

Program EVALPLOT
(Version 2017-1)

by

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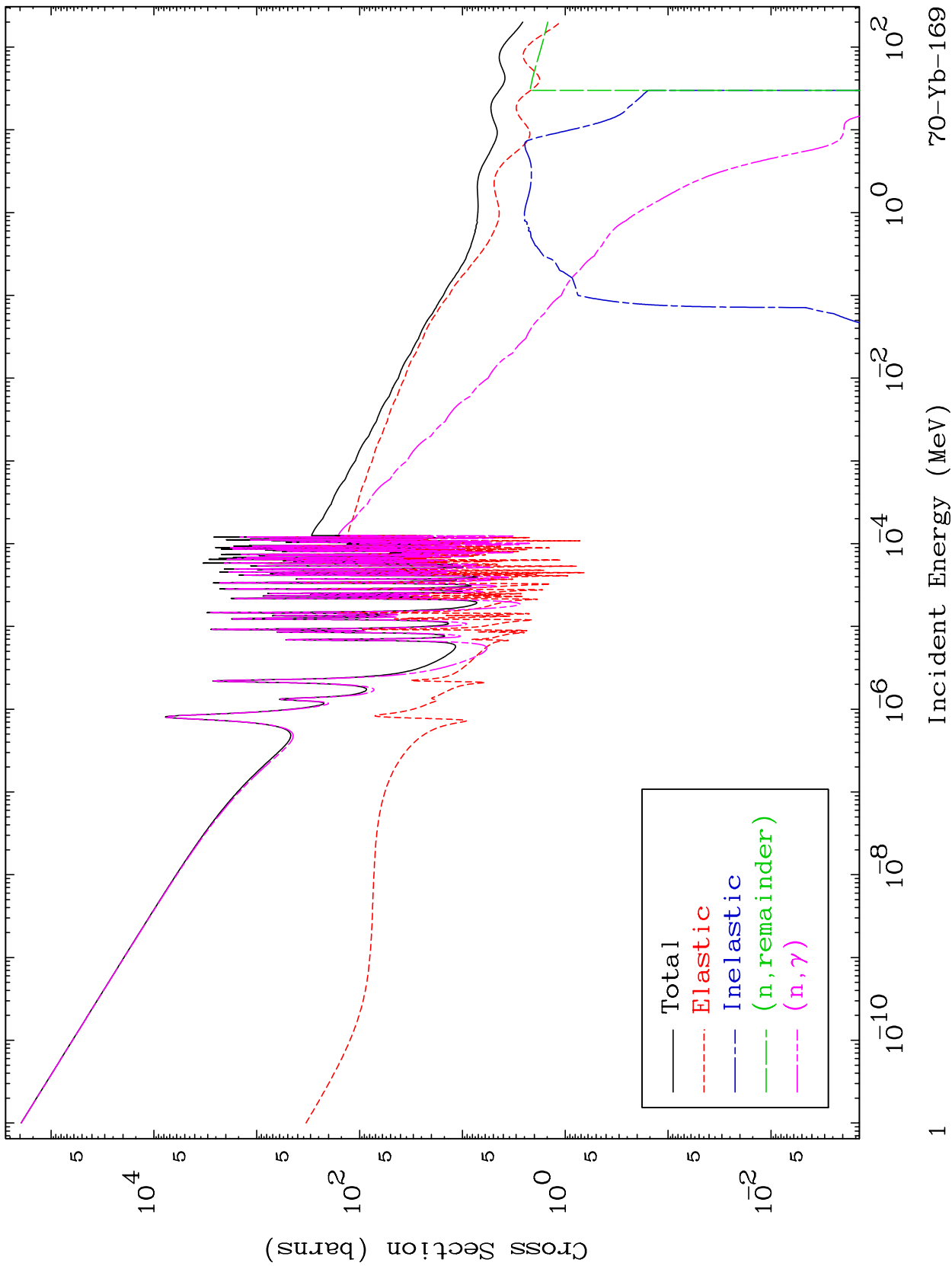
Press Mouse Button to Start

