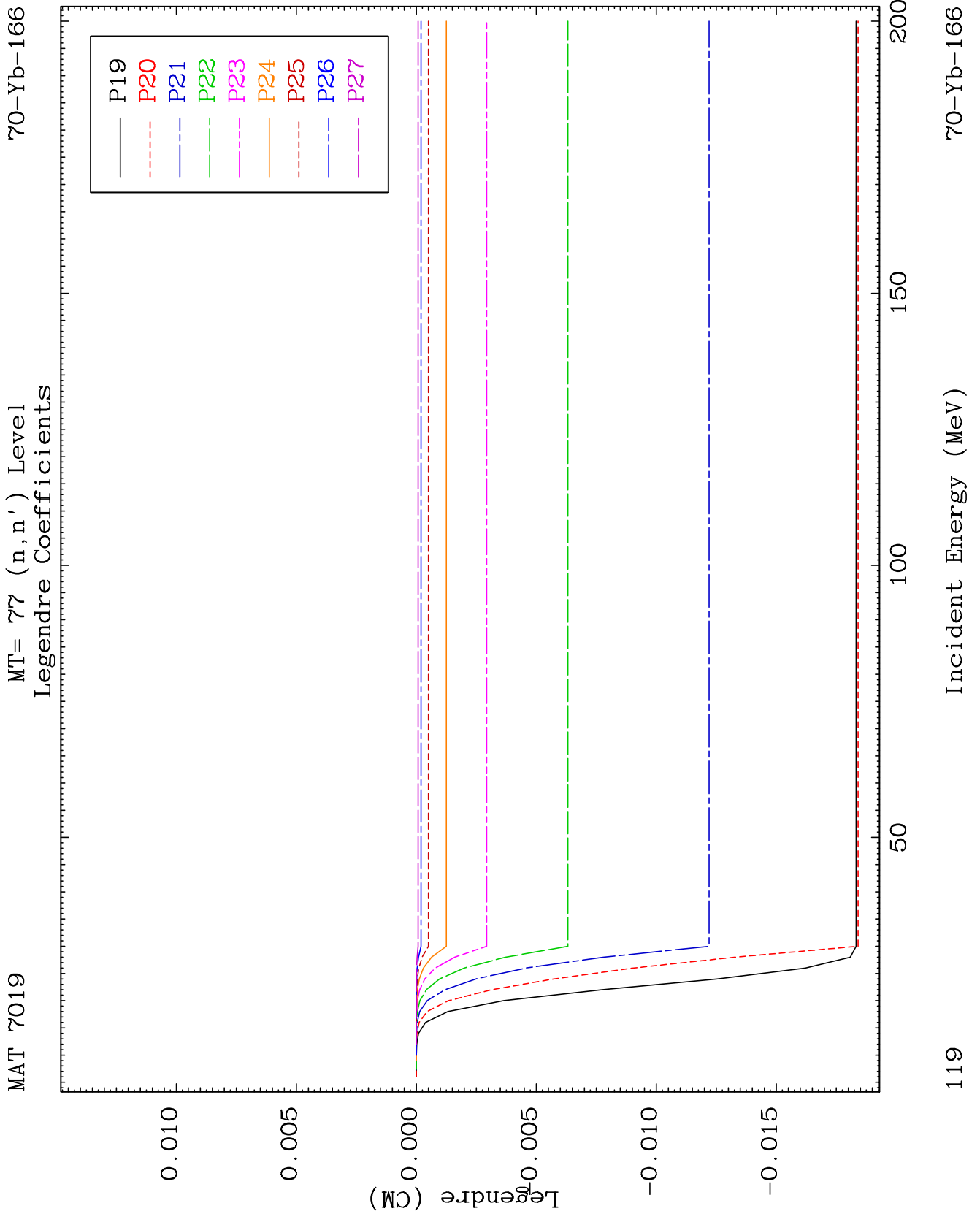
70-Yb-166

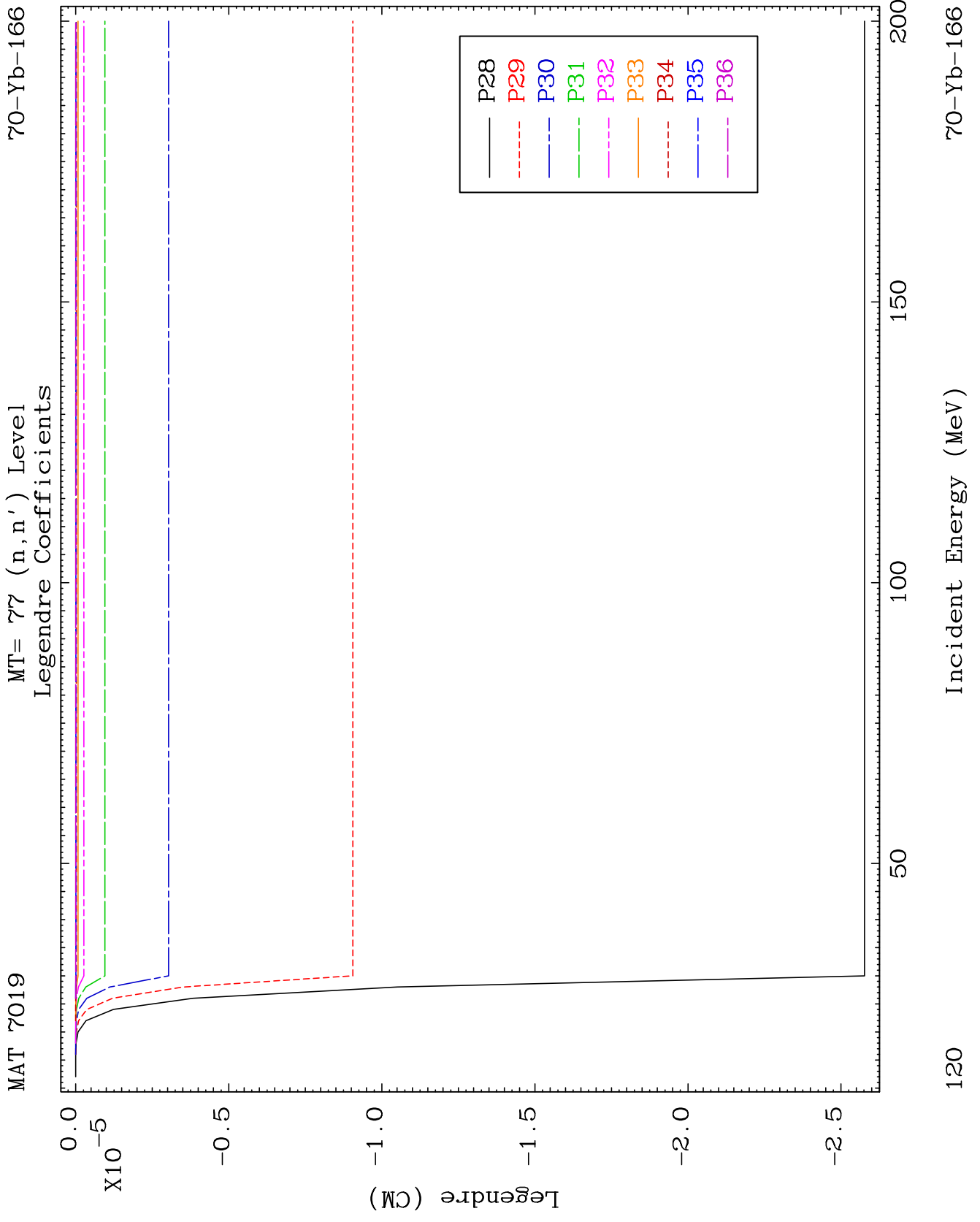


118

Incident Energy (MeV)

70-Yb-166

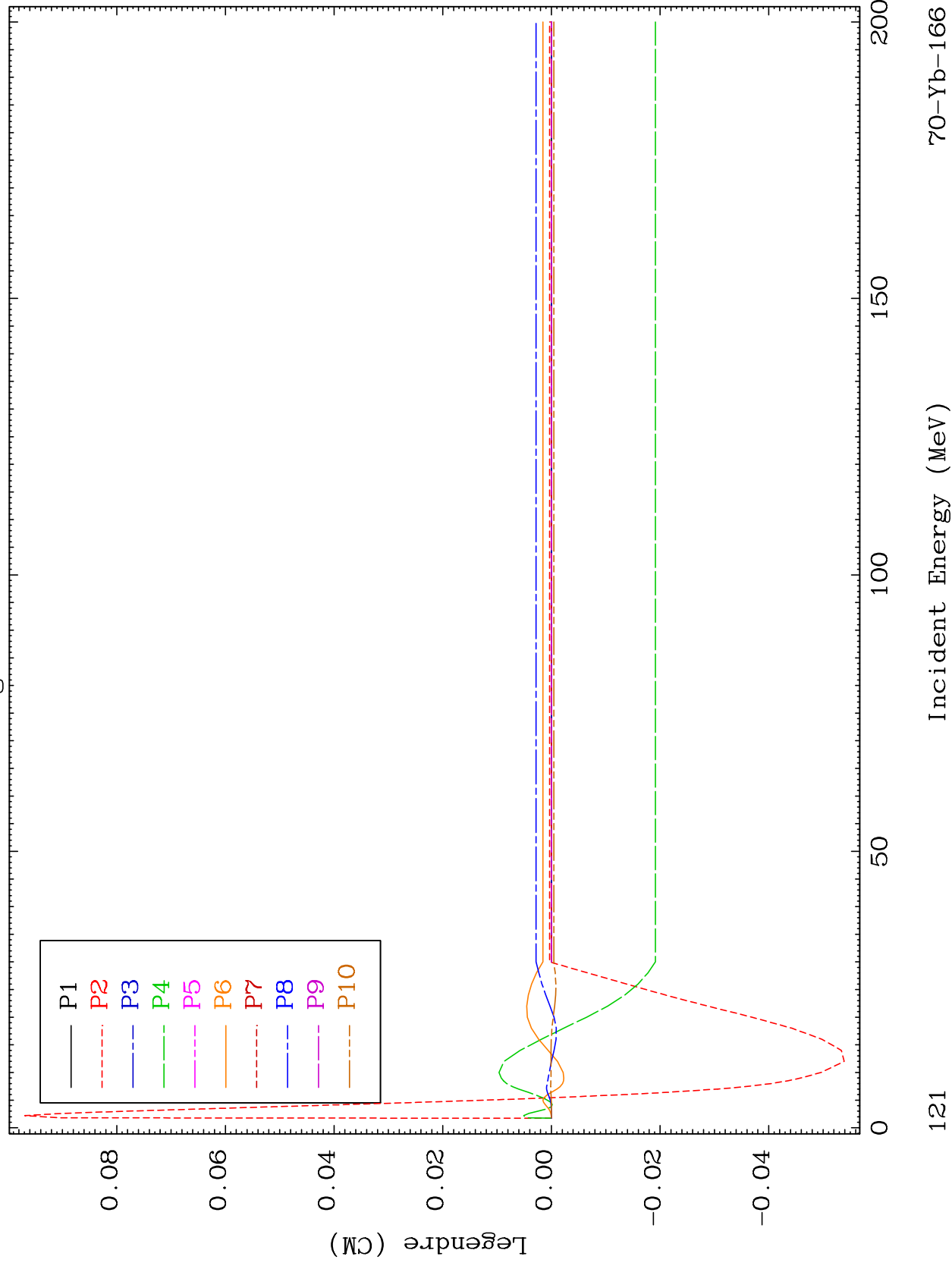




MAT 7019

MT= 78 (n,n') Level
Legendre Coefficients

70-Yb-166



121

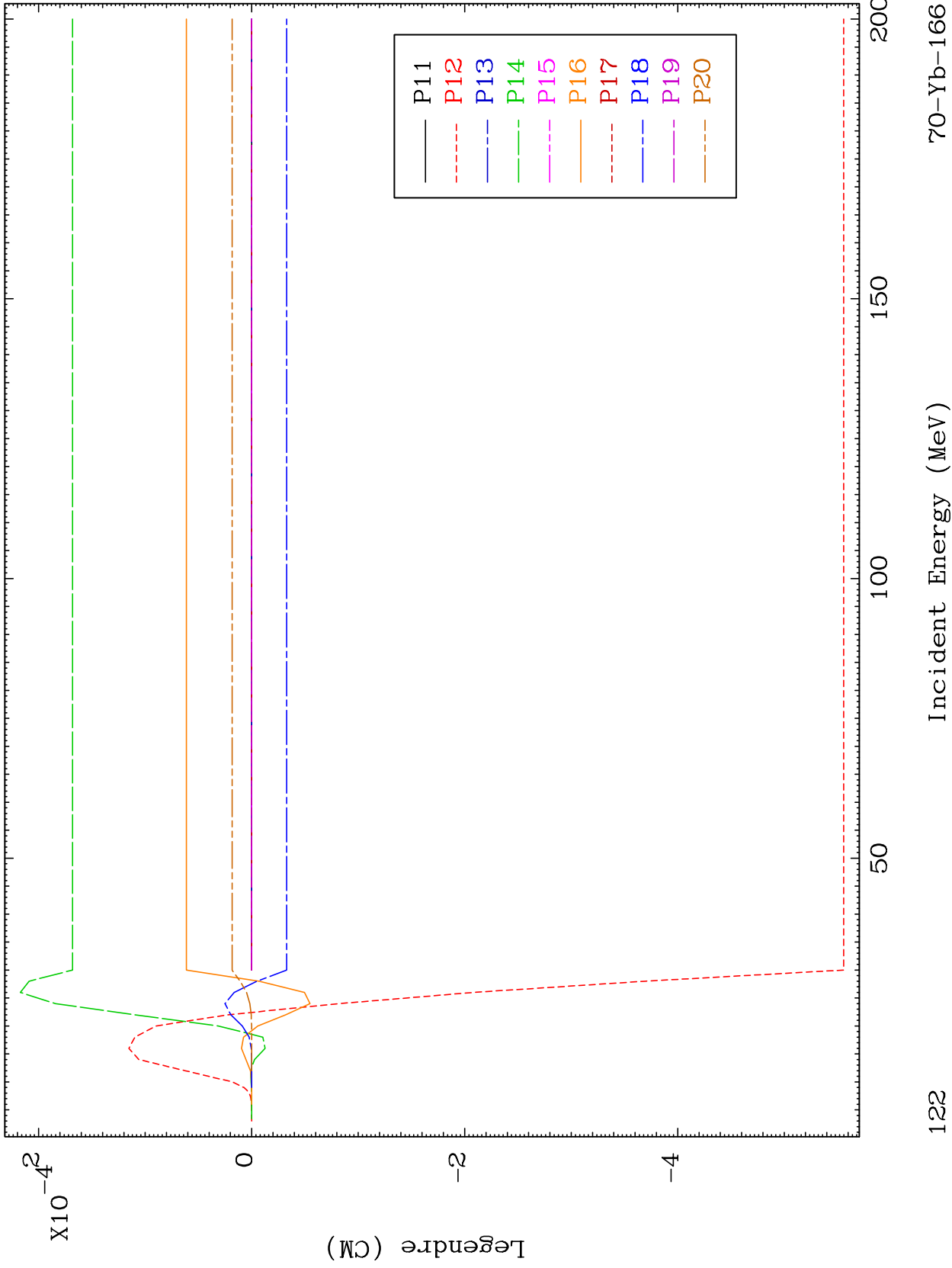
Incident Energy (MeV)