MAT 7028

Major

293 Kelvin Cross Sections

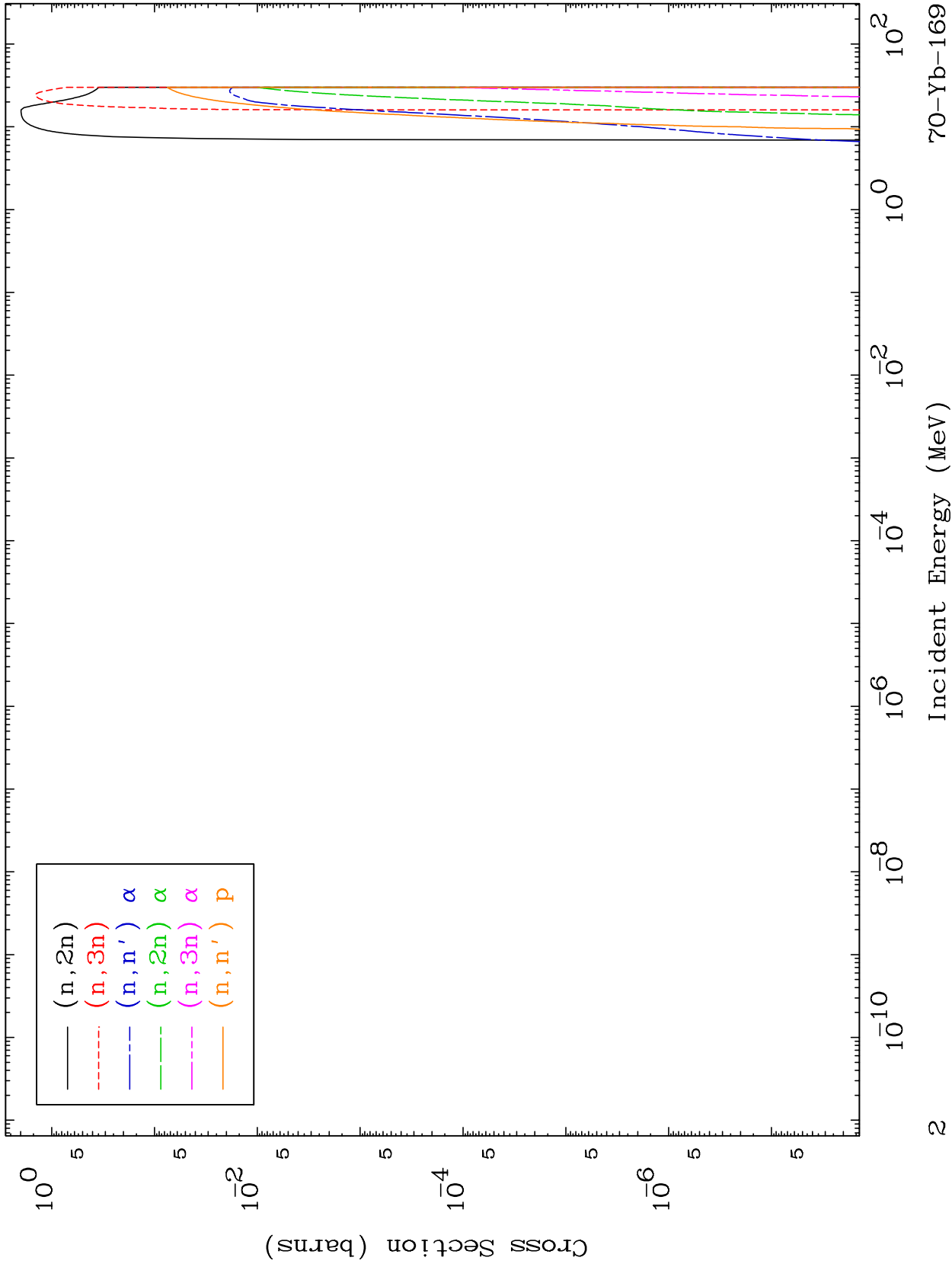
70-Yb-169

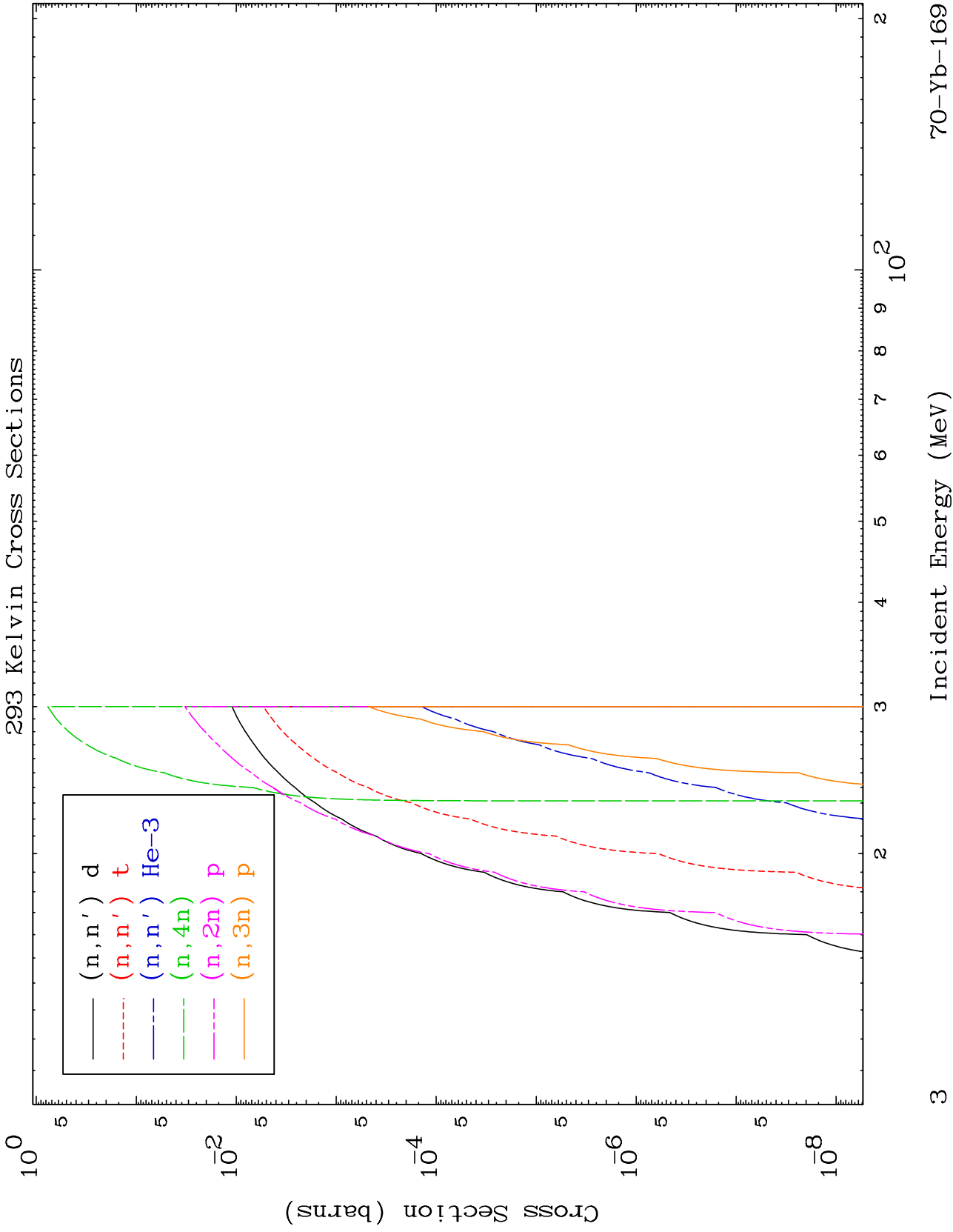


MAT 7028

Neutron Production
293 Kelvin Cross Sections

70-Yb-169

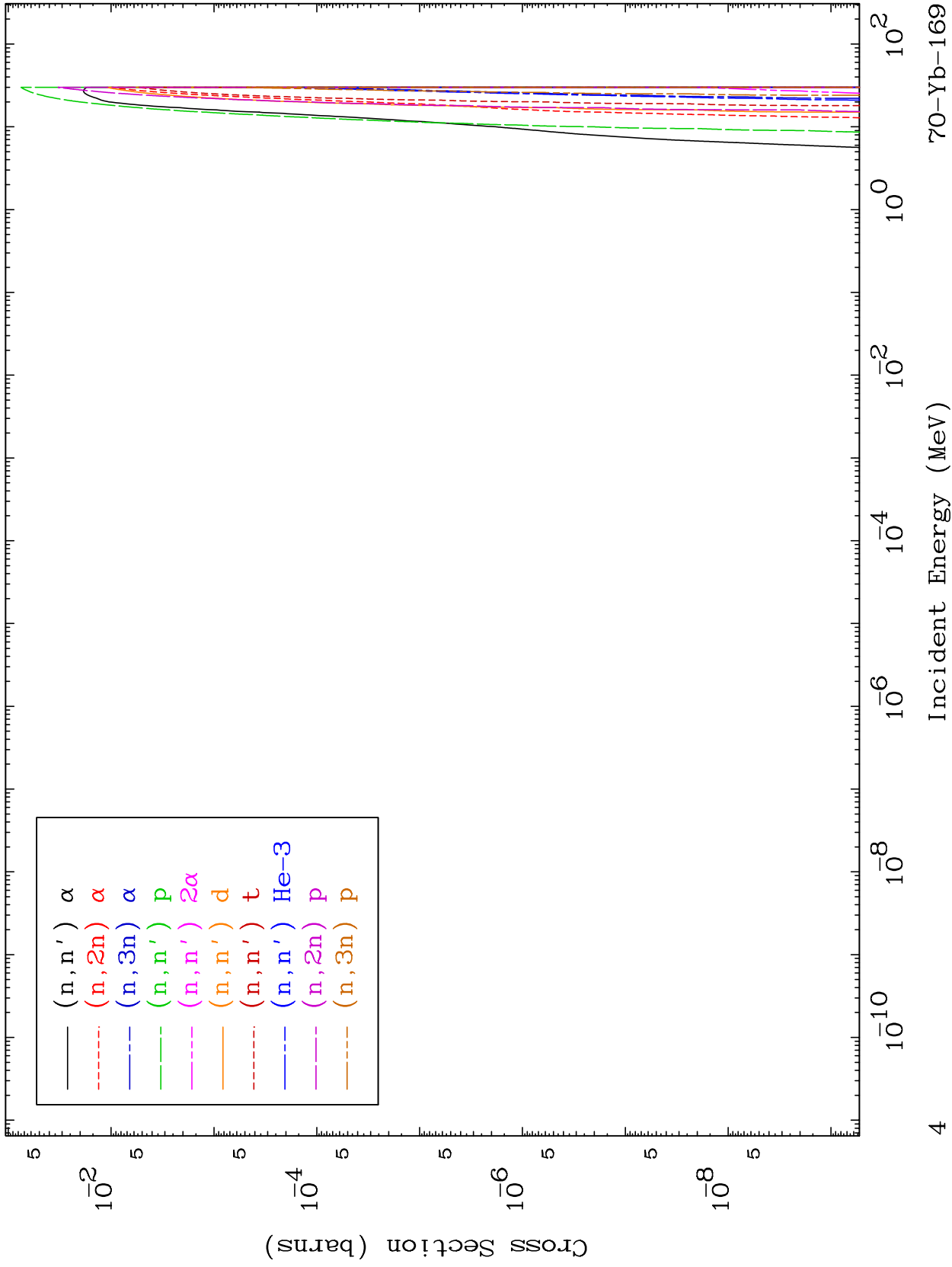


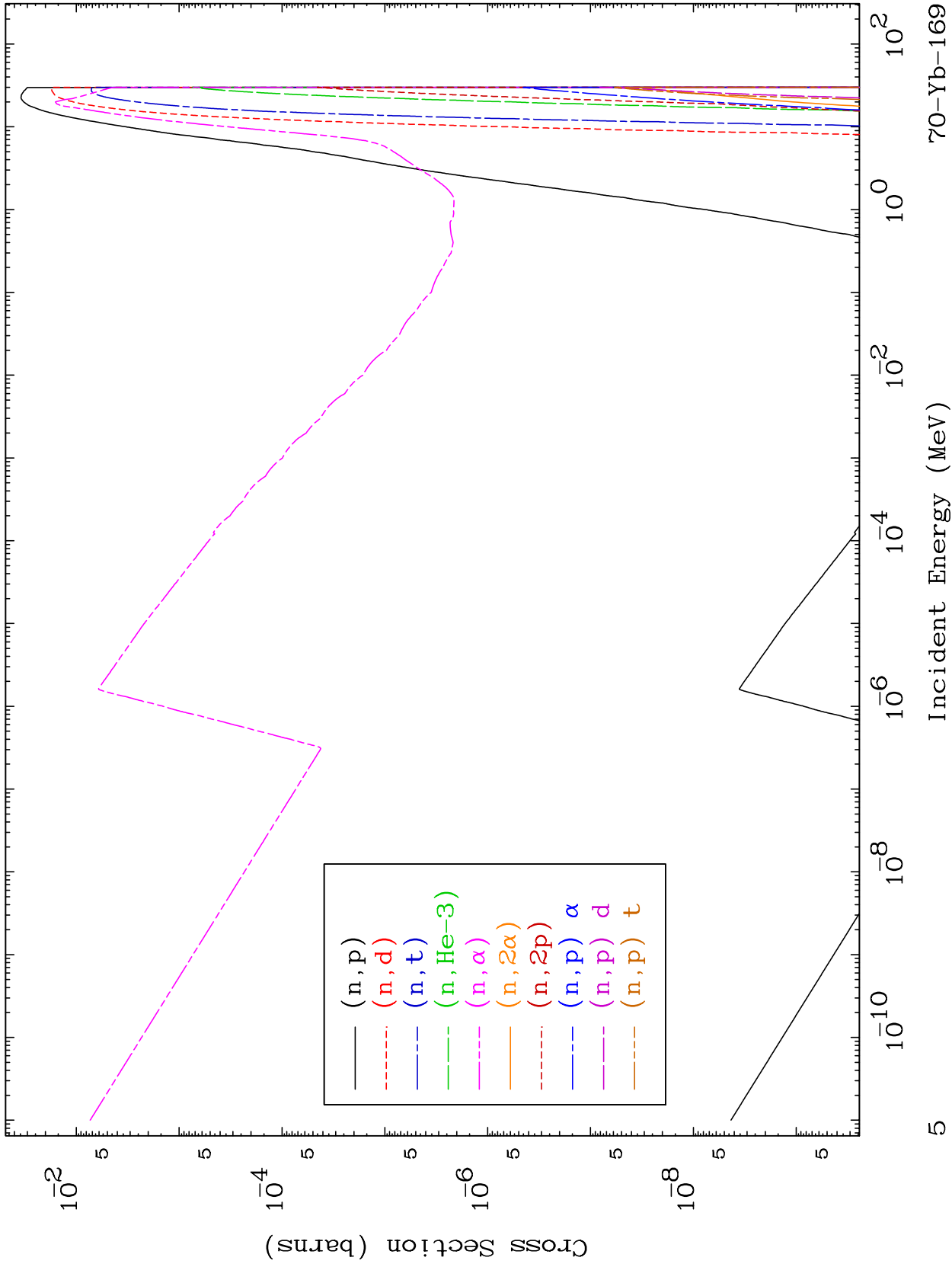


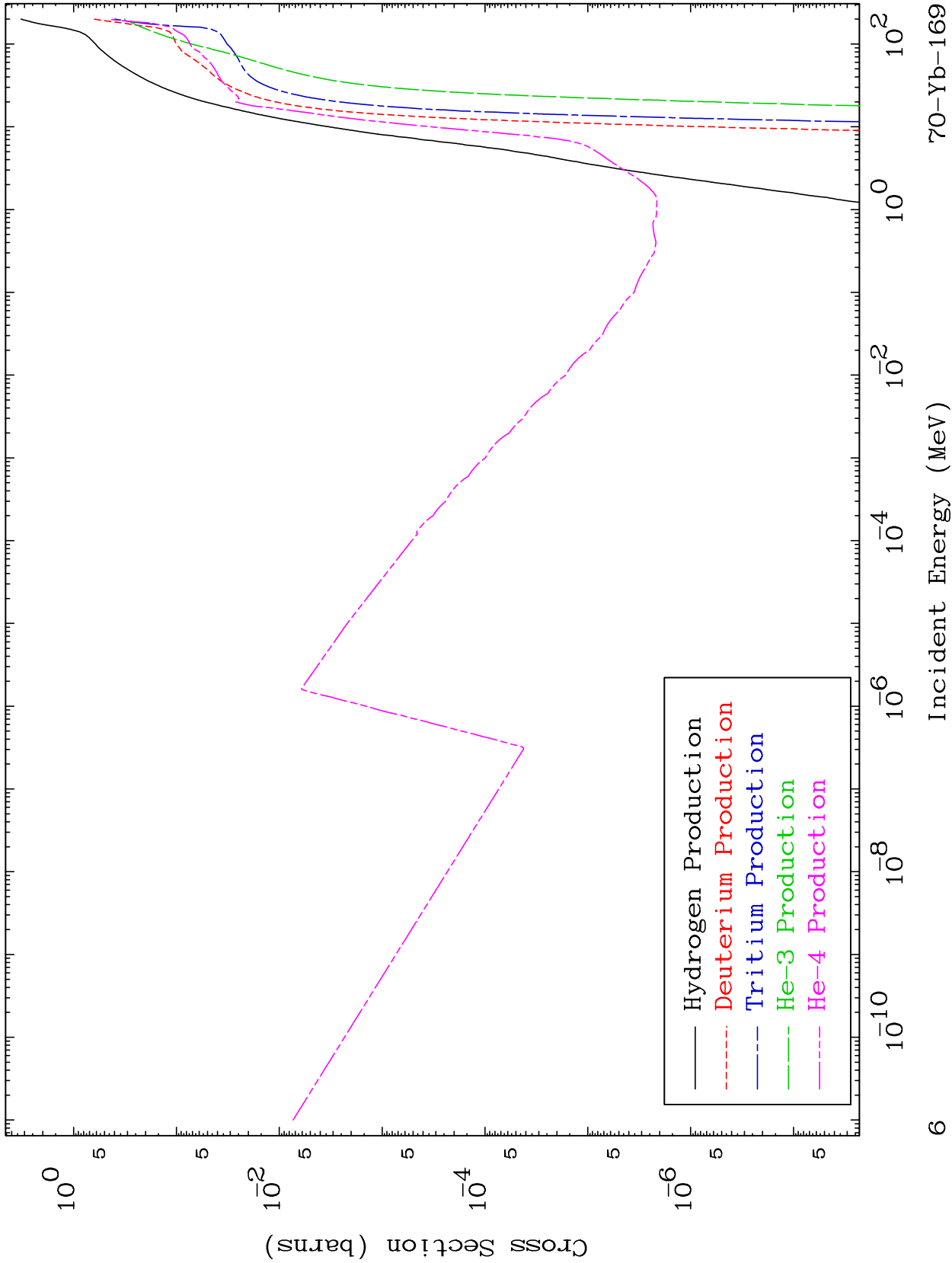
MAT 7028

Charged Particle
293 Kelvin Cross Sections

70-Yb-169





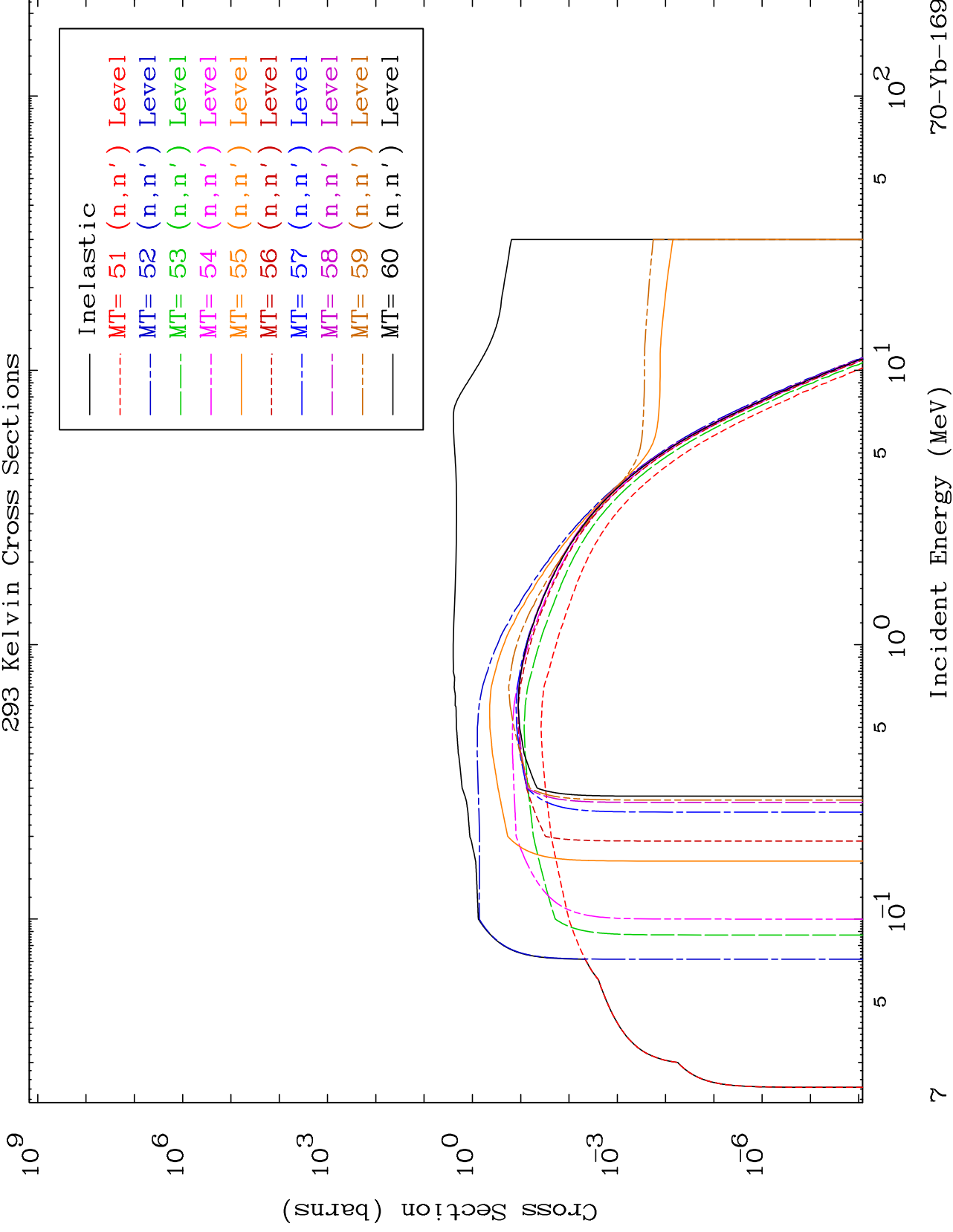


MAT 7028

(n,n') Level

293 Kelvin Cross Sections

70-Yb-169

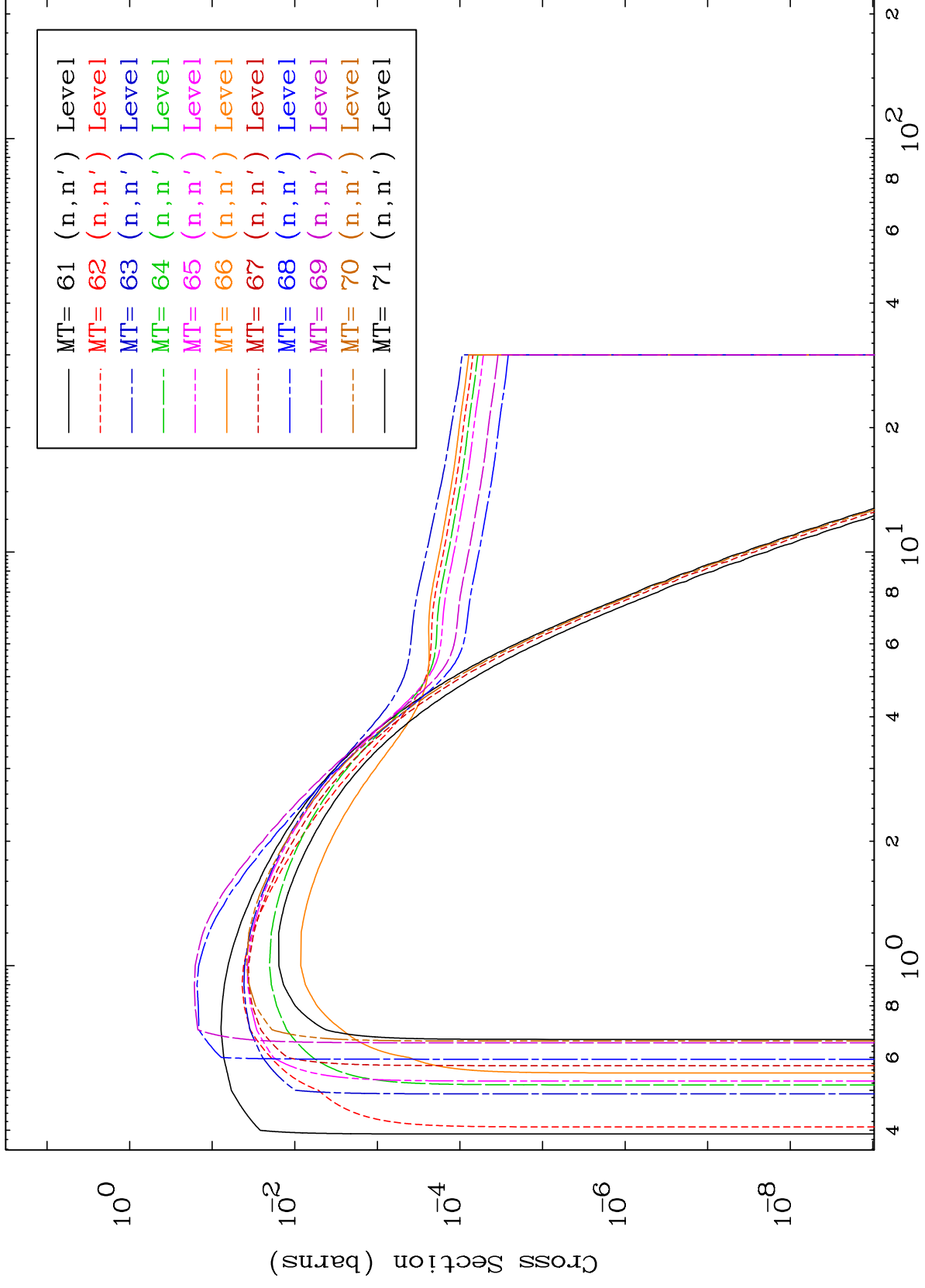


MAT 7028

(n,n') Level

70-Yb-169

293 Kelvin Cross Sections

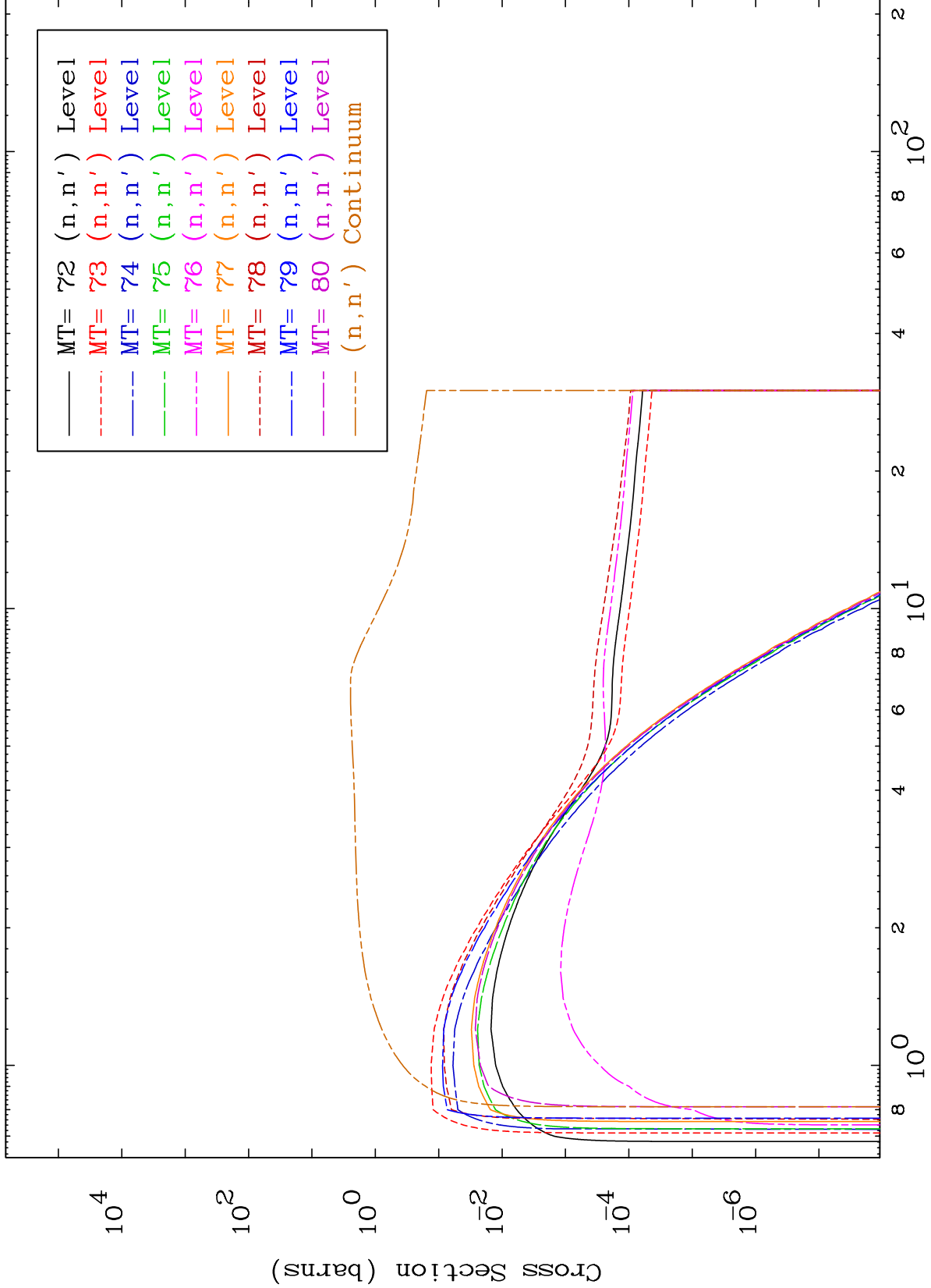


8

Incident Energy (MeV)