70-Yb-166

MAT 7019

MT= 78 (n,n') Level
Legendre Coefficients

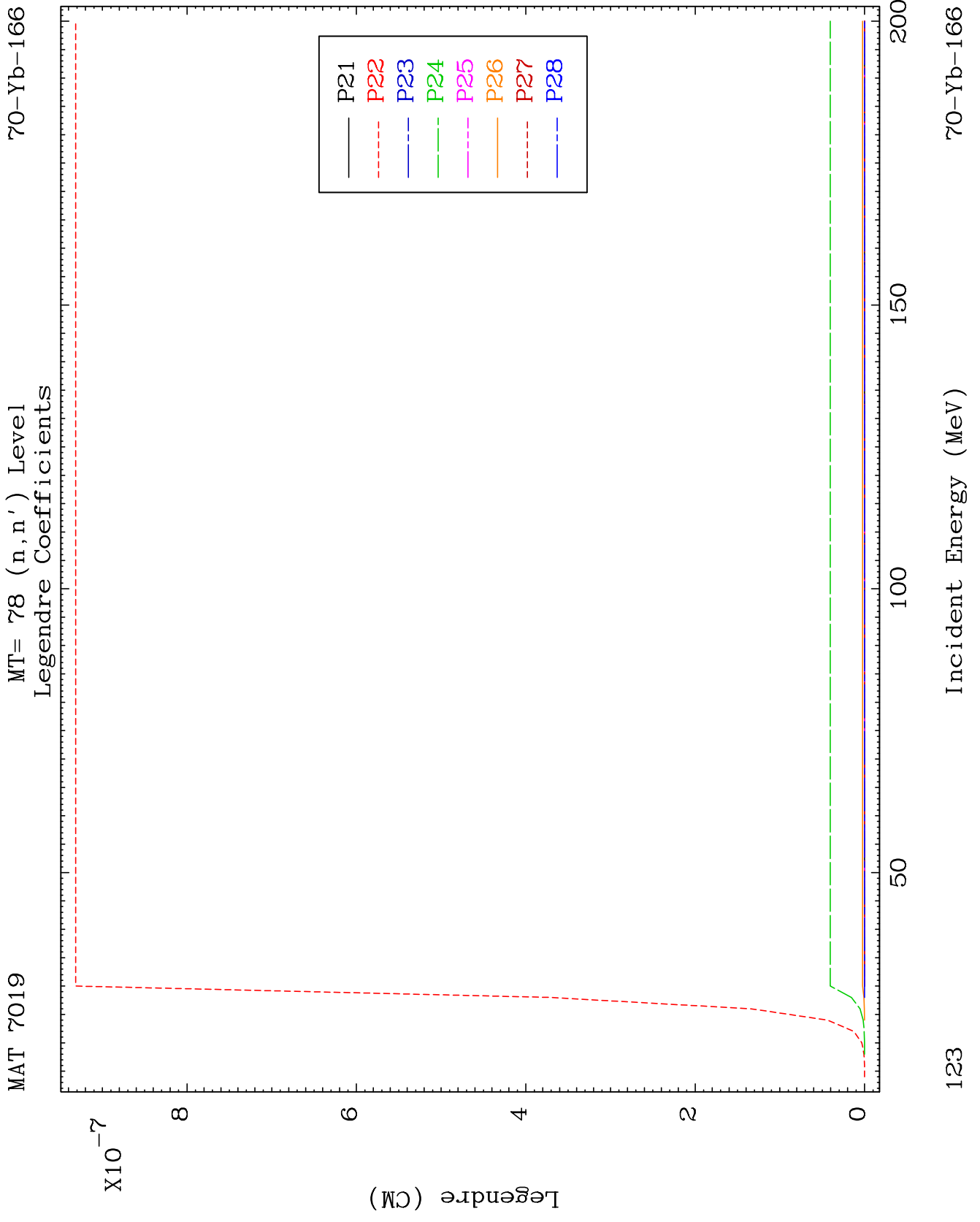
70-Yb-166

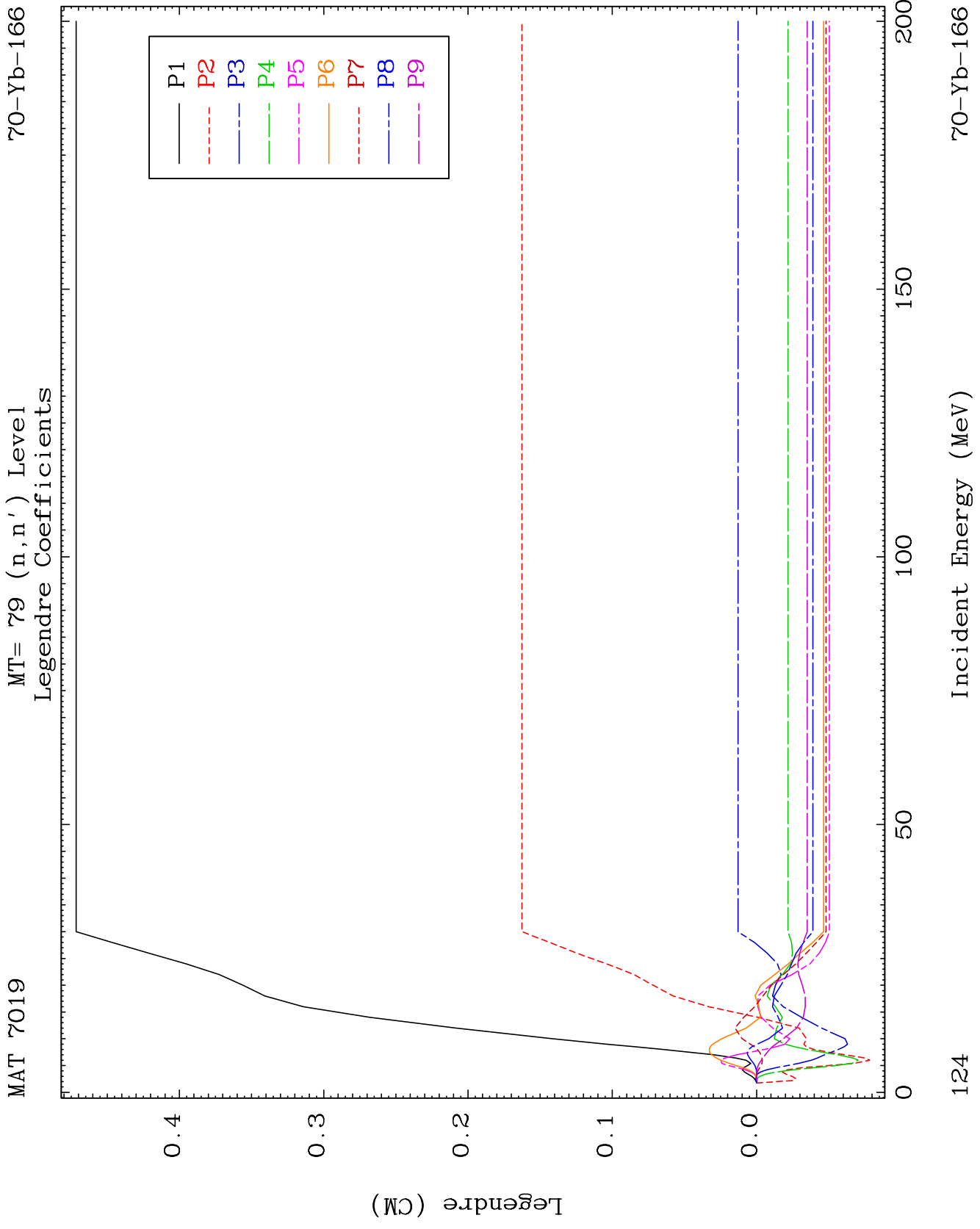


122

Incident Energy (MeV)

70-Yb-166

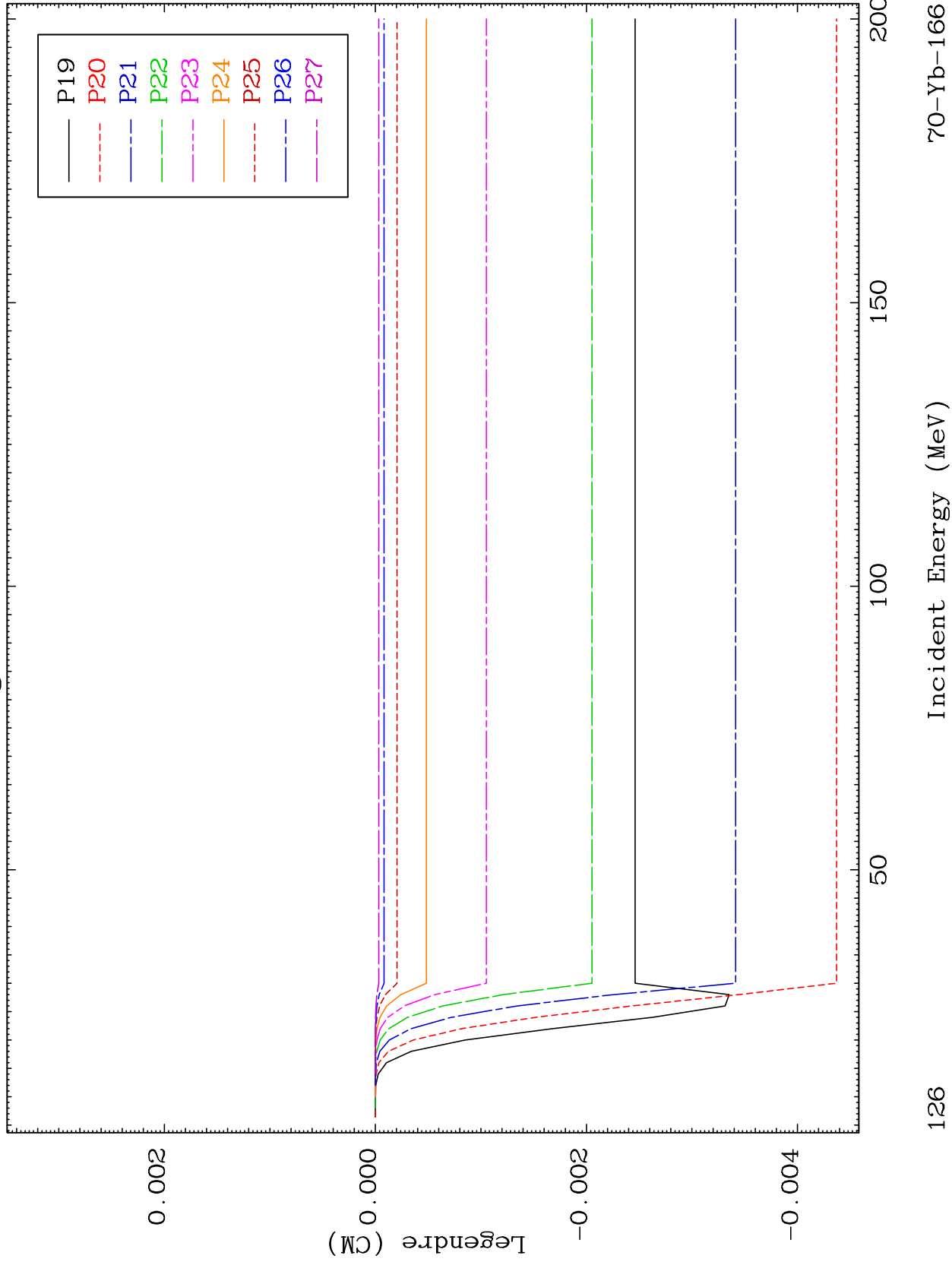




MAT 7019

MT= 79 (n,n') Level
Legendre Coefficients

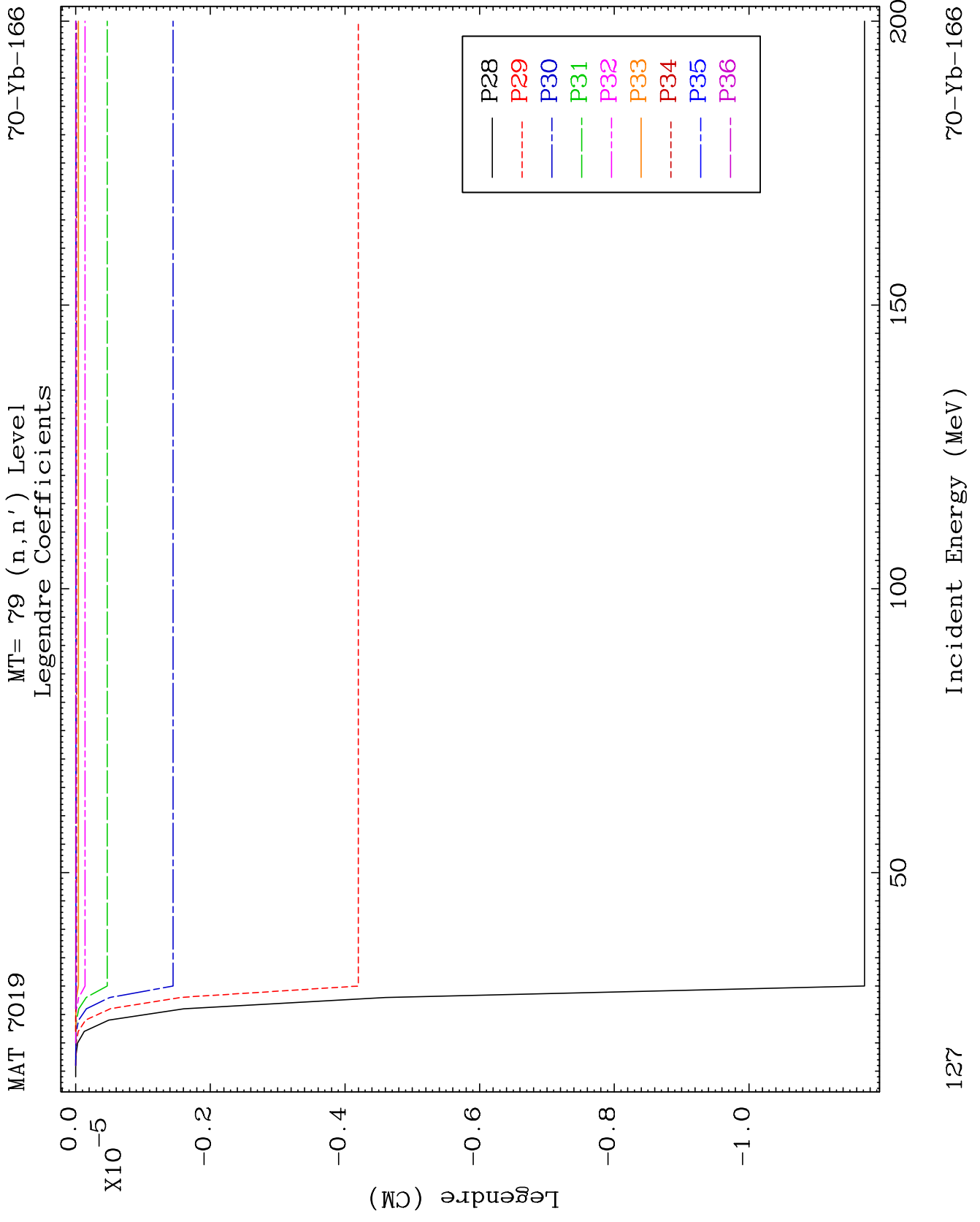
70-Yb-166

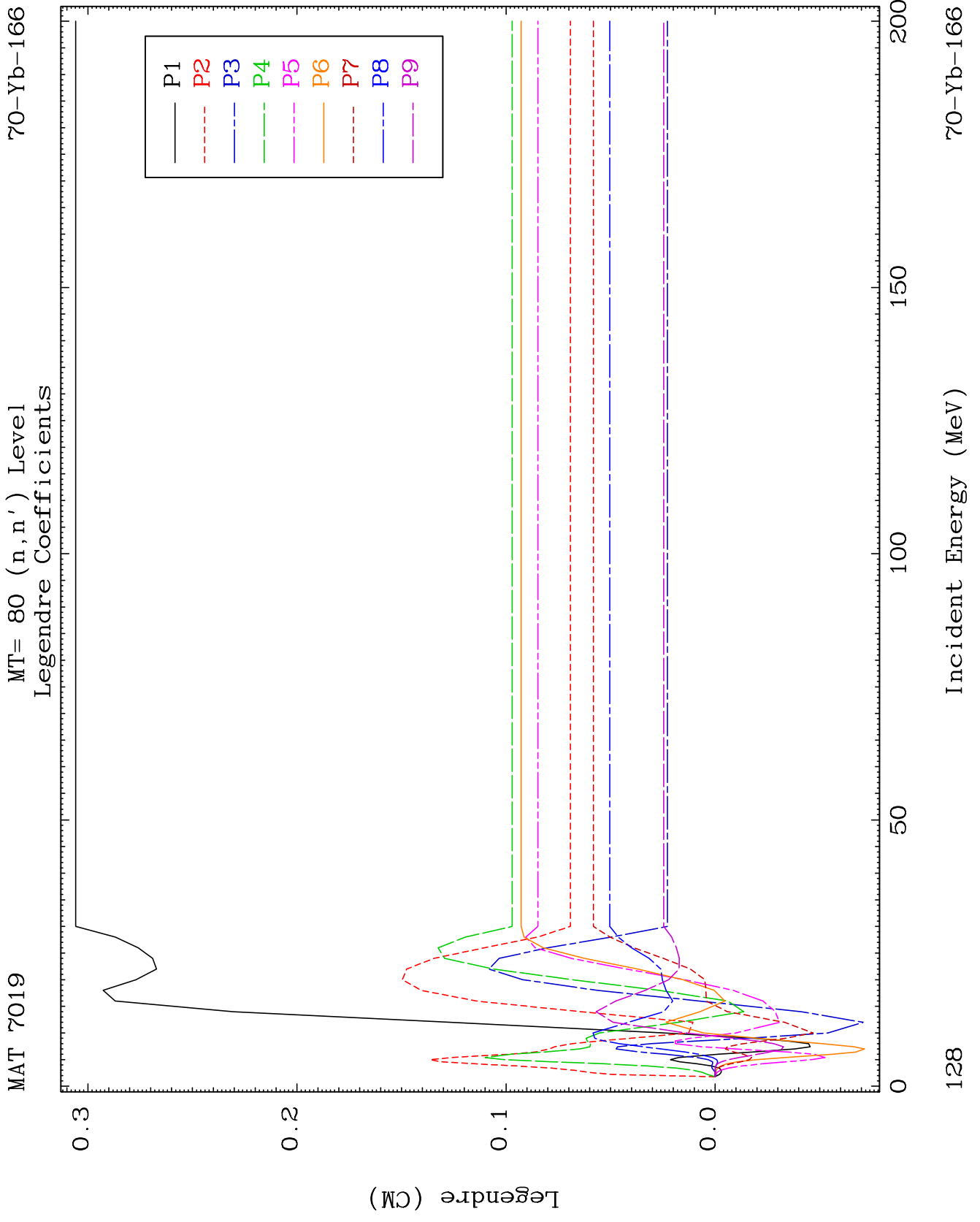


126

Incident Energy (MeV)