70-Yb-169

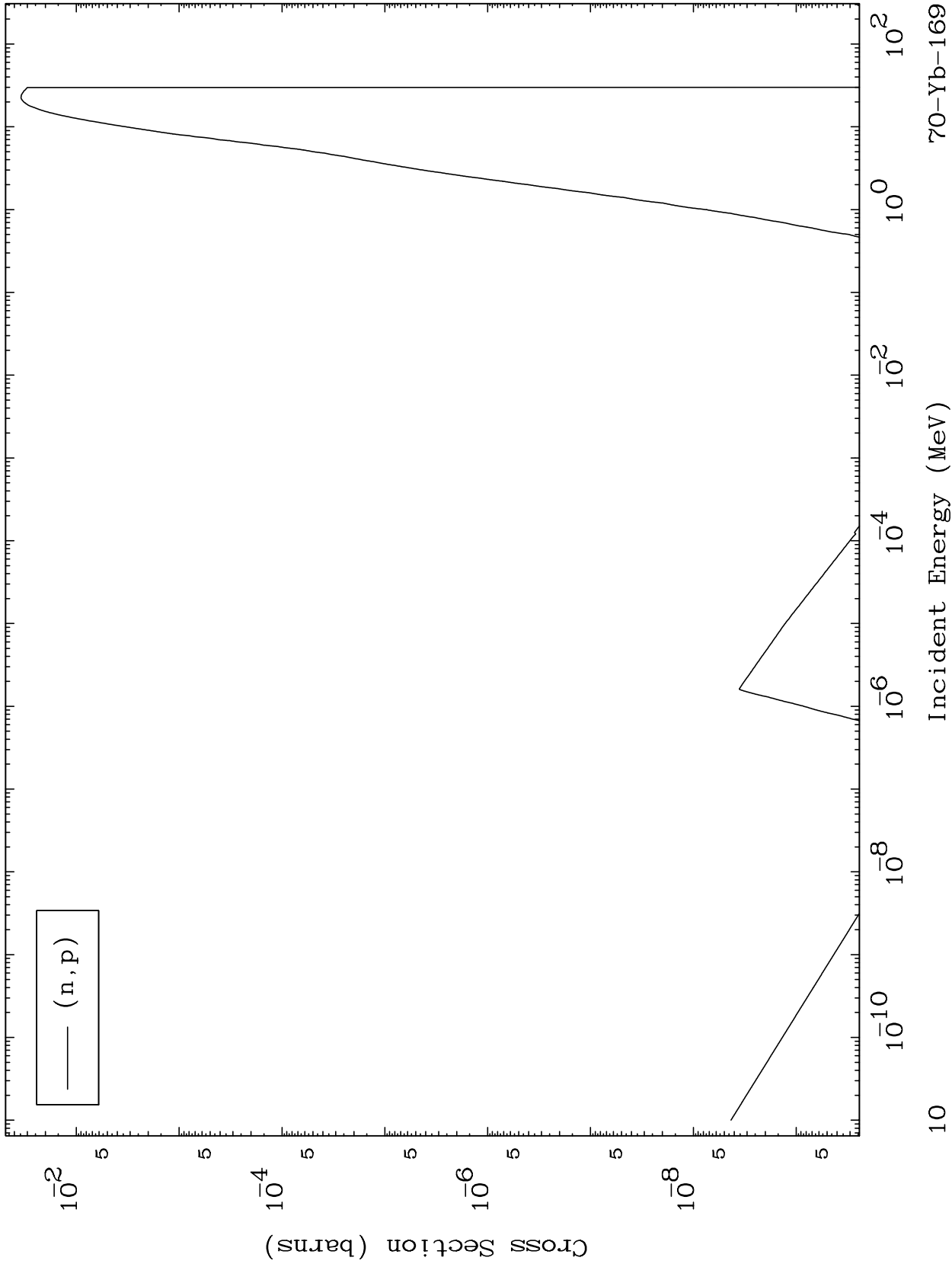
293 Kelvin Cross Sections



MAT 7028

(n,p) Levels
293 Kelvin Cross Sections

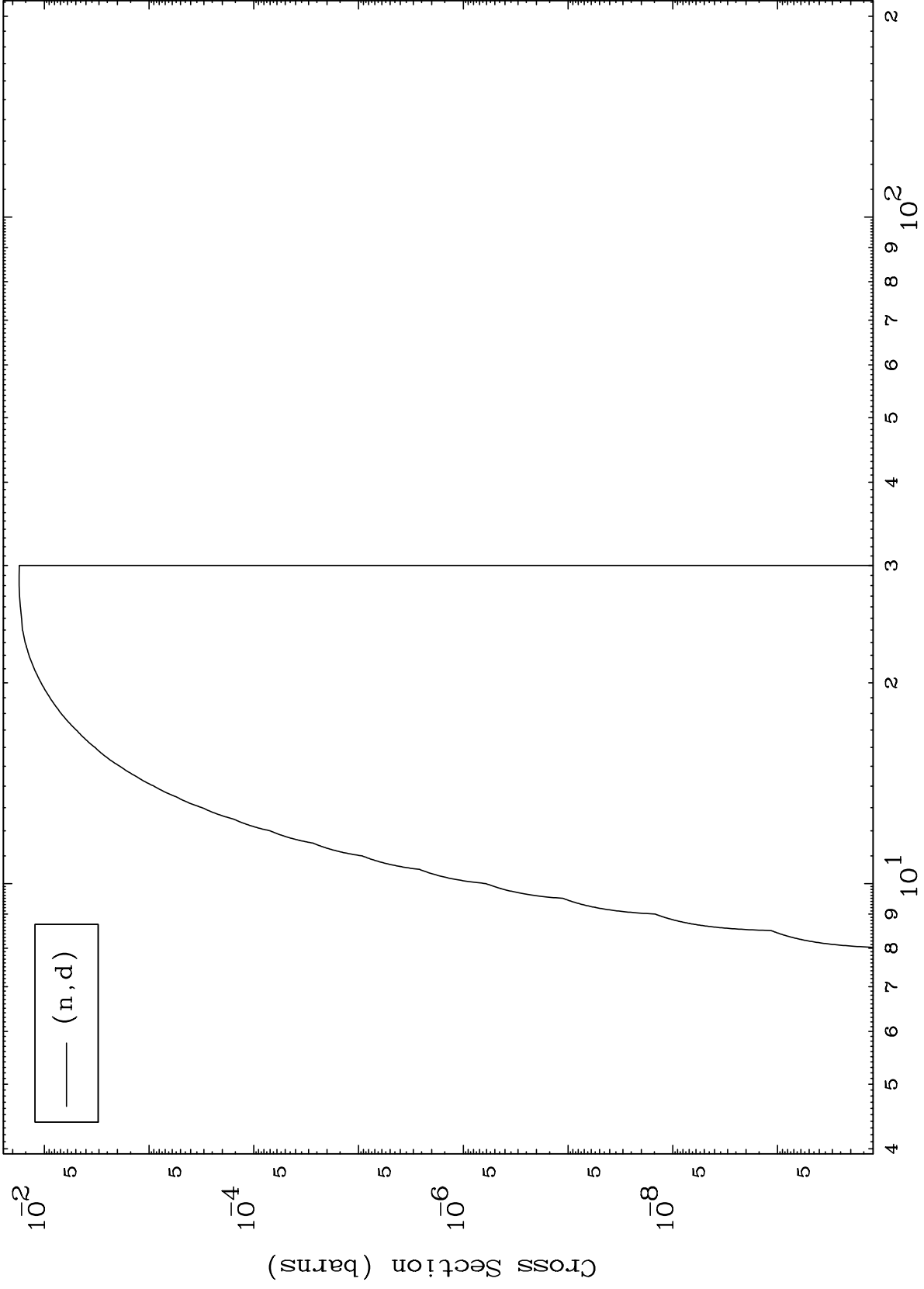
70-Yb-169



MAT 7028

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-169



11

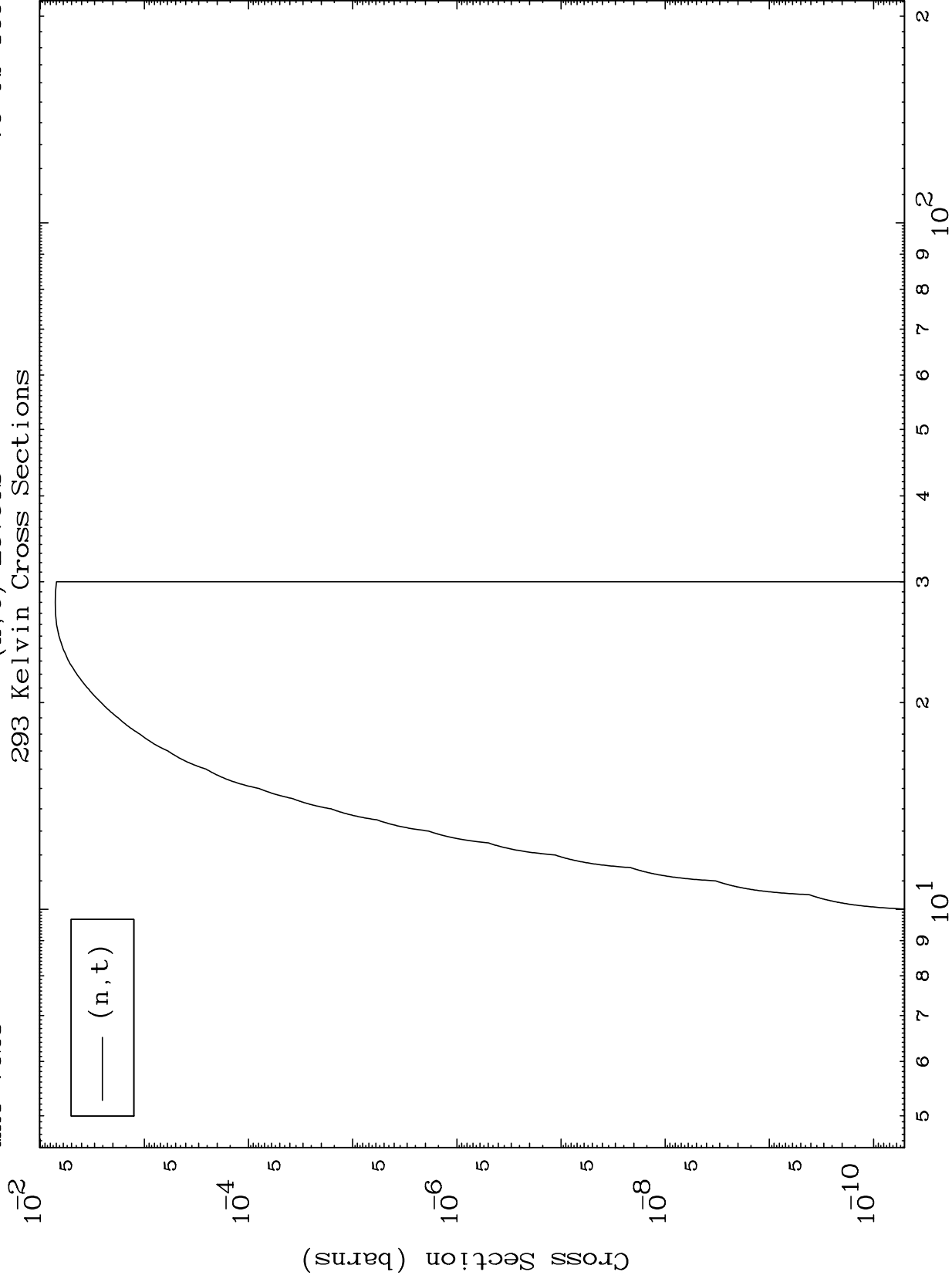
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-169



12

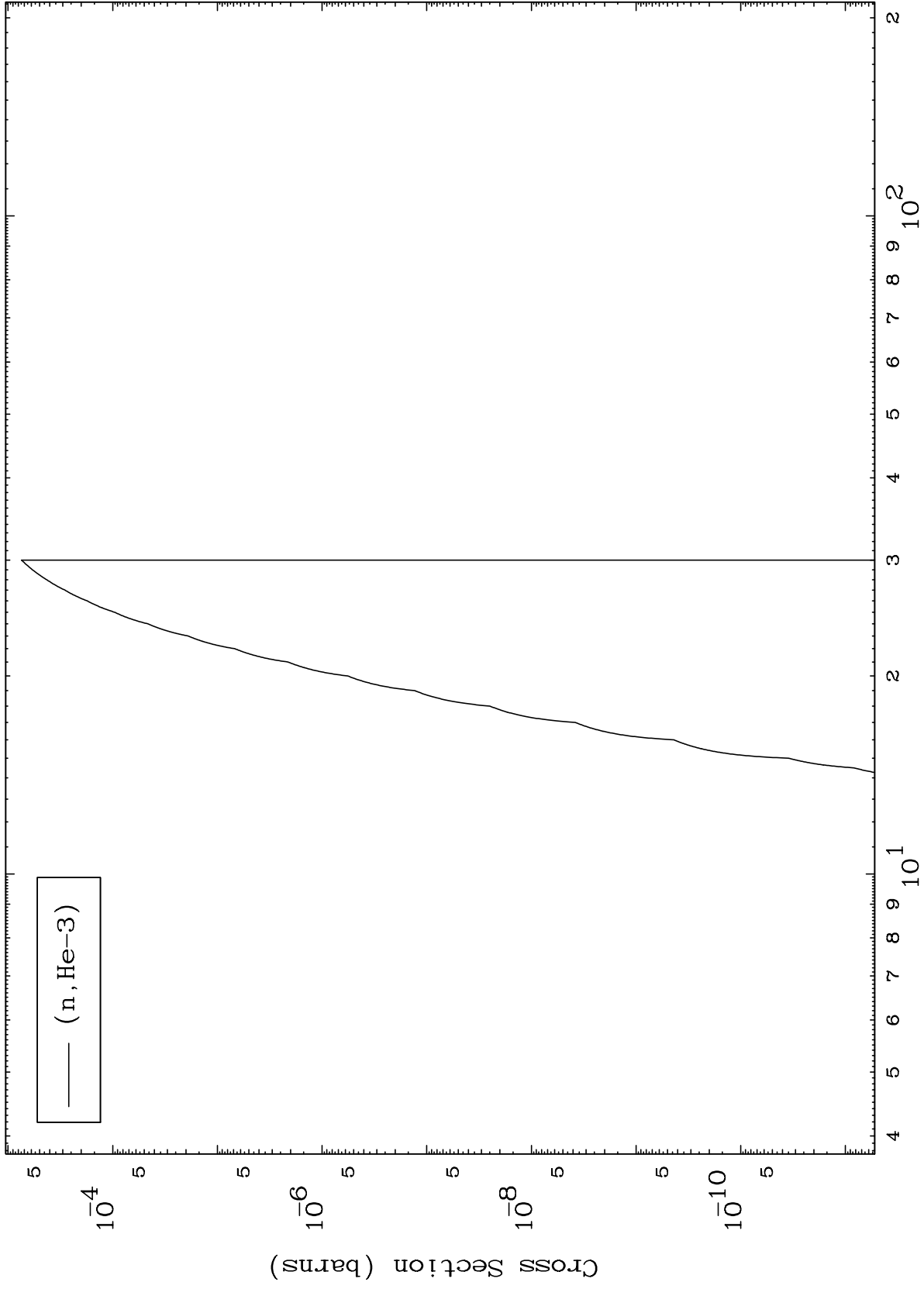
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-169



13

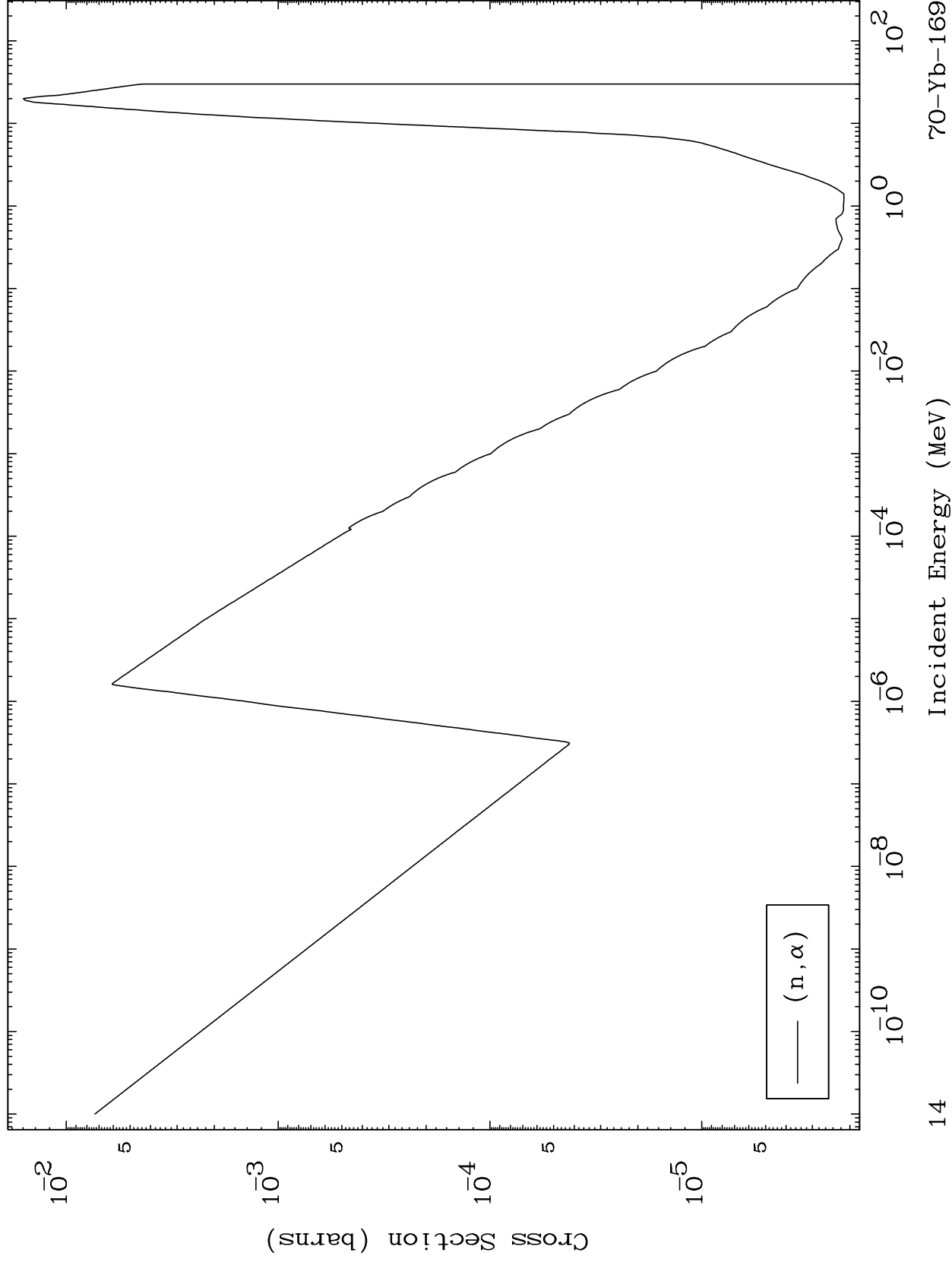
Incident Energy (MeV)

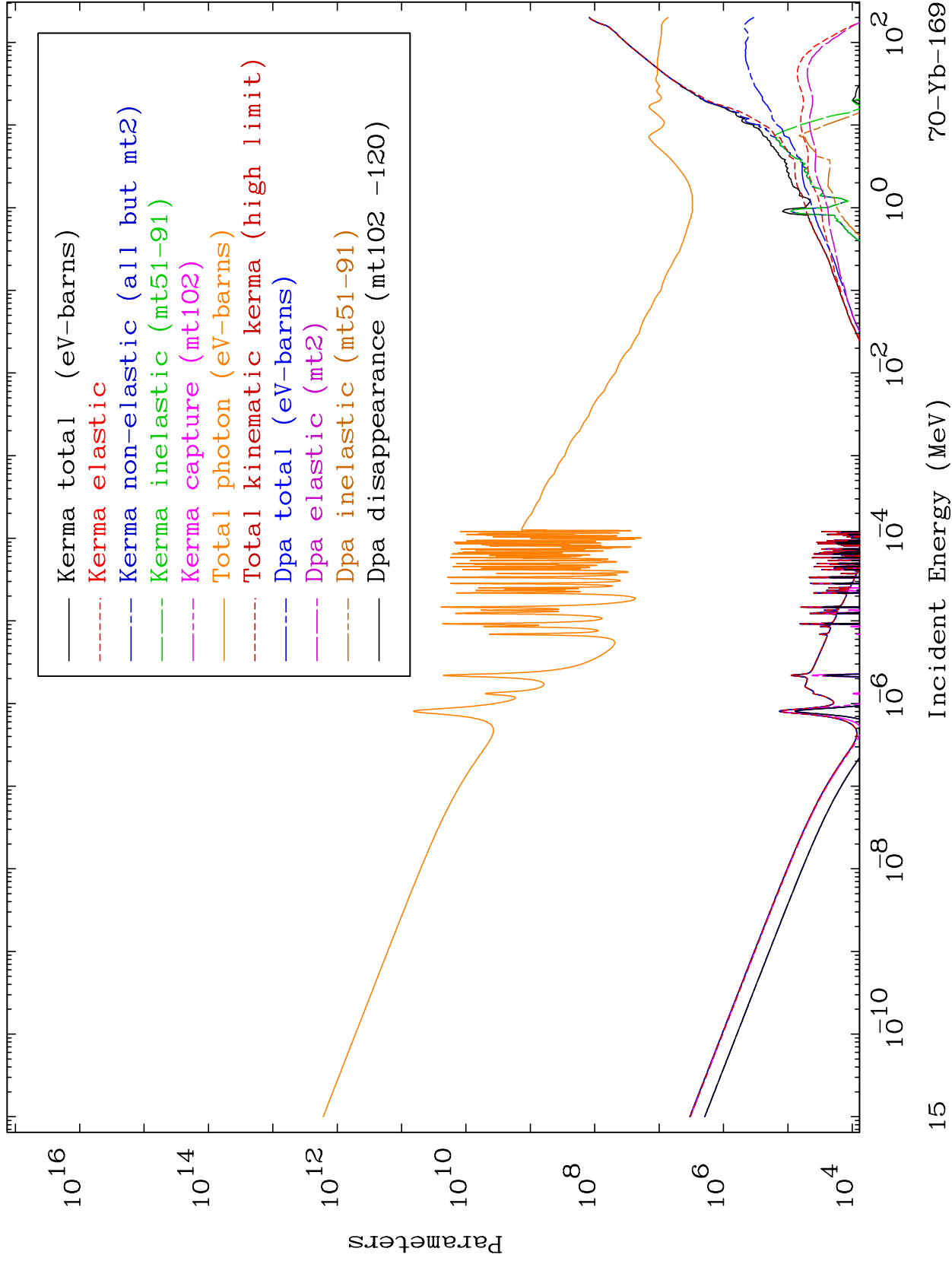
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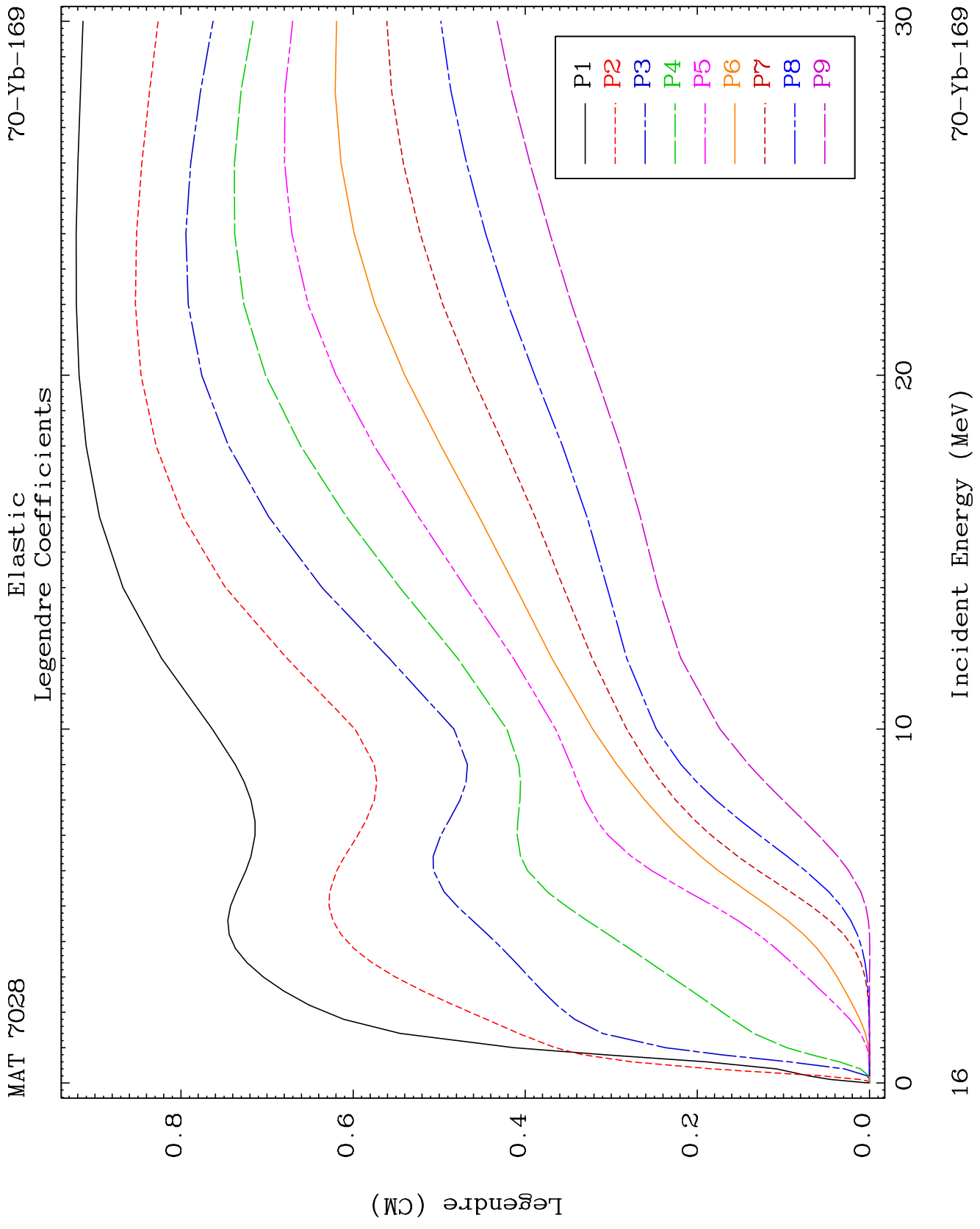
MAT 7028