70-Yb-166

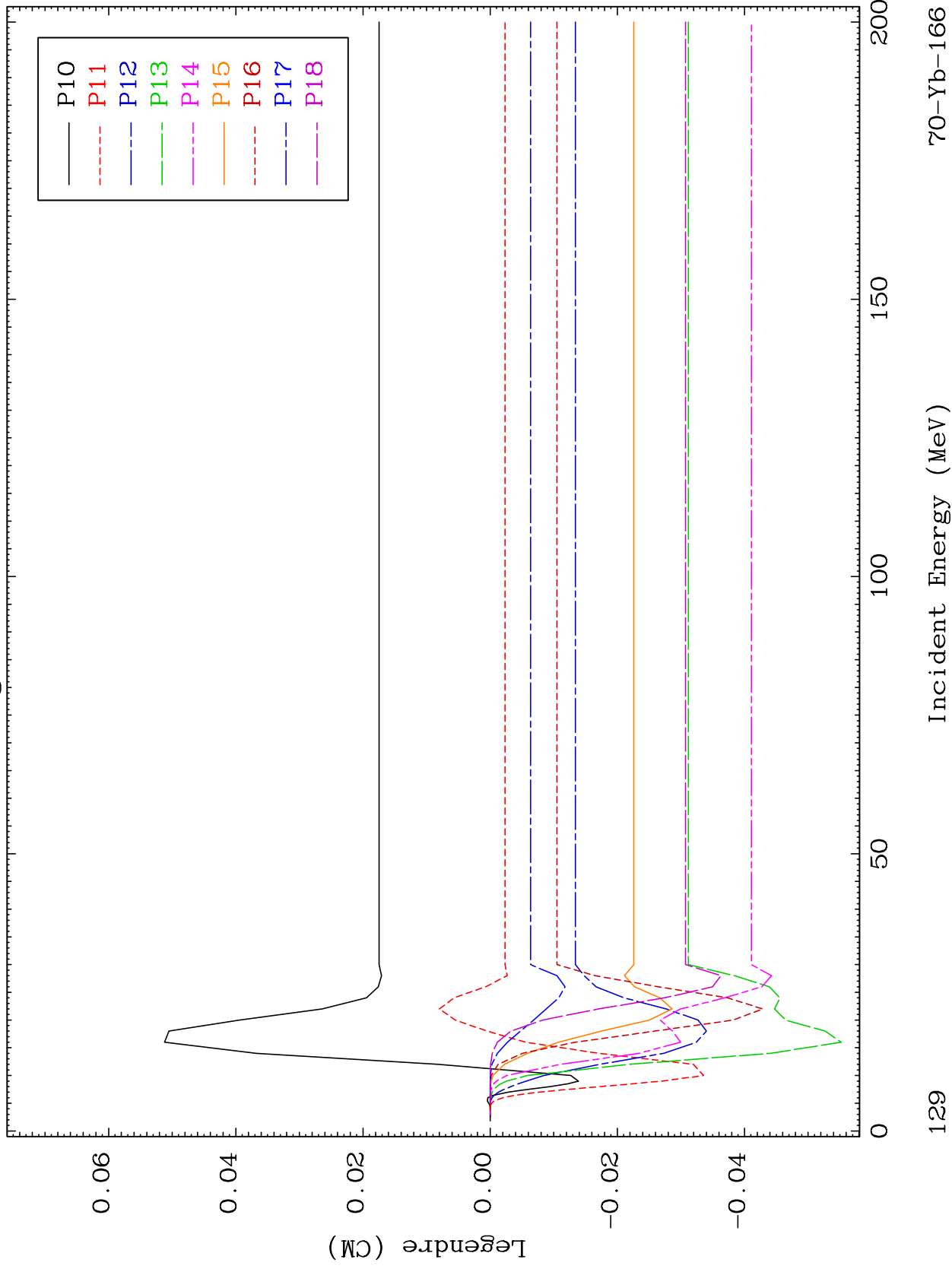




MAT 7019

MT= 80 (n,n') Level
Legendre Coefficients

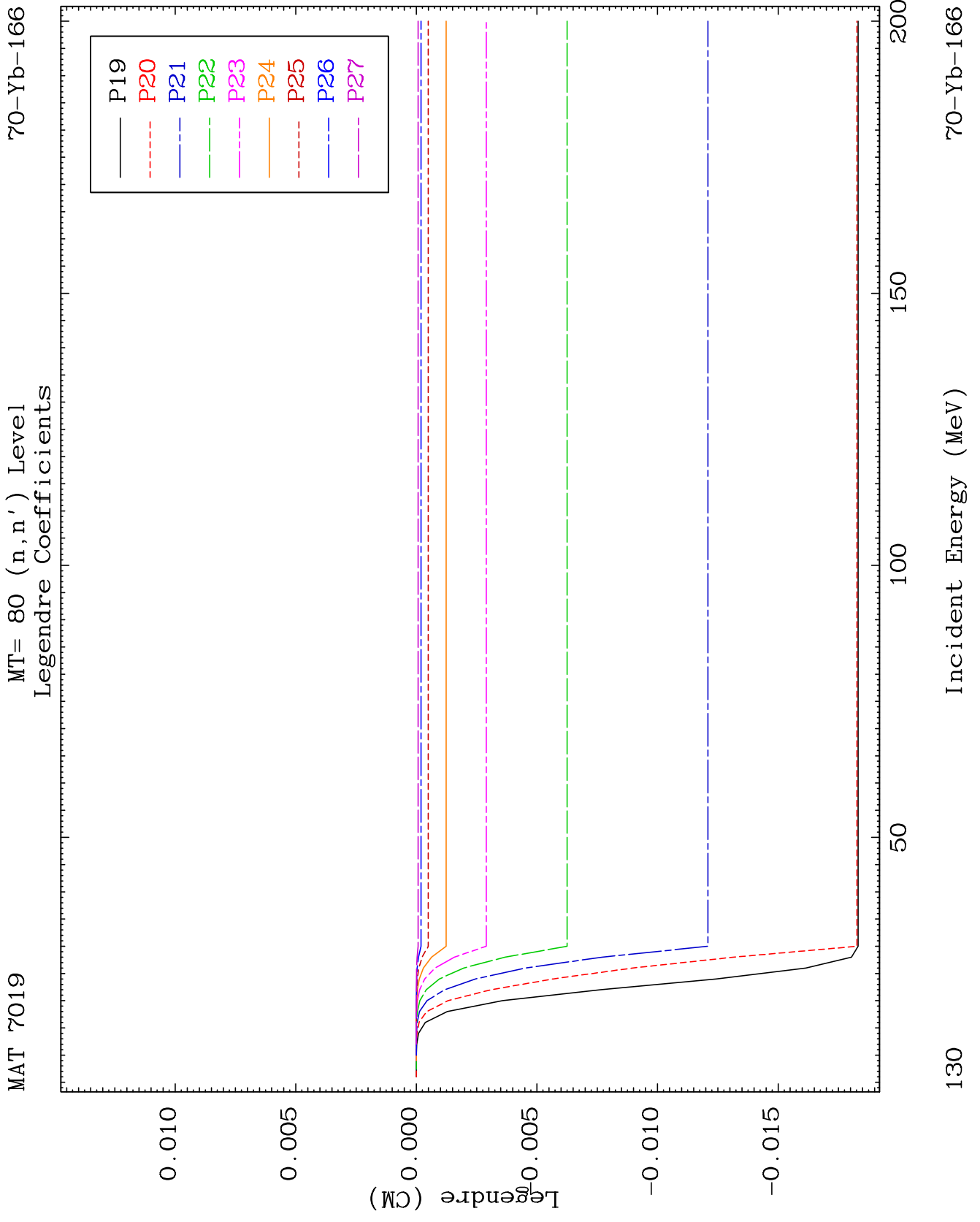