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-169



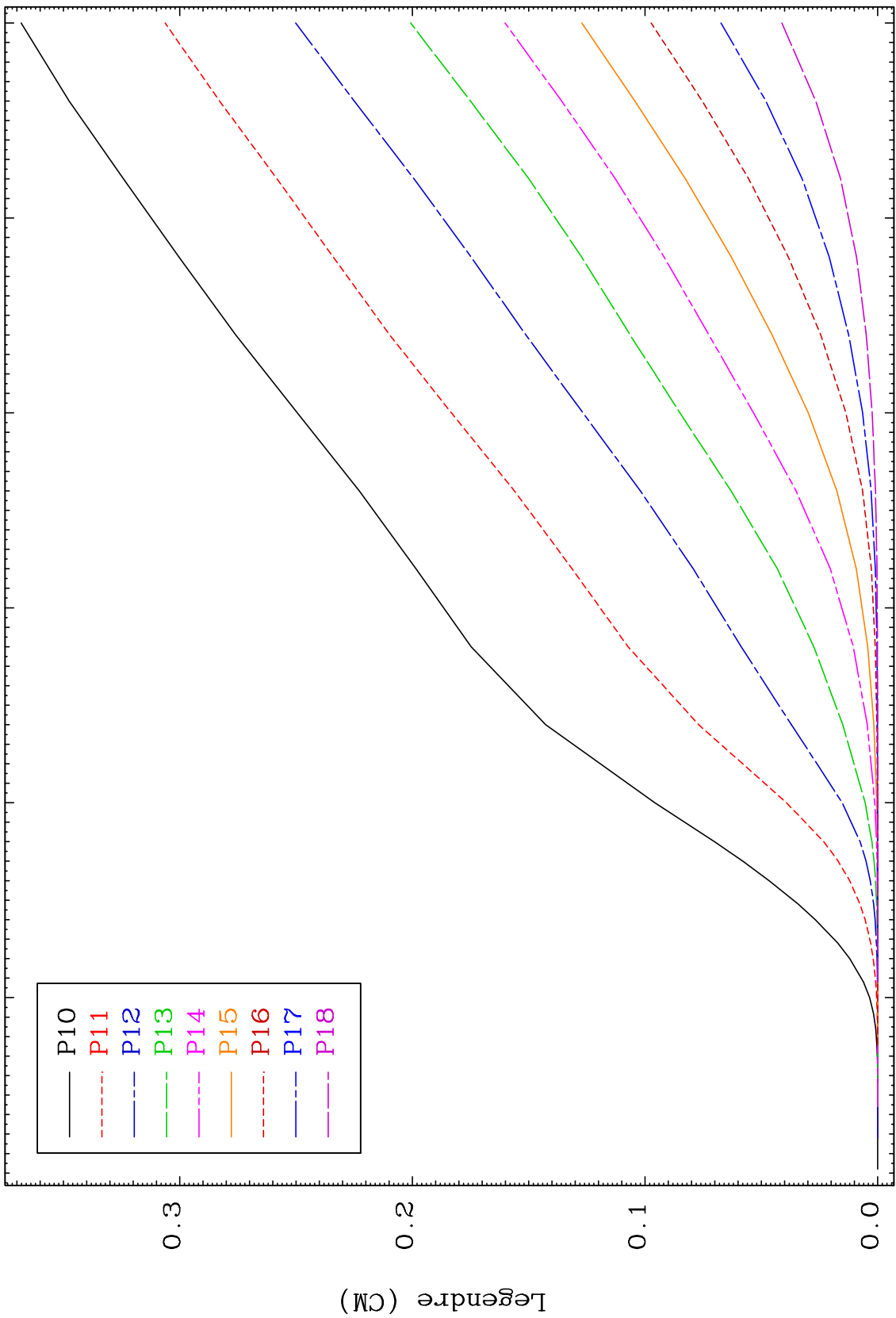




MAT 7028

Elastic Legendre Coefficients

70-Yb-169



17

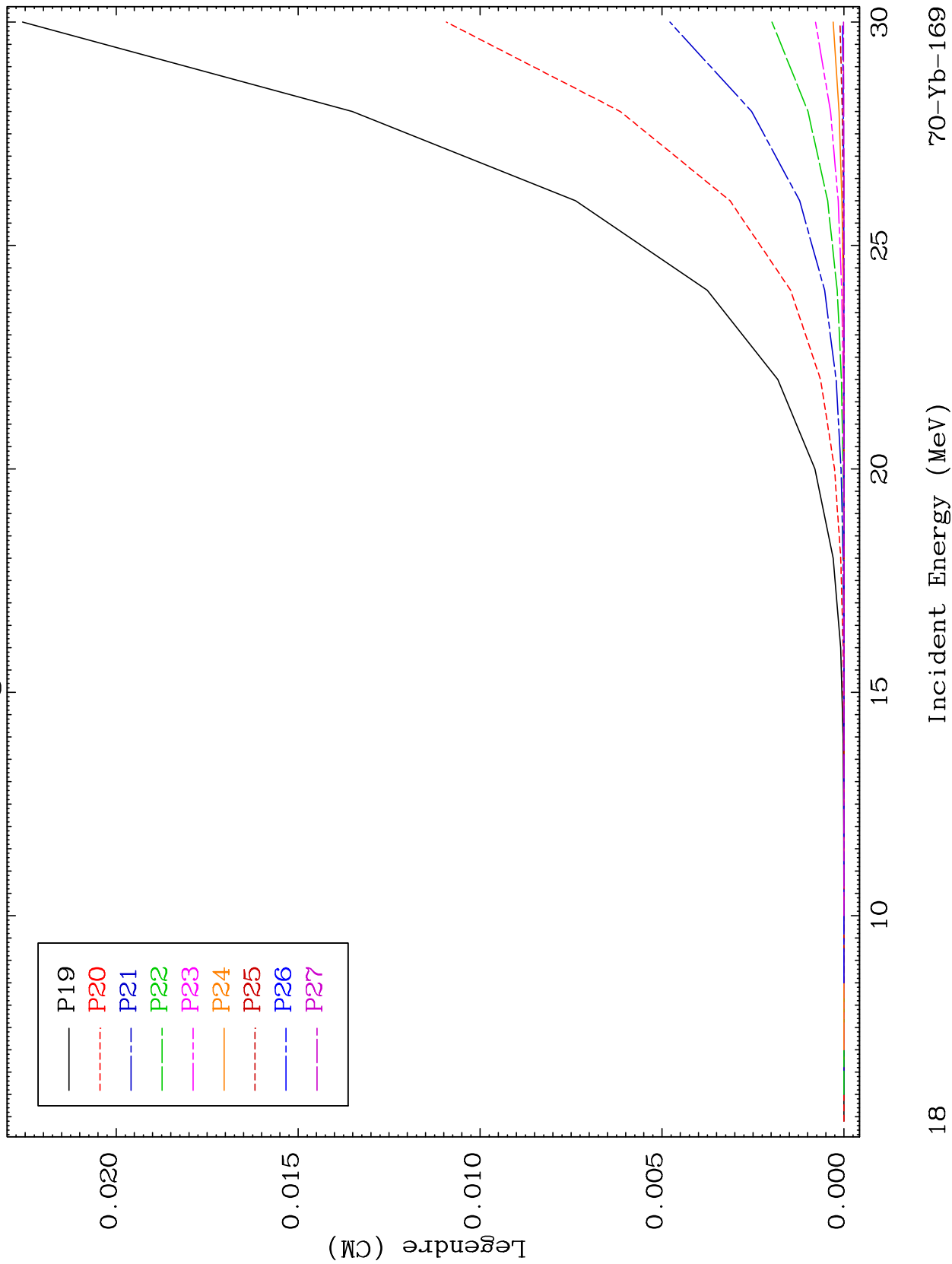
Incident Energy (MeV)

70-Yb-169

MAT 7028

Elastic Legendre Coefficients

70-Yb-169



18

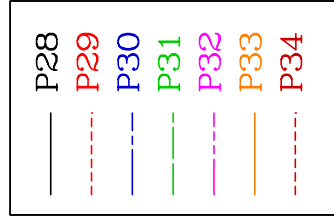
Incident Energy (MeV)

70-Yb-169

MAT 7028

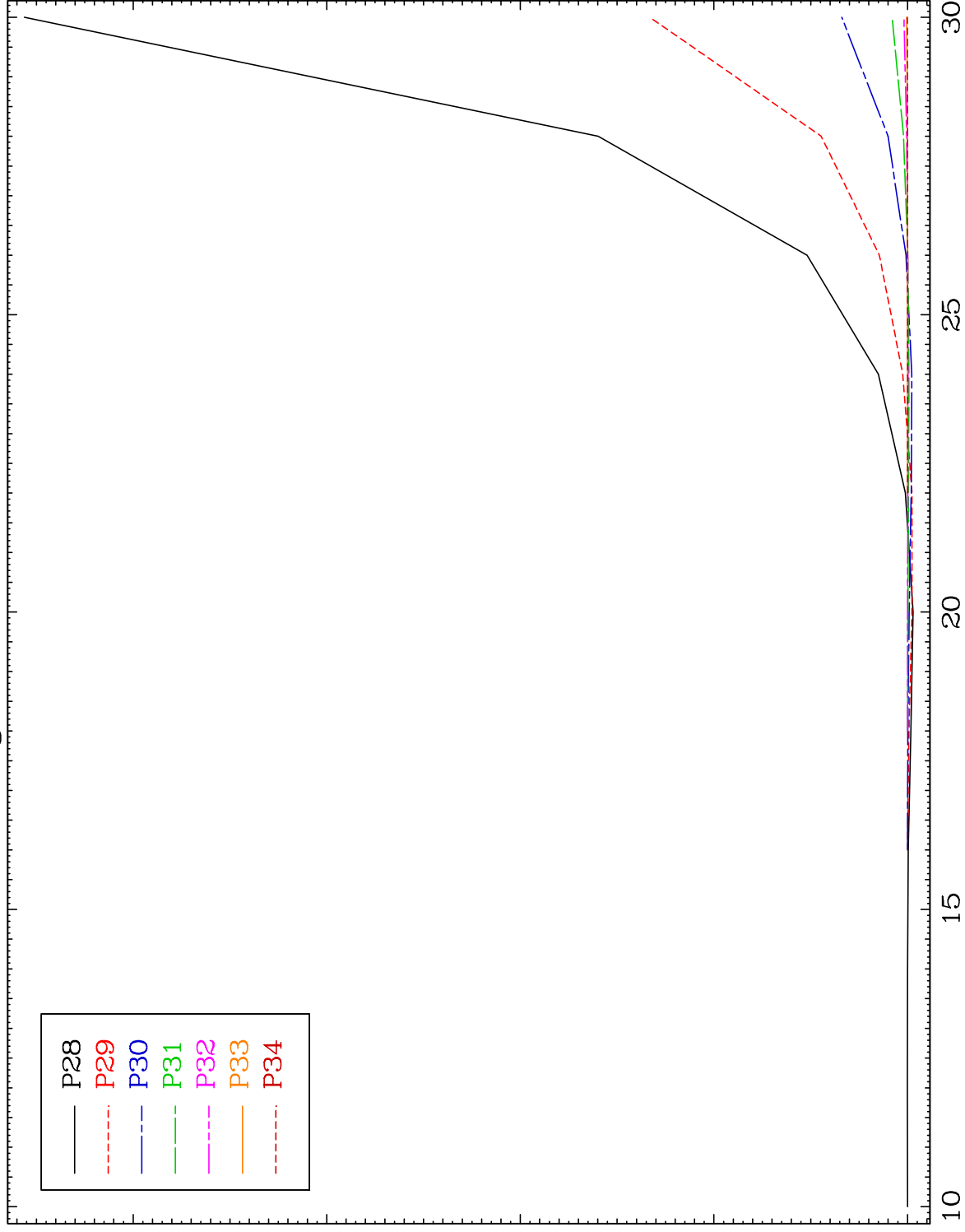
Elastic
Legendre Coefficients

70-Yb-169



$\times 10^{-6}$

Legendre (CM)



10

15

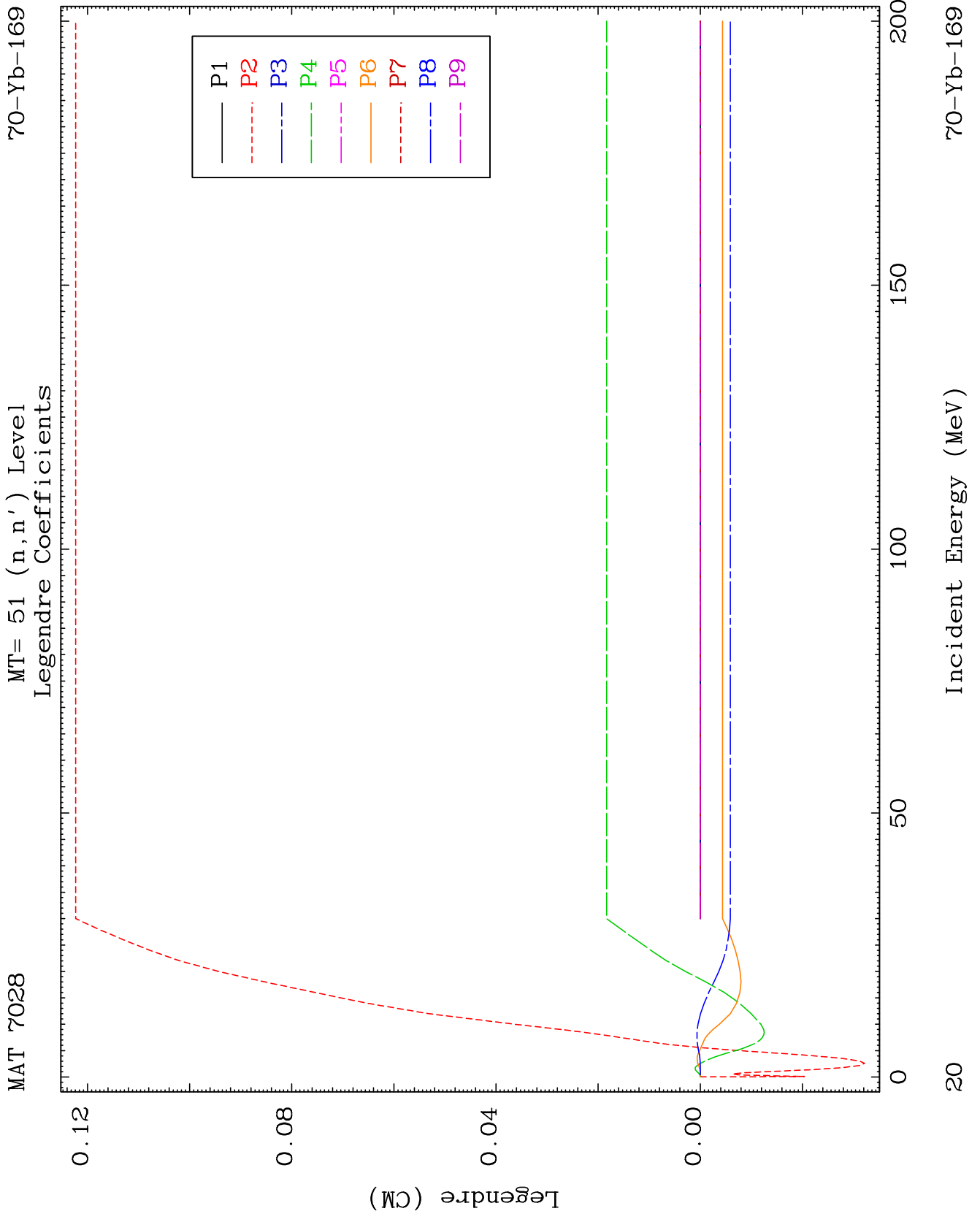
20

25

30

Incident Energy (MeV)

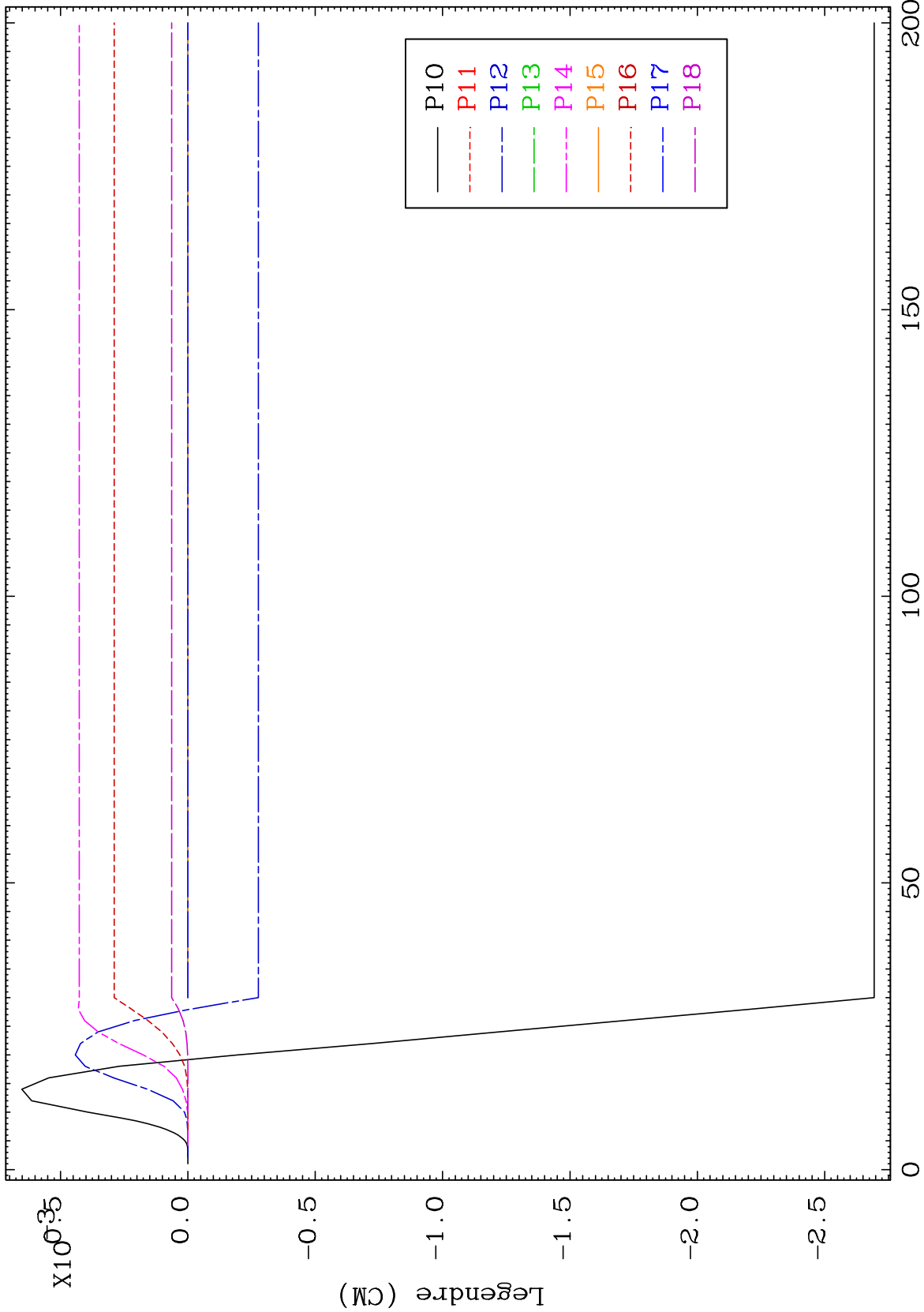
70-Yb-169



MAT 7028

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

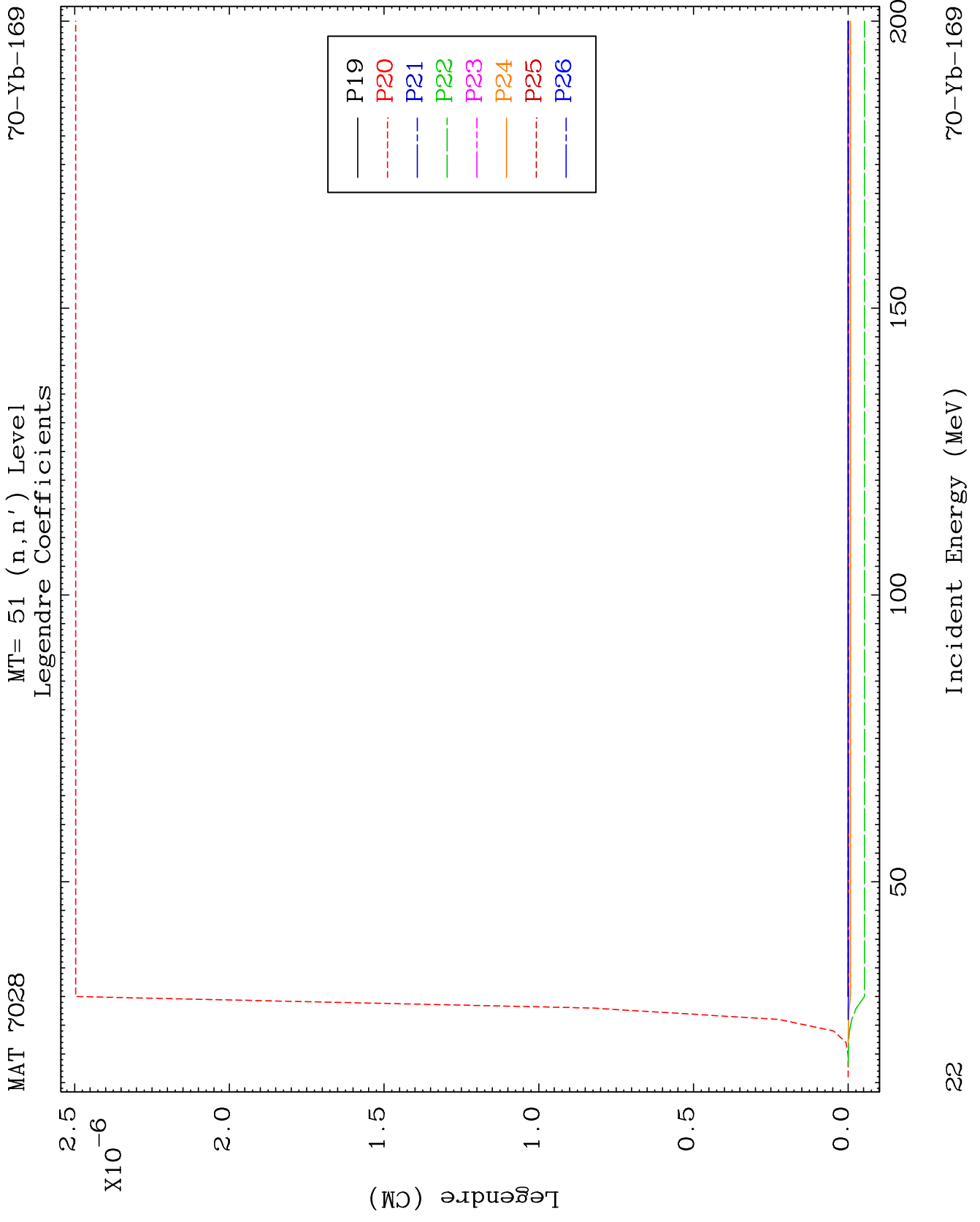
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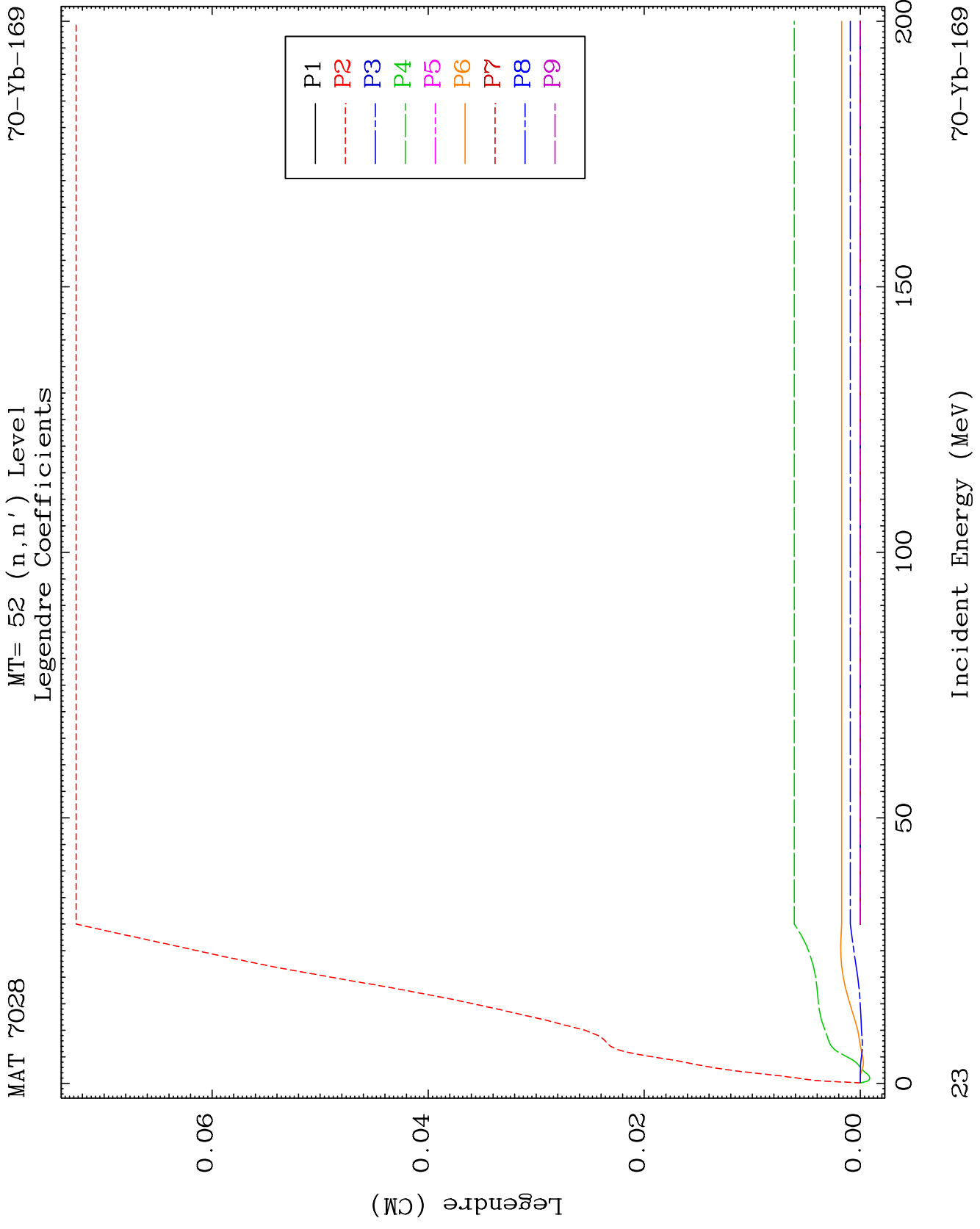


21

Incident Energy (MeV)

70-Yb-169

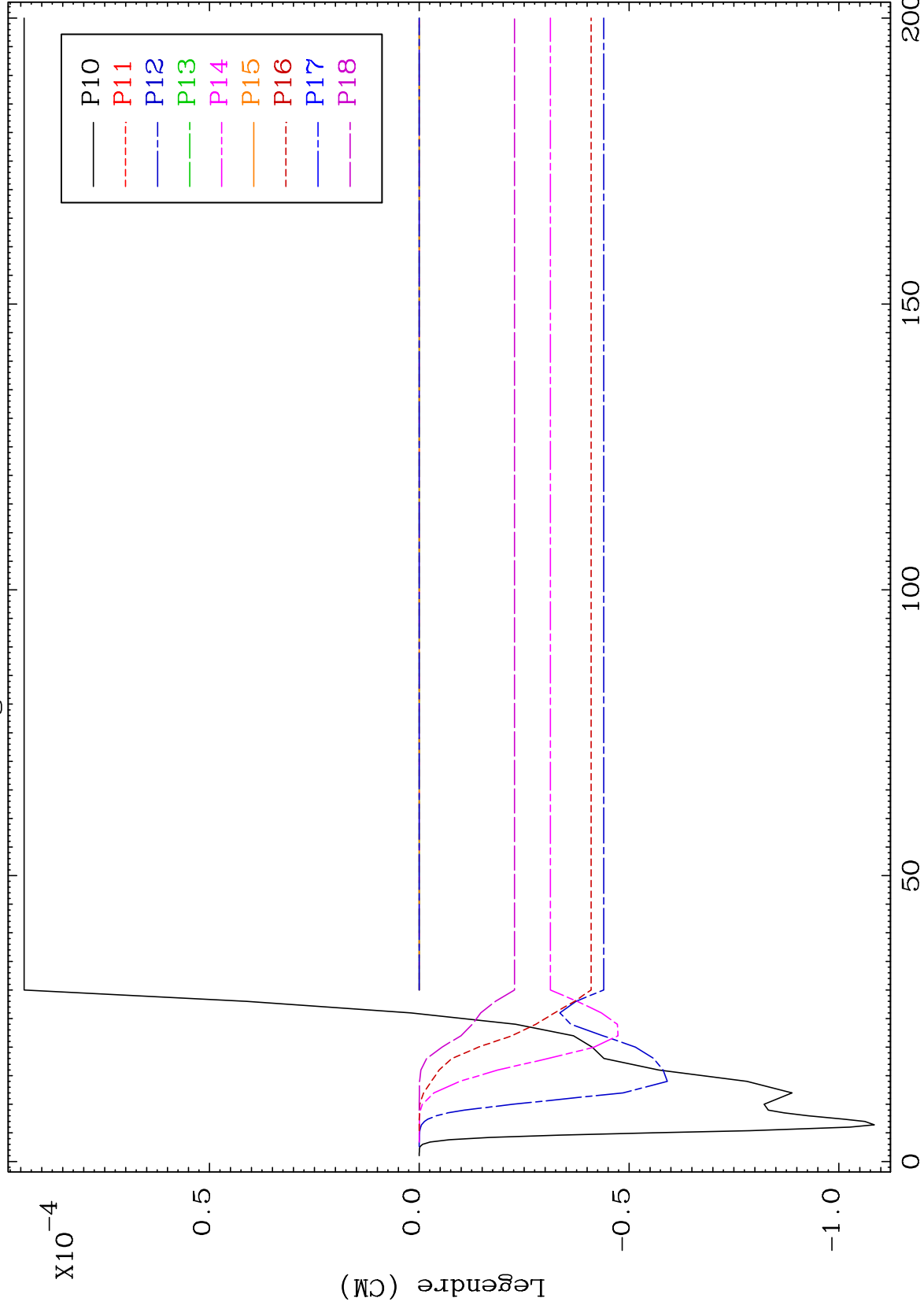




MAT 7028

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

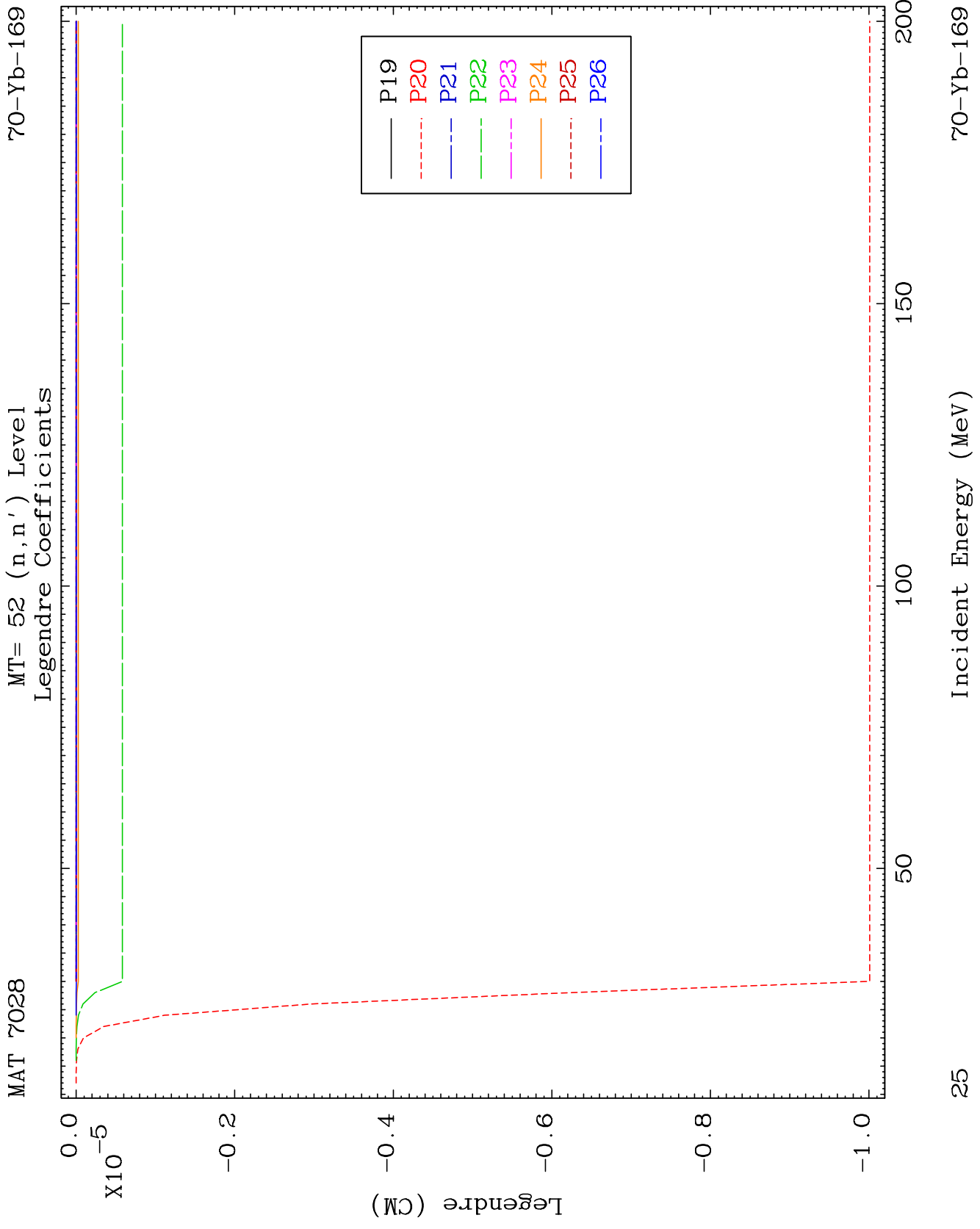
70-Yb-169

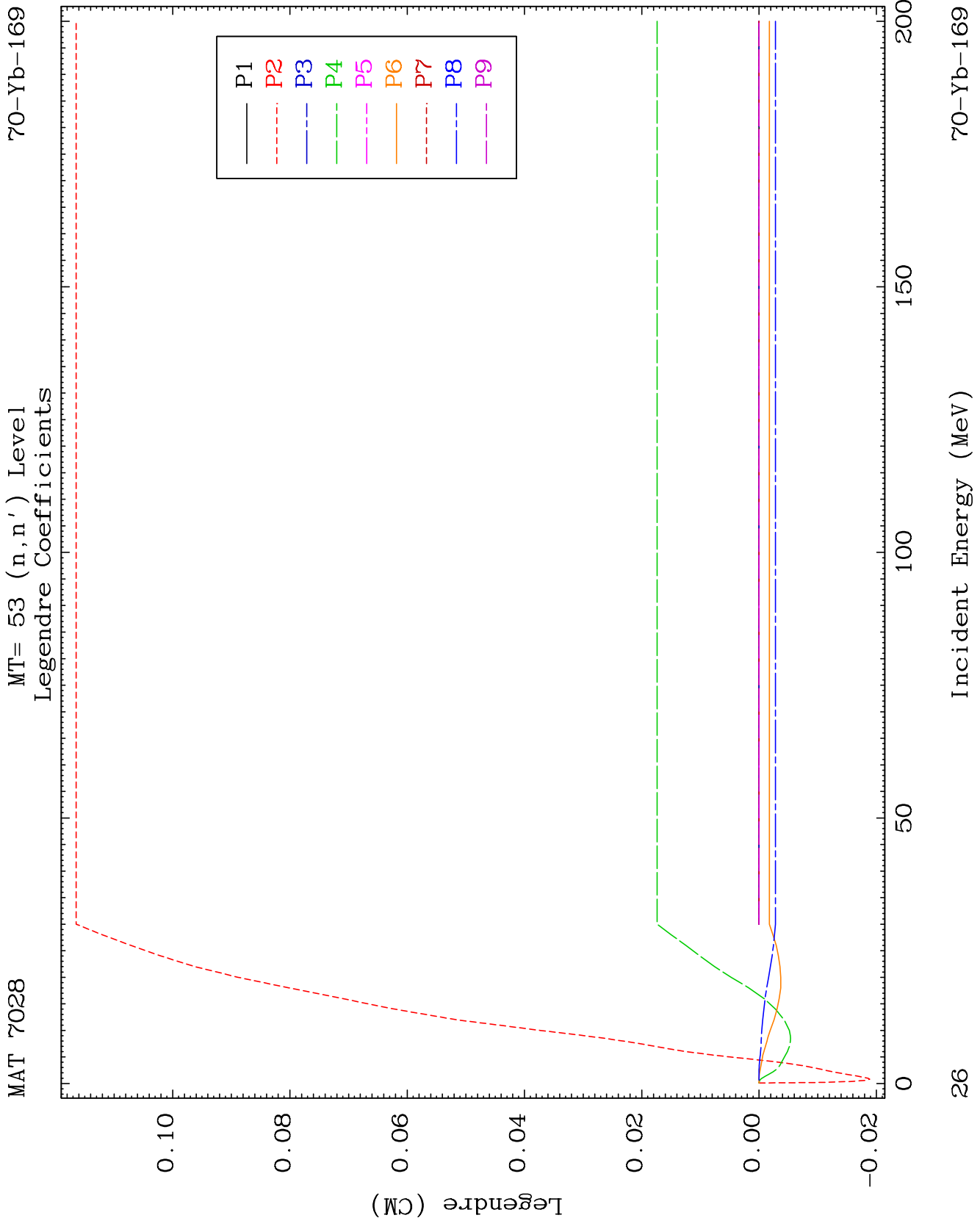


24

Incident Energy (MeV)