70-Yb-166

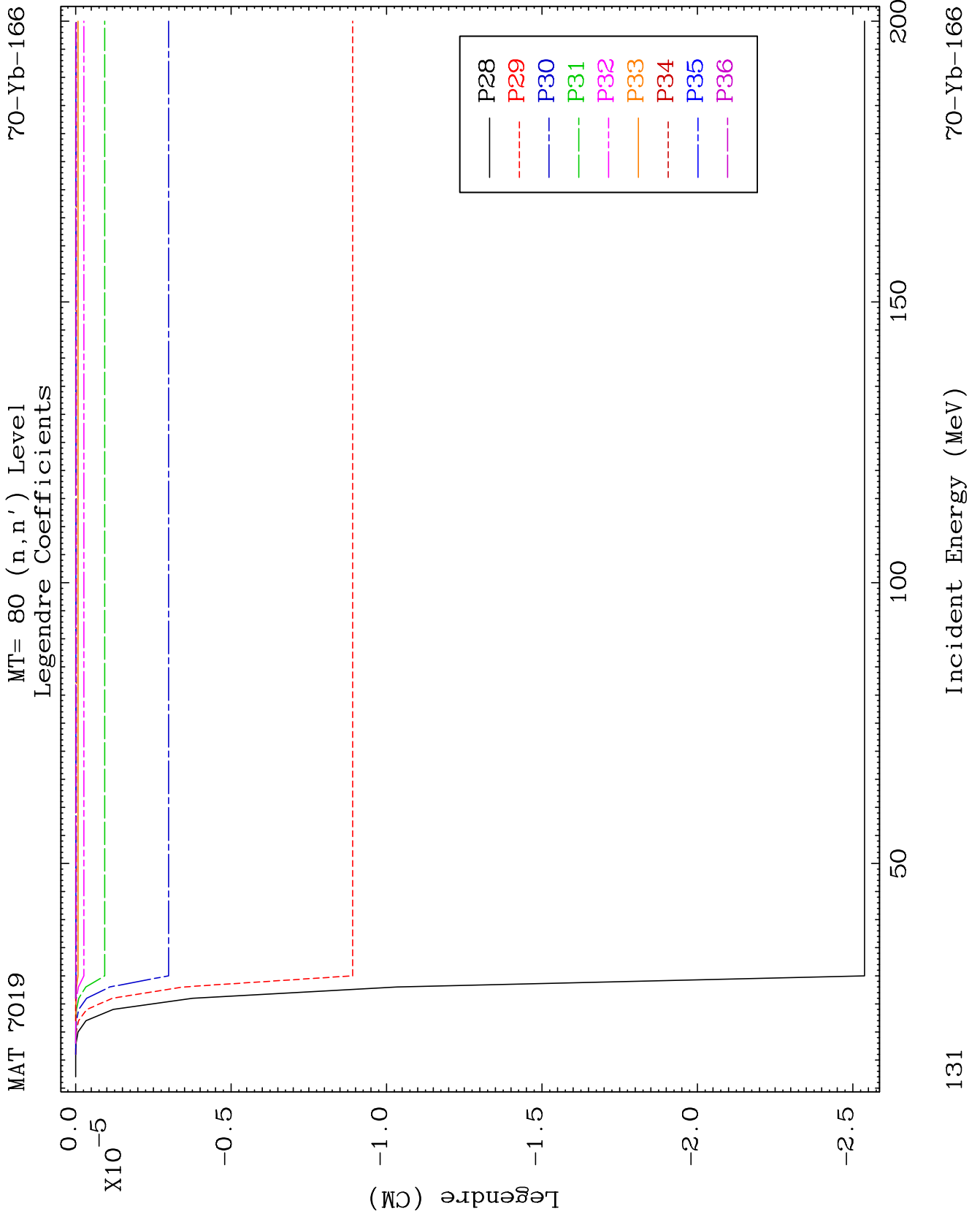


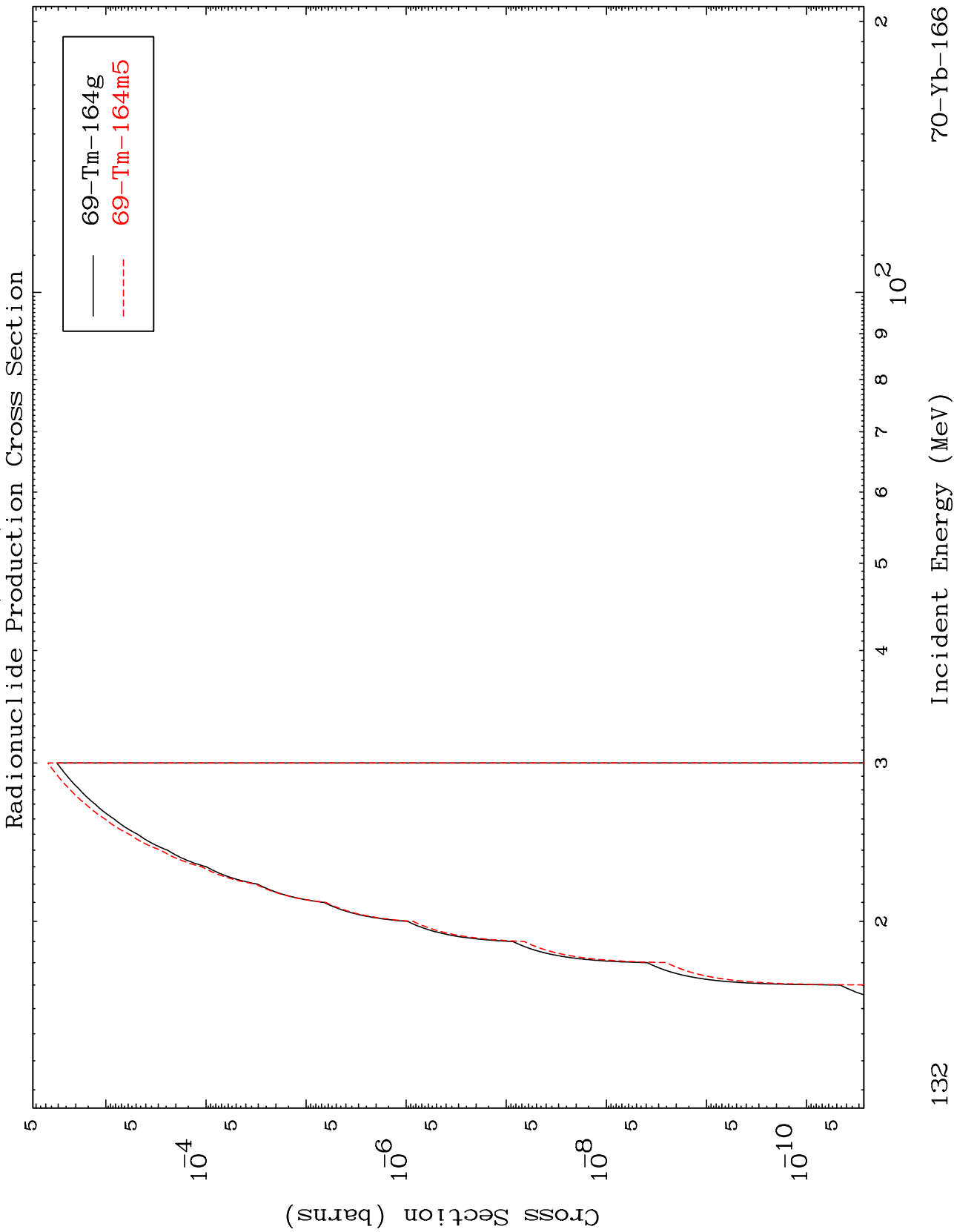
129

Incident Energy (MeV)