70-Yb-169

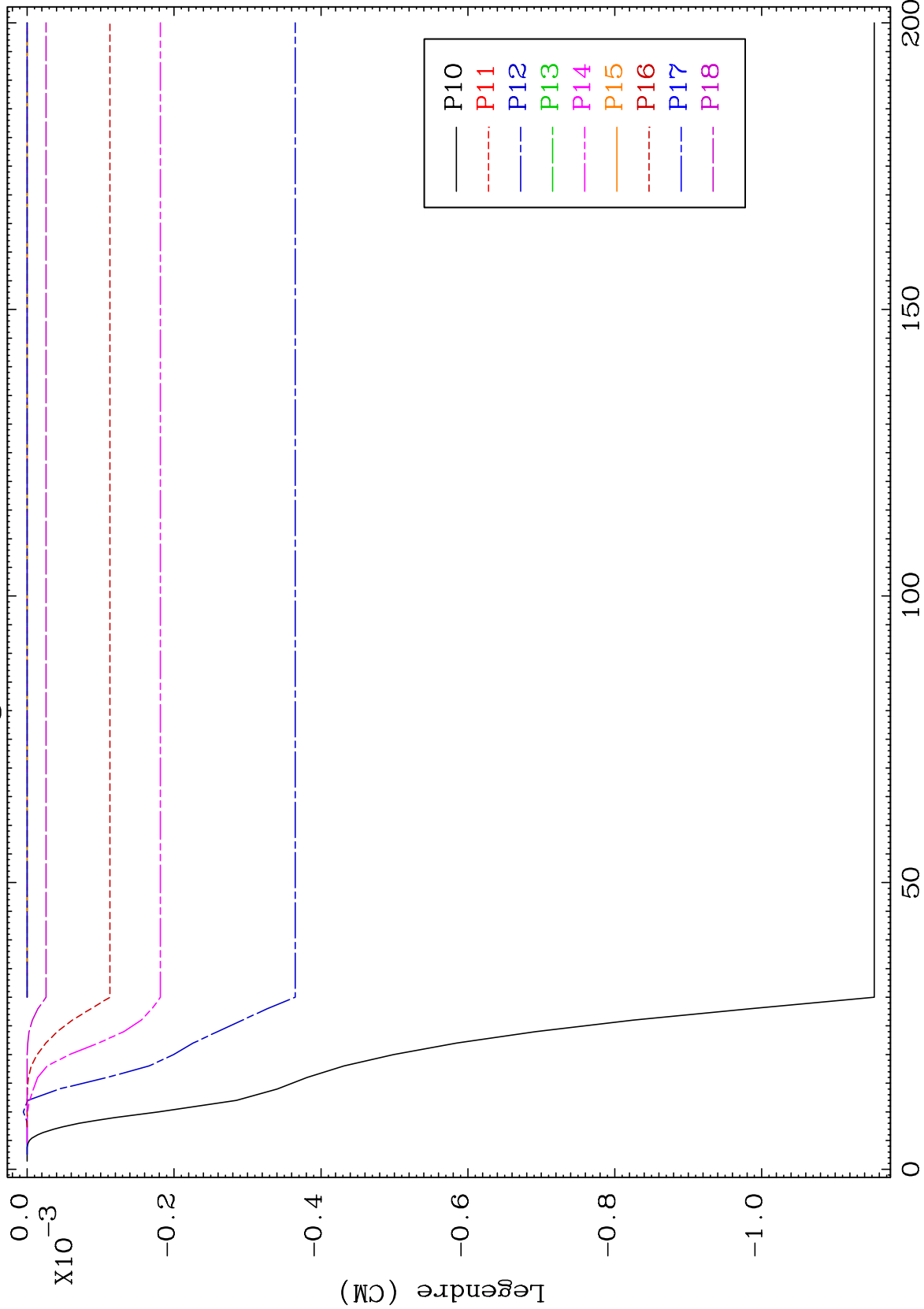




MAT 7028

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

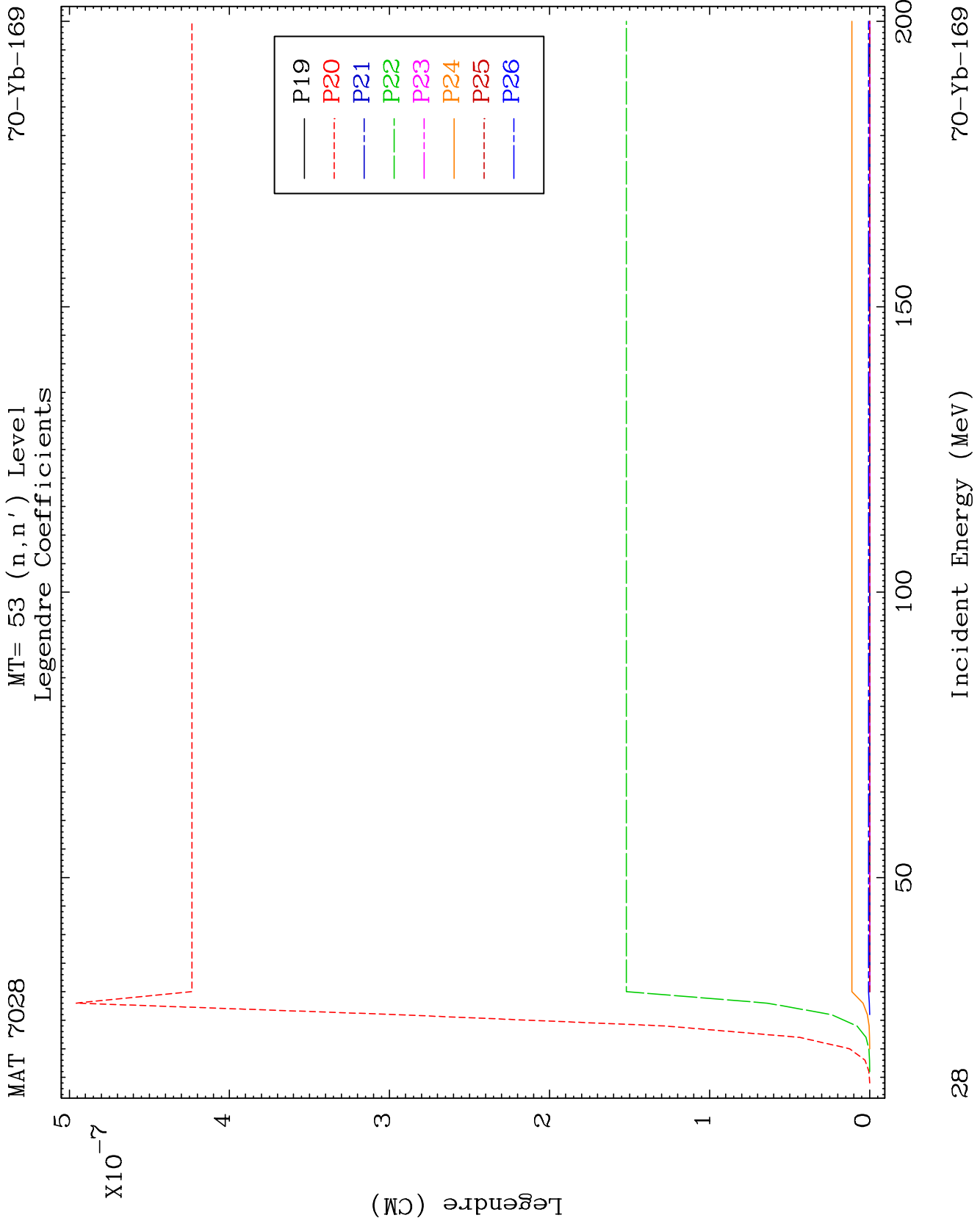
70-Yb-169

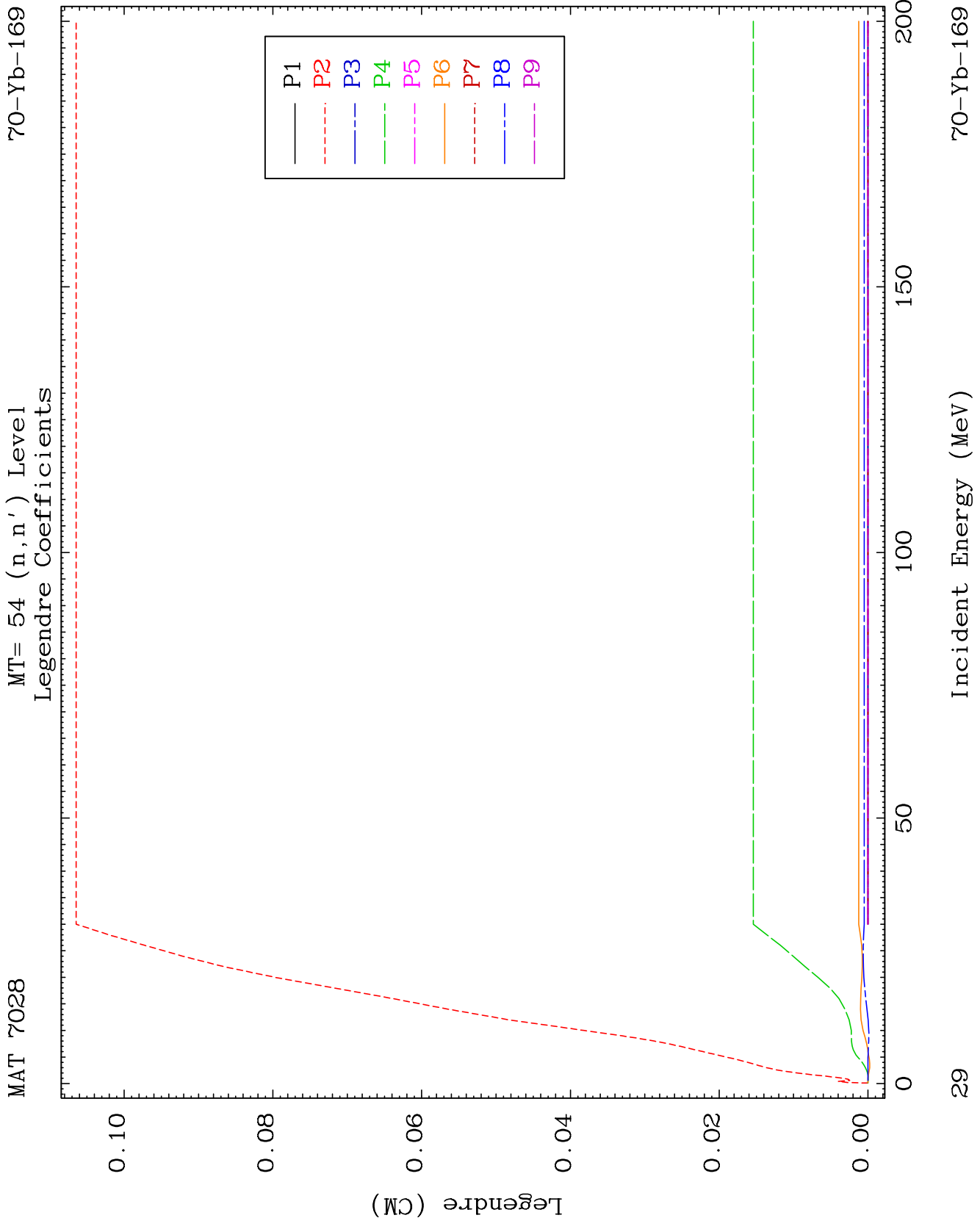


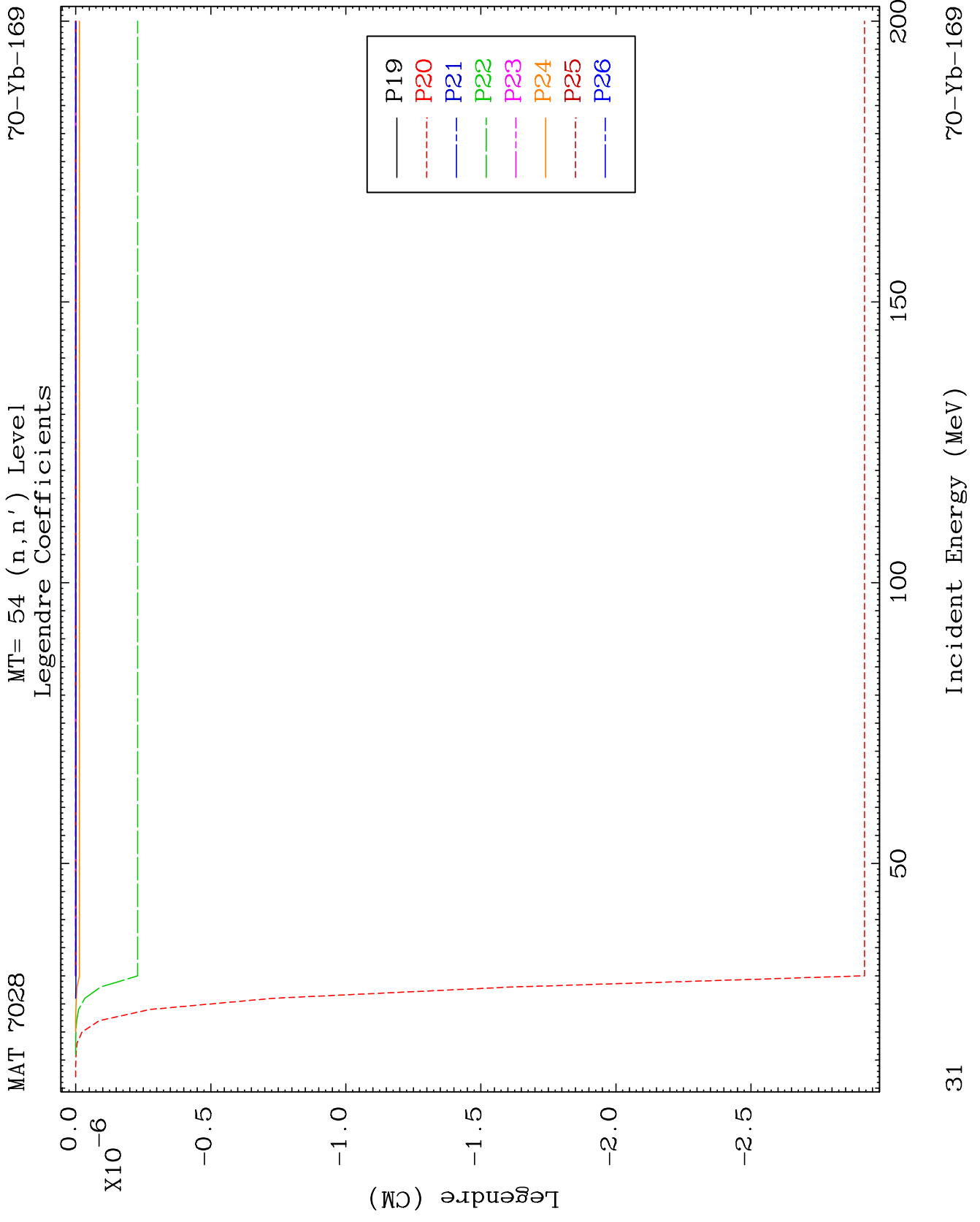
27

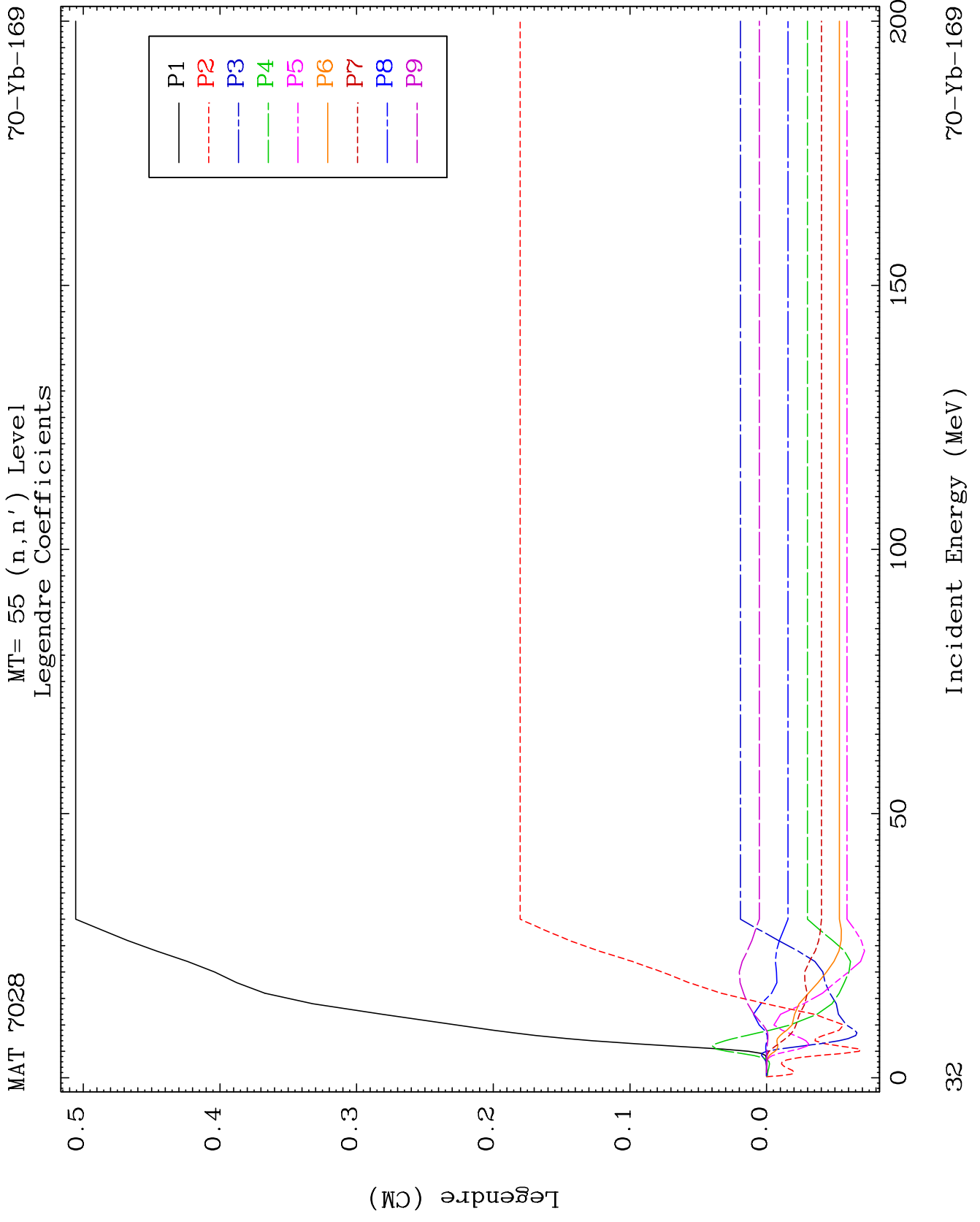
Incident Energy (MeV)

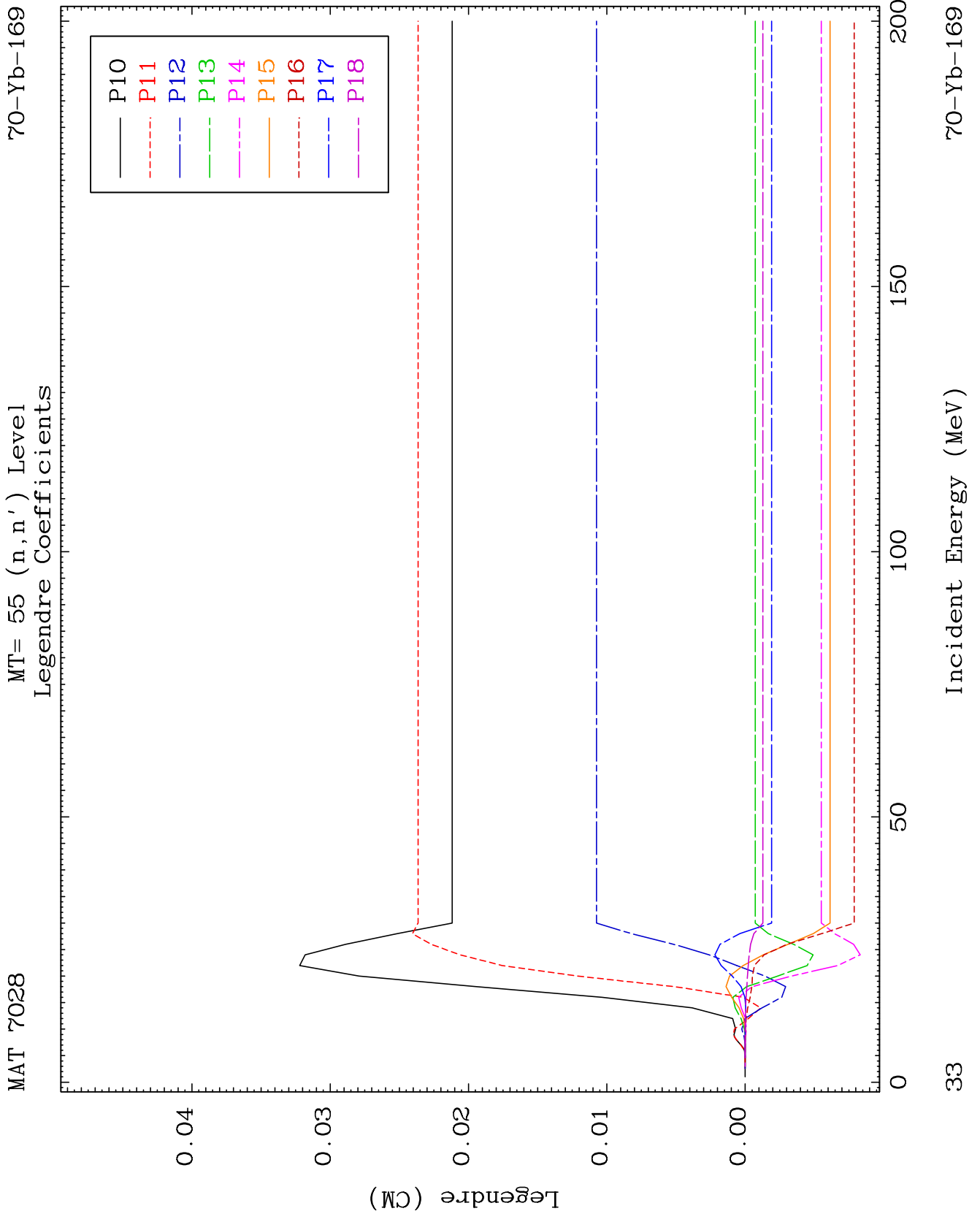
70-Yb-169







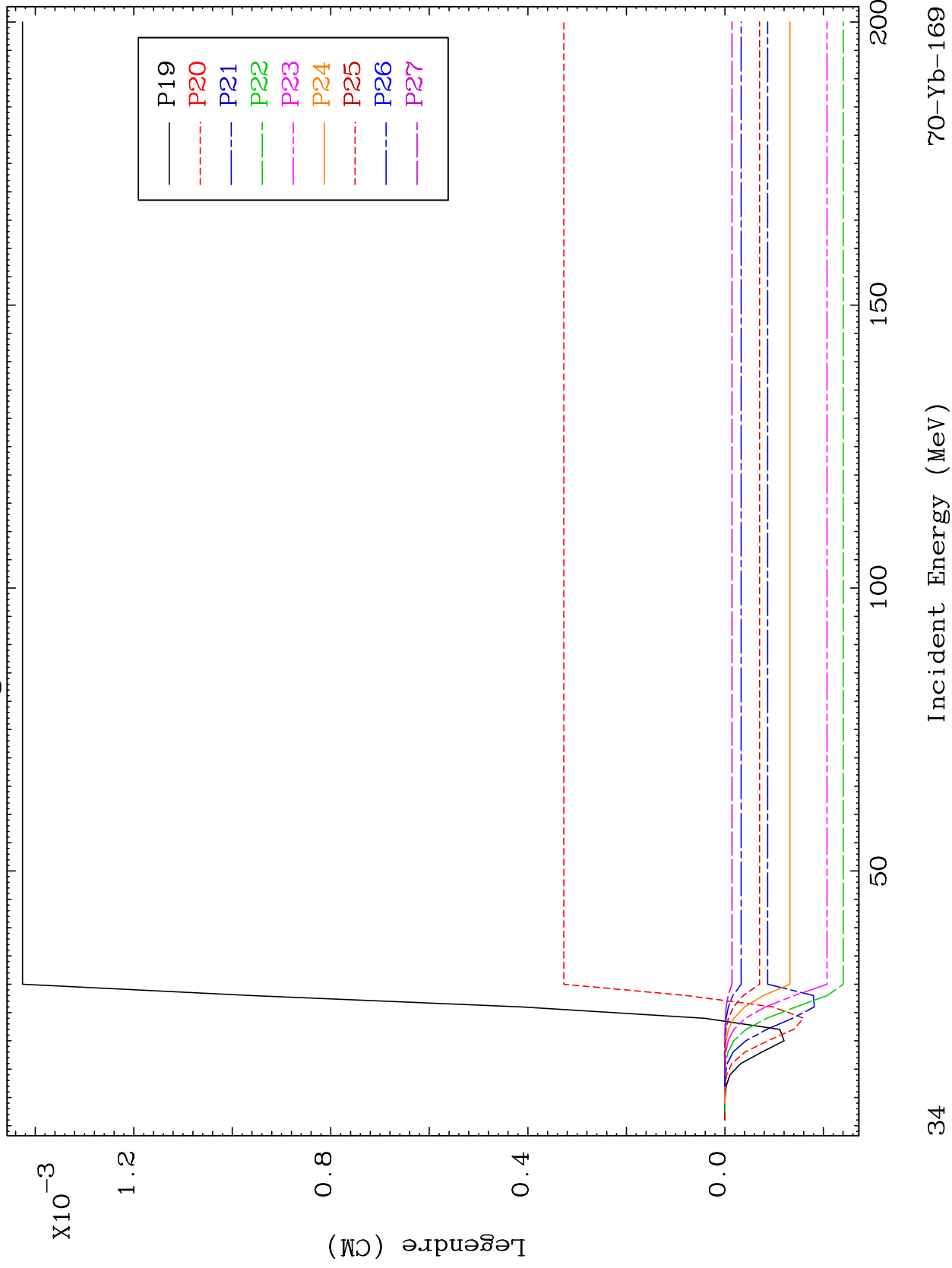




MAT 7028

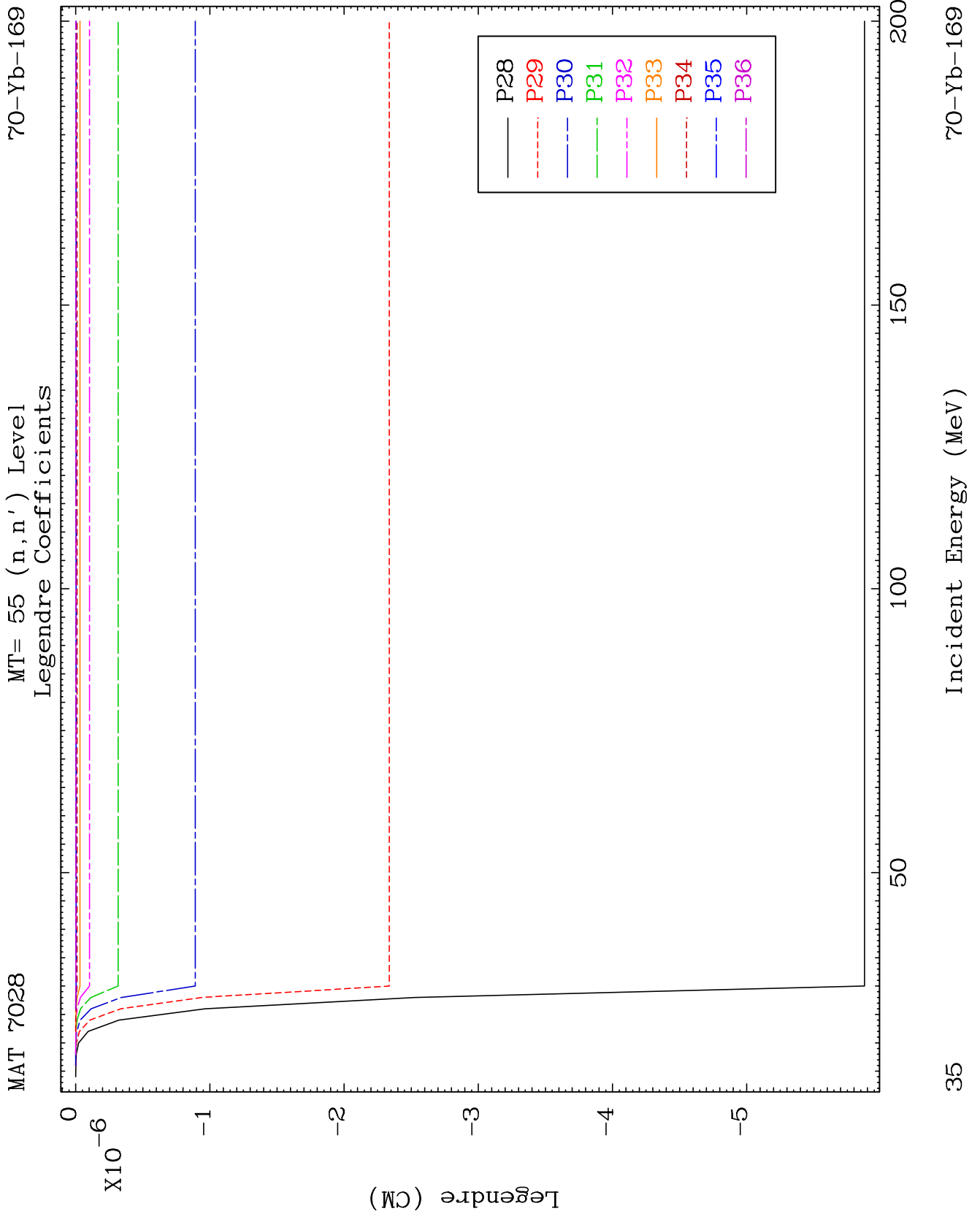
MT= 55 (n,n') Level
Legendre Coefficients

70-Yb-169



34

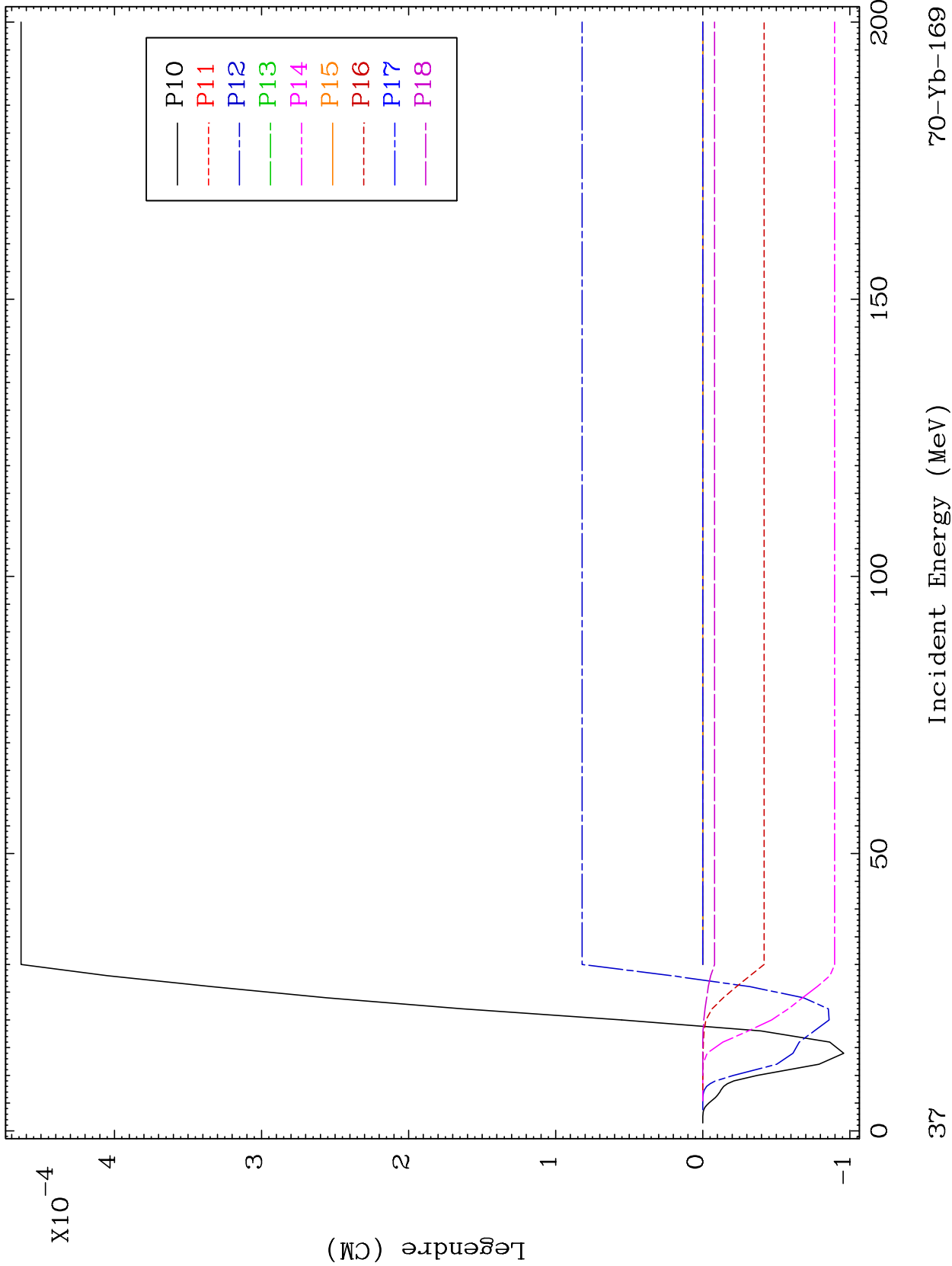
70-Yb-169



MAT 7028

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

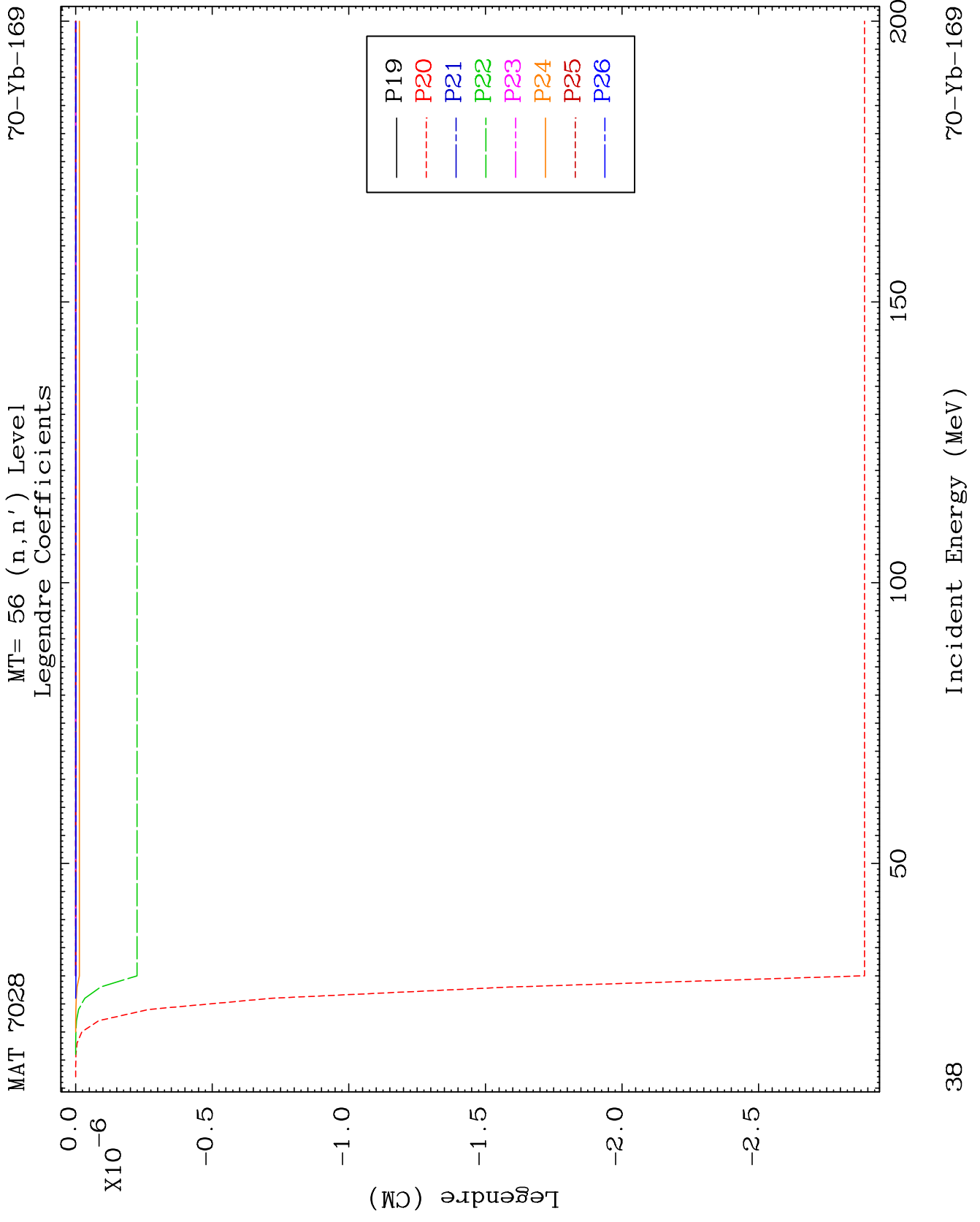
70-Yb-169

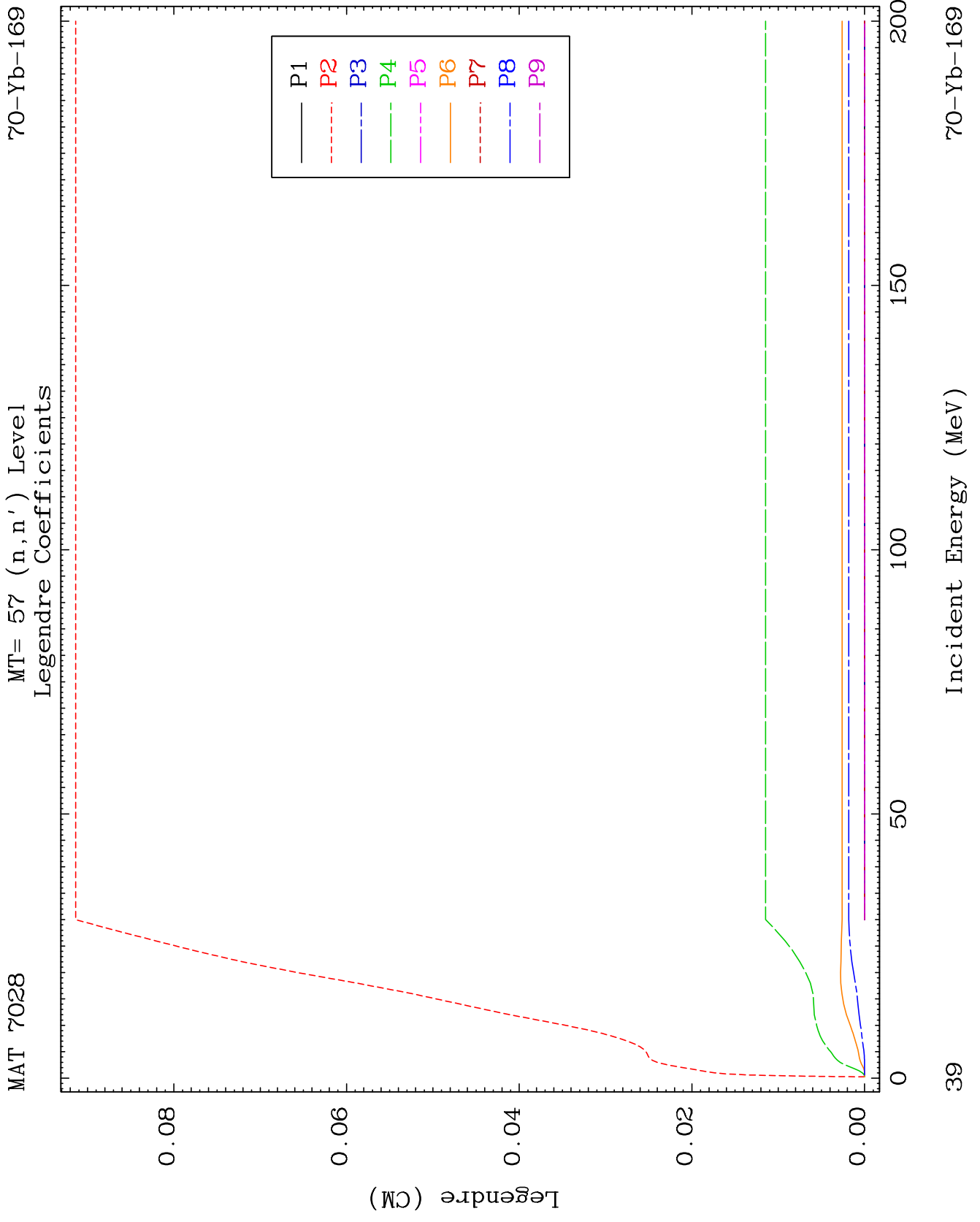


70-Yb-169

Incident Energy (MeV)