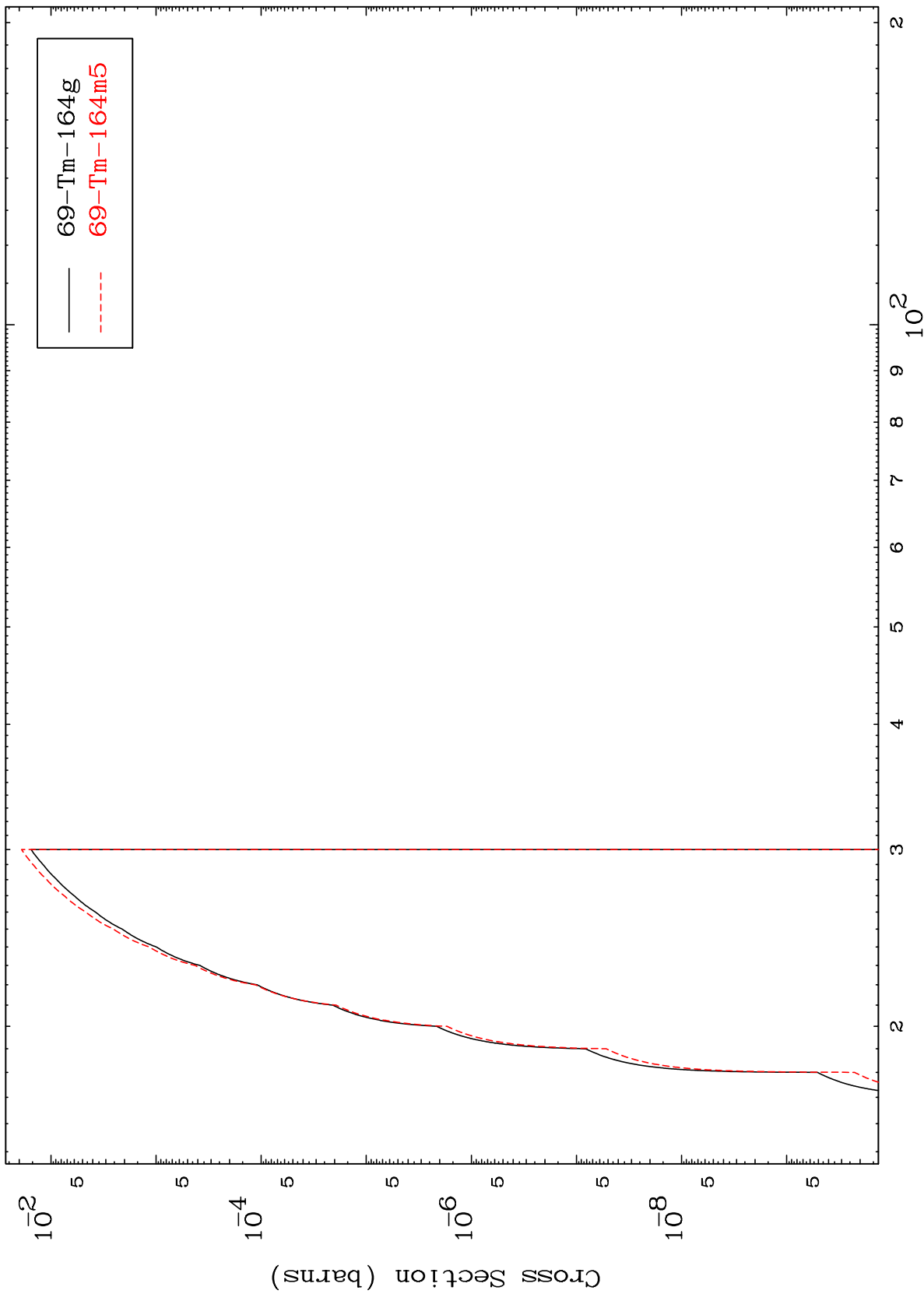
70-Yb-166







Radionuclide Production Cross Section

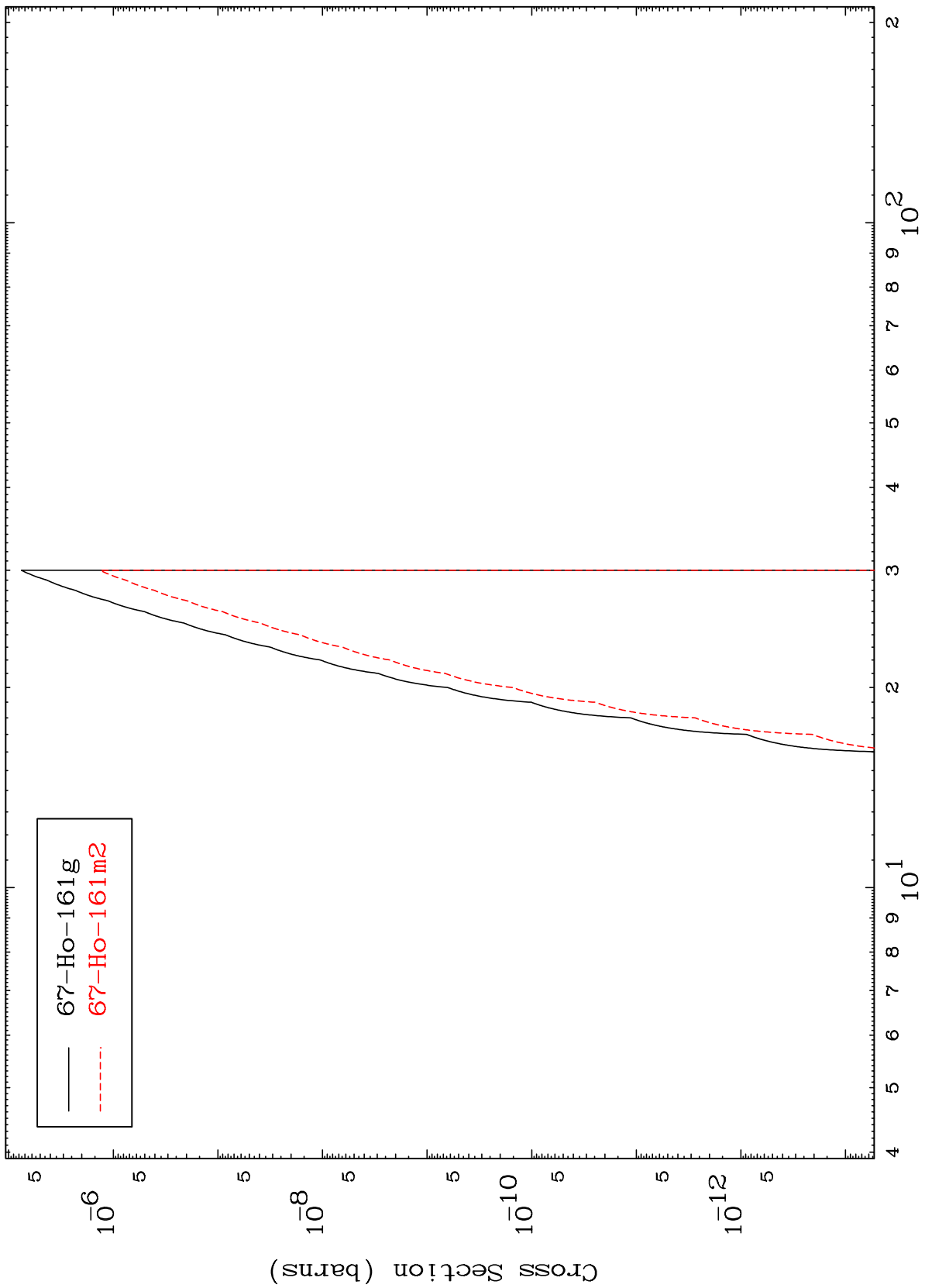


MAT 7019

(n,n') p α

70-Yb-166

Radionuclide Production Cross Section



134

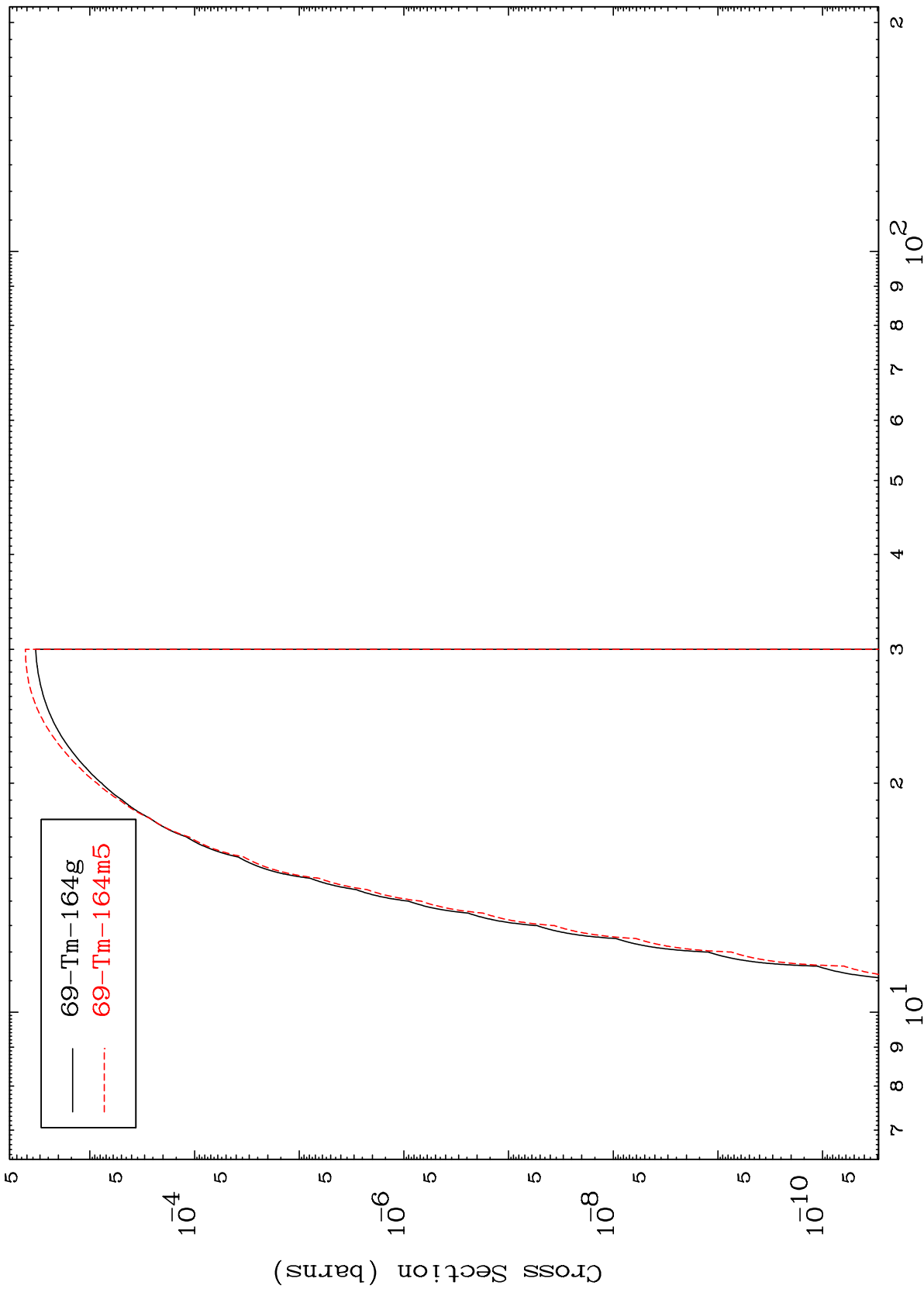
Incident Energy (MeV)

70-Yb-166

MAT 7019

70-Yb-166

Radionuclide Production Cross Section



Incident Energy (MeV)

70-Yb-166

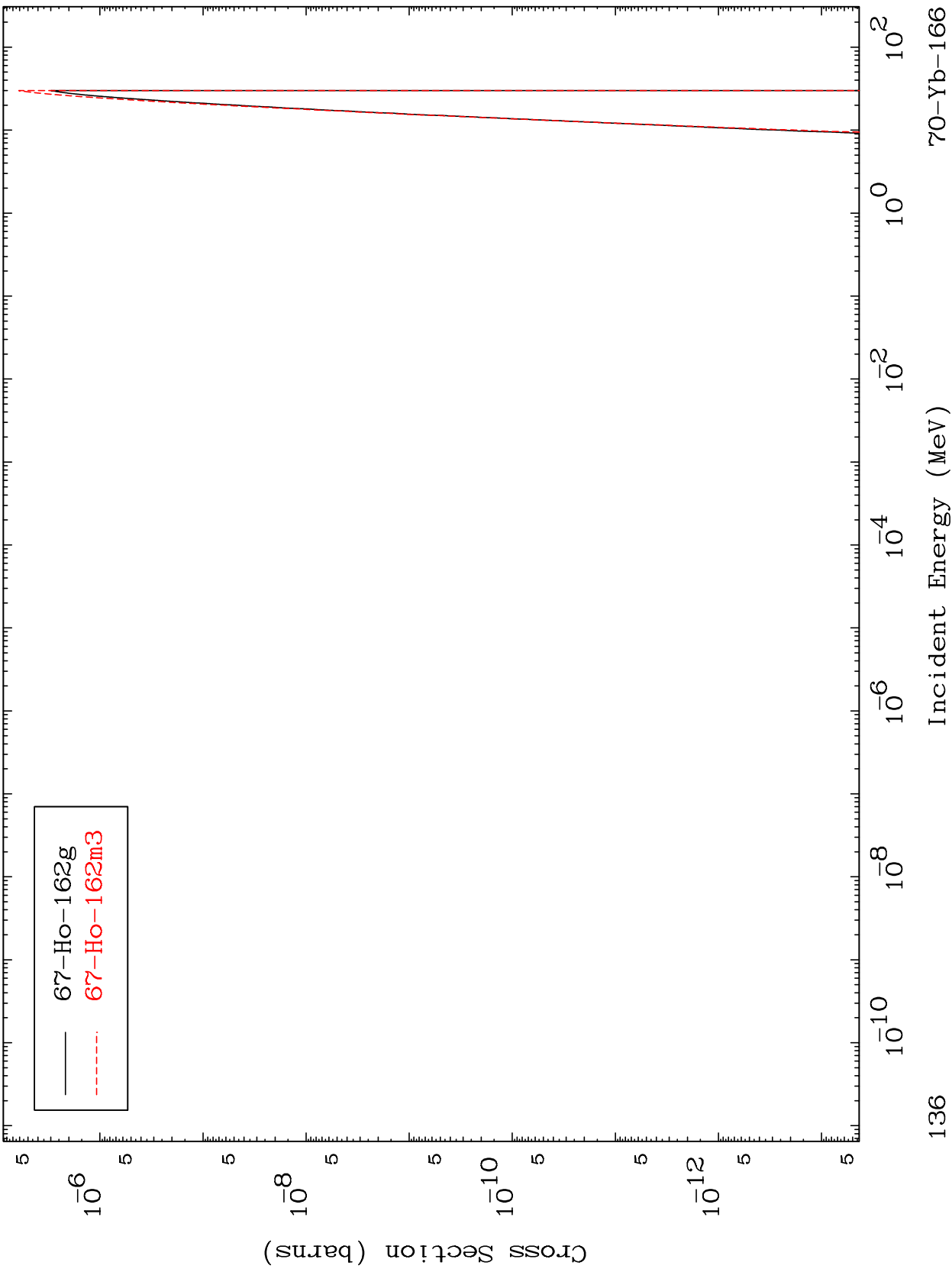
135

MAT 7019

(n,p) α

70-Yb-166

Radionuclide Production Cross Section

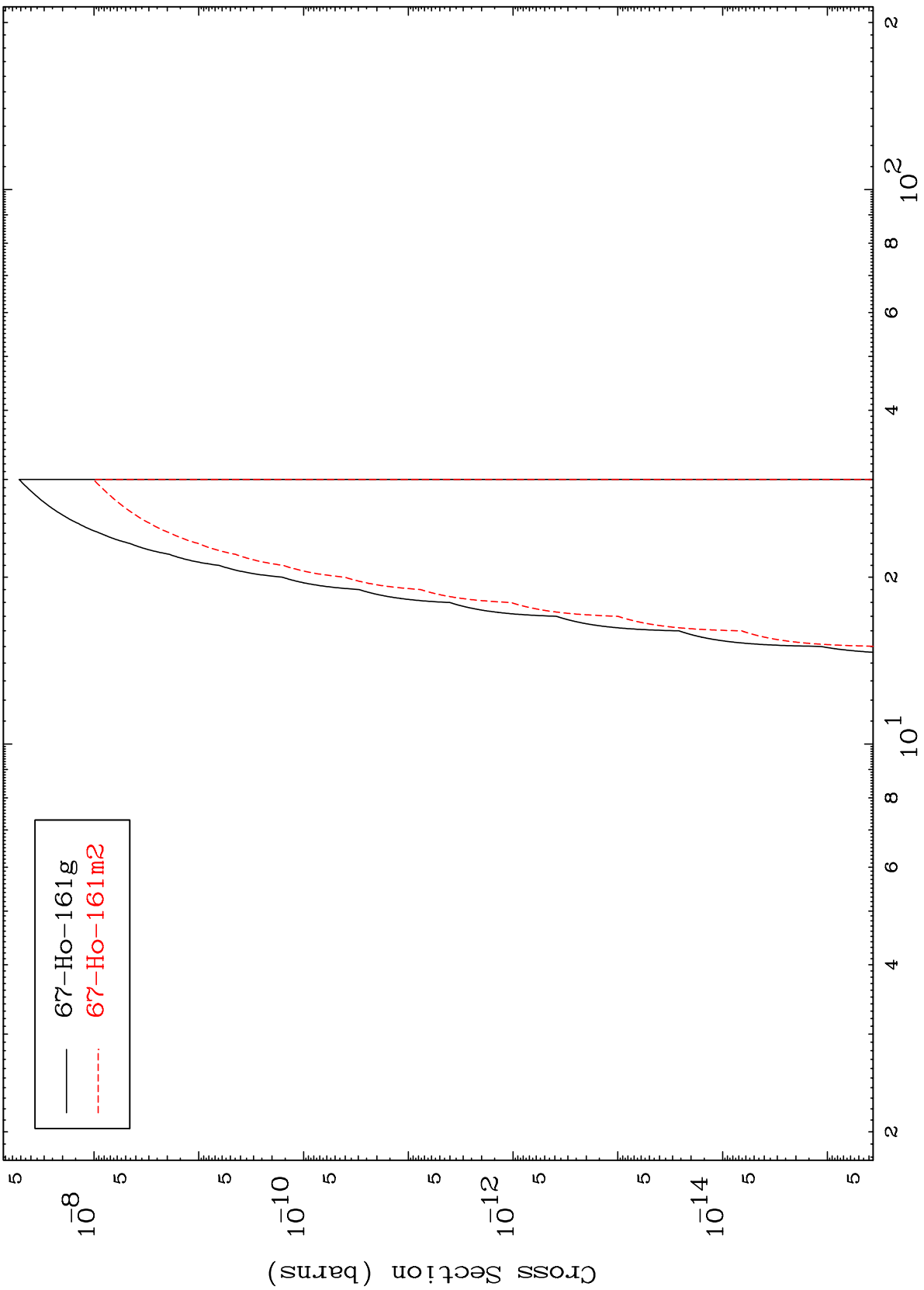


MAT 7019

(n,d) α

⁷⁰Yb-166

Radionuclide Production Cross Section



137

Incident Energy (MeV)

⁷⁰Yb-166