37

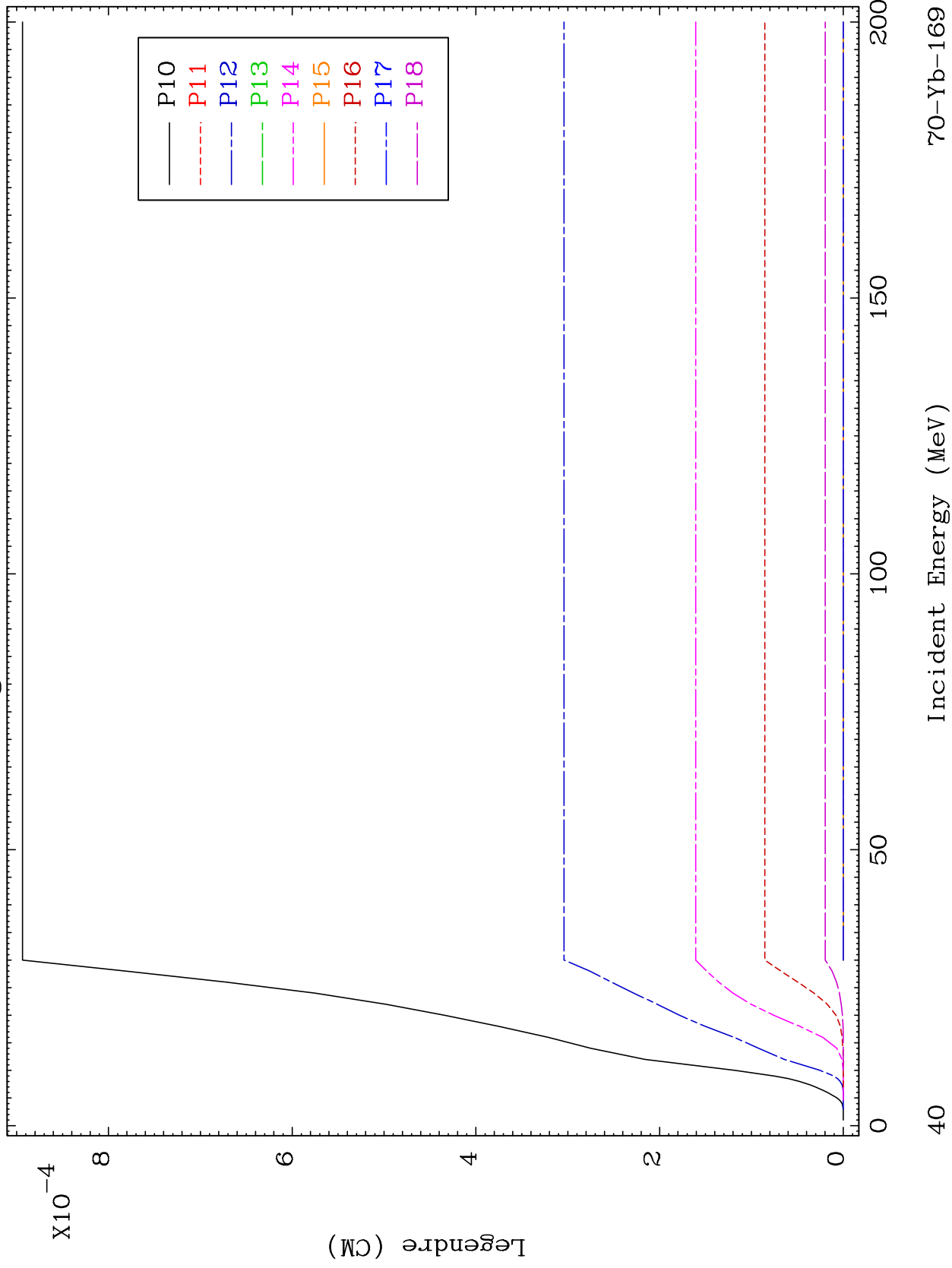


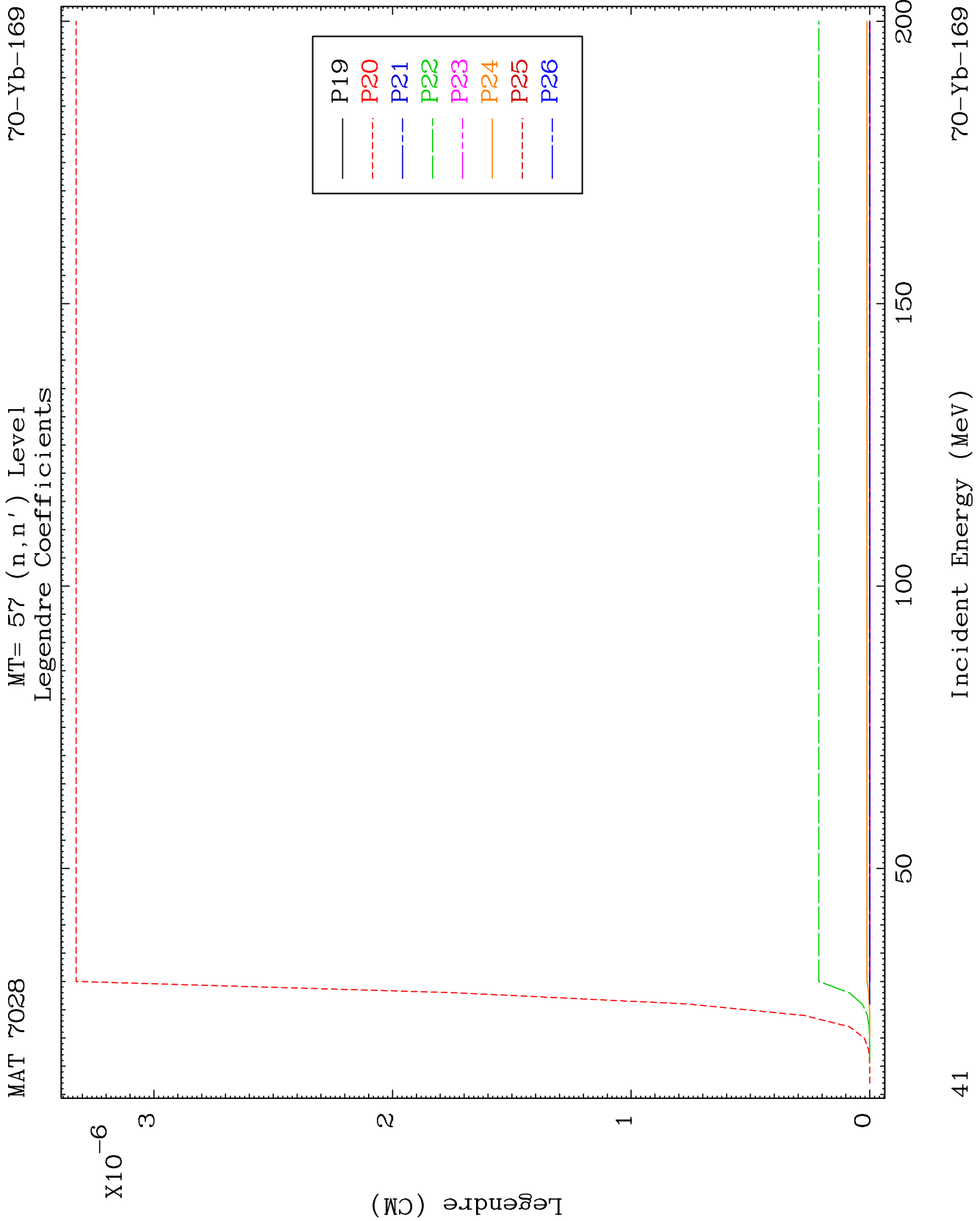


MAT 7028

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

70-Yb-169

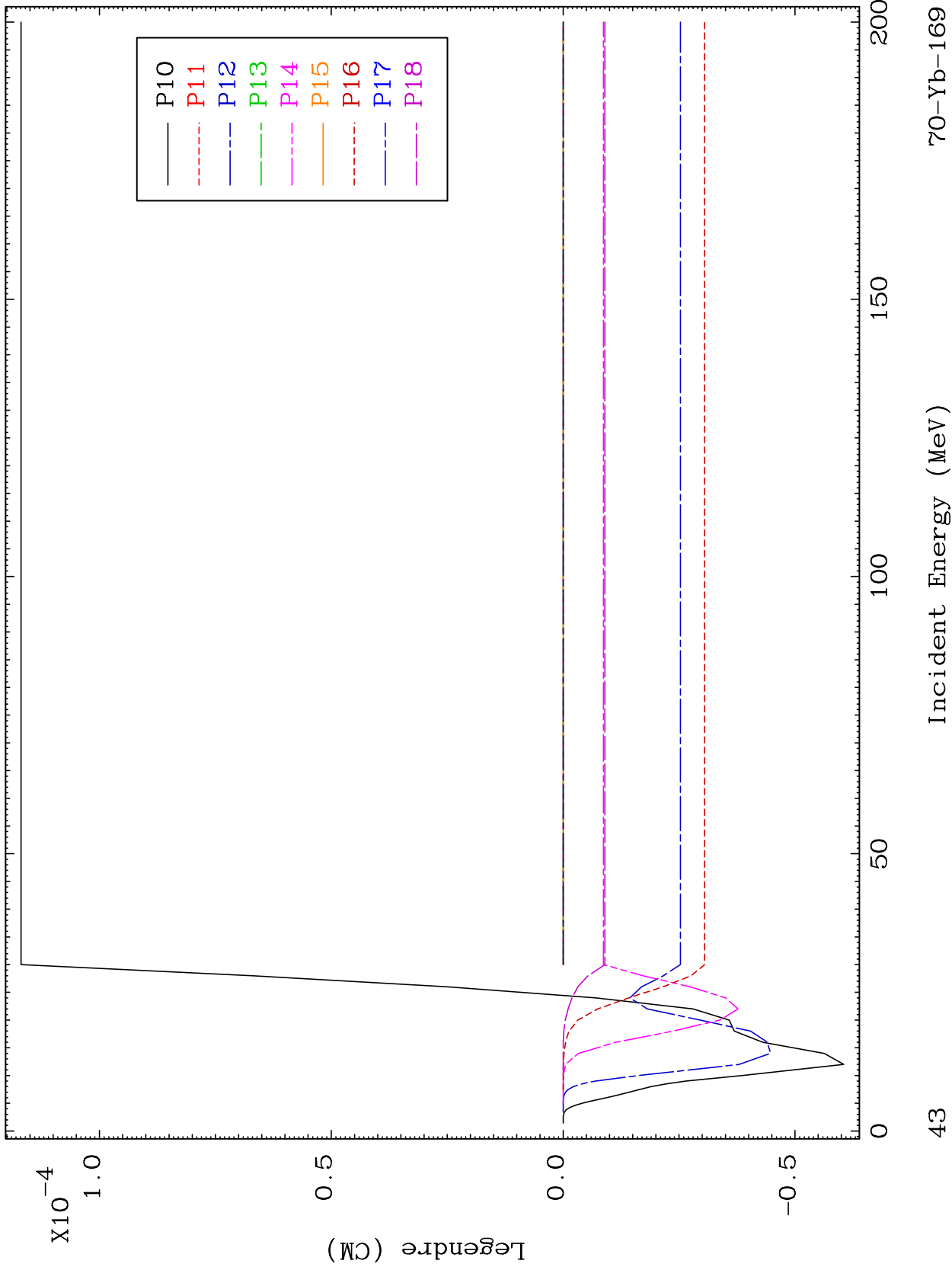




MAT 7028

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

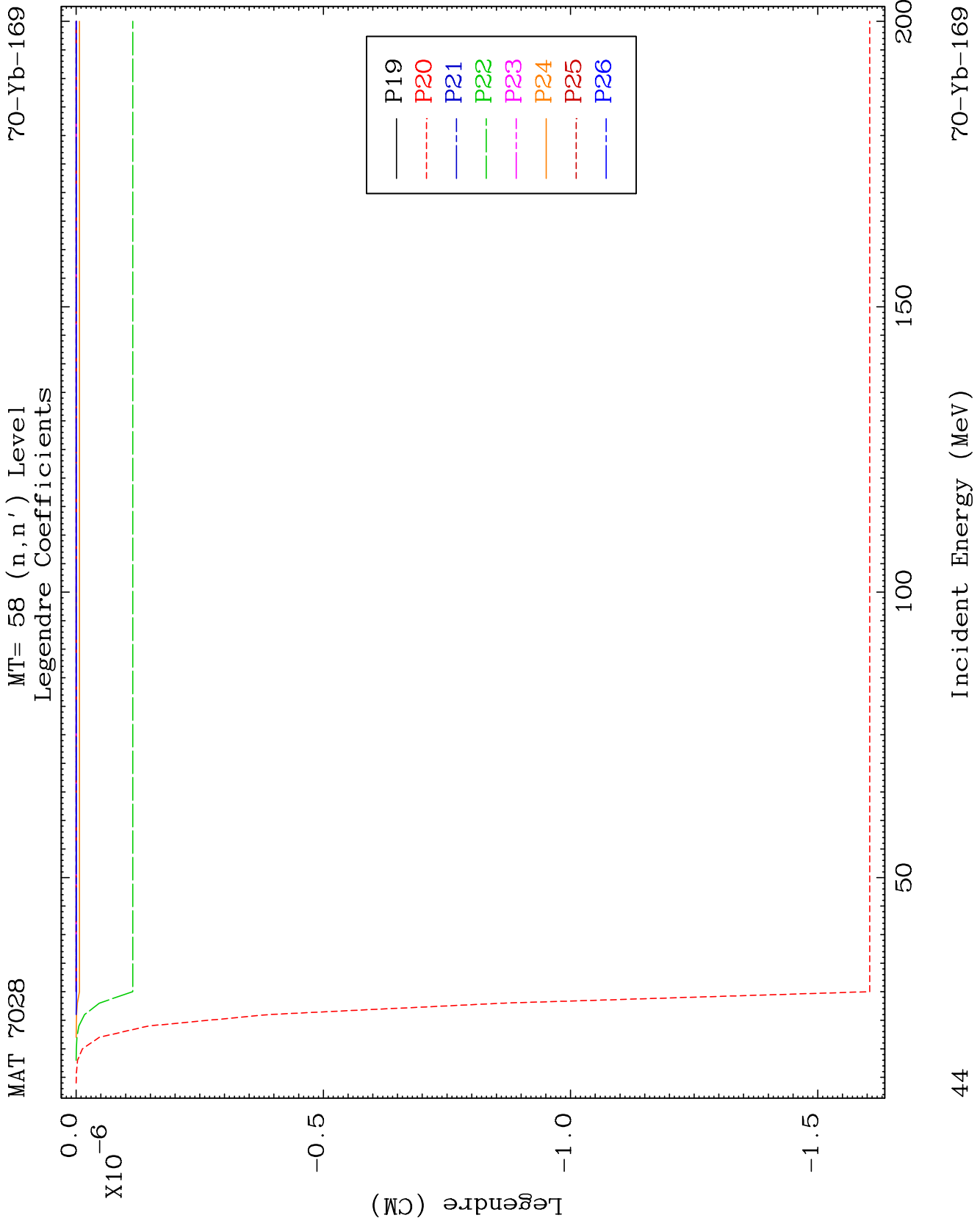
70-Yb-169



70-Yb-169

Incident Energy (MeV)

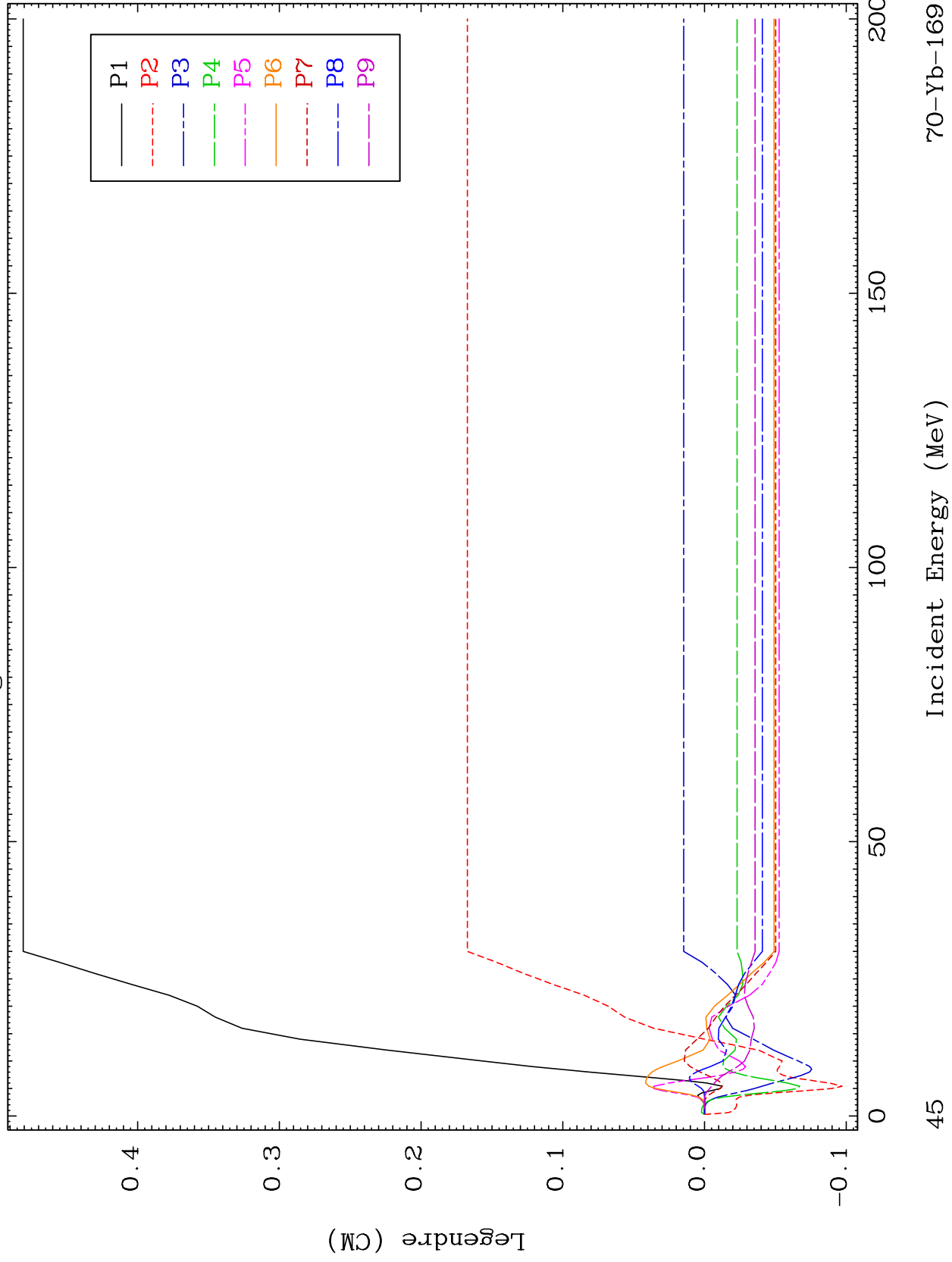
43



MAT 7028

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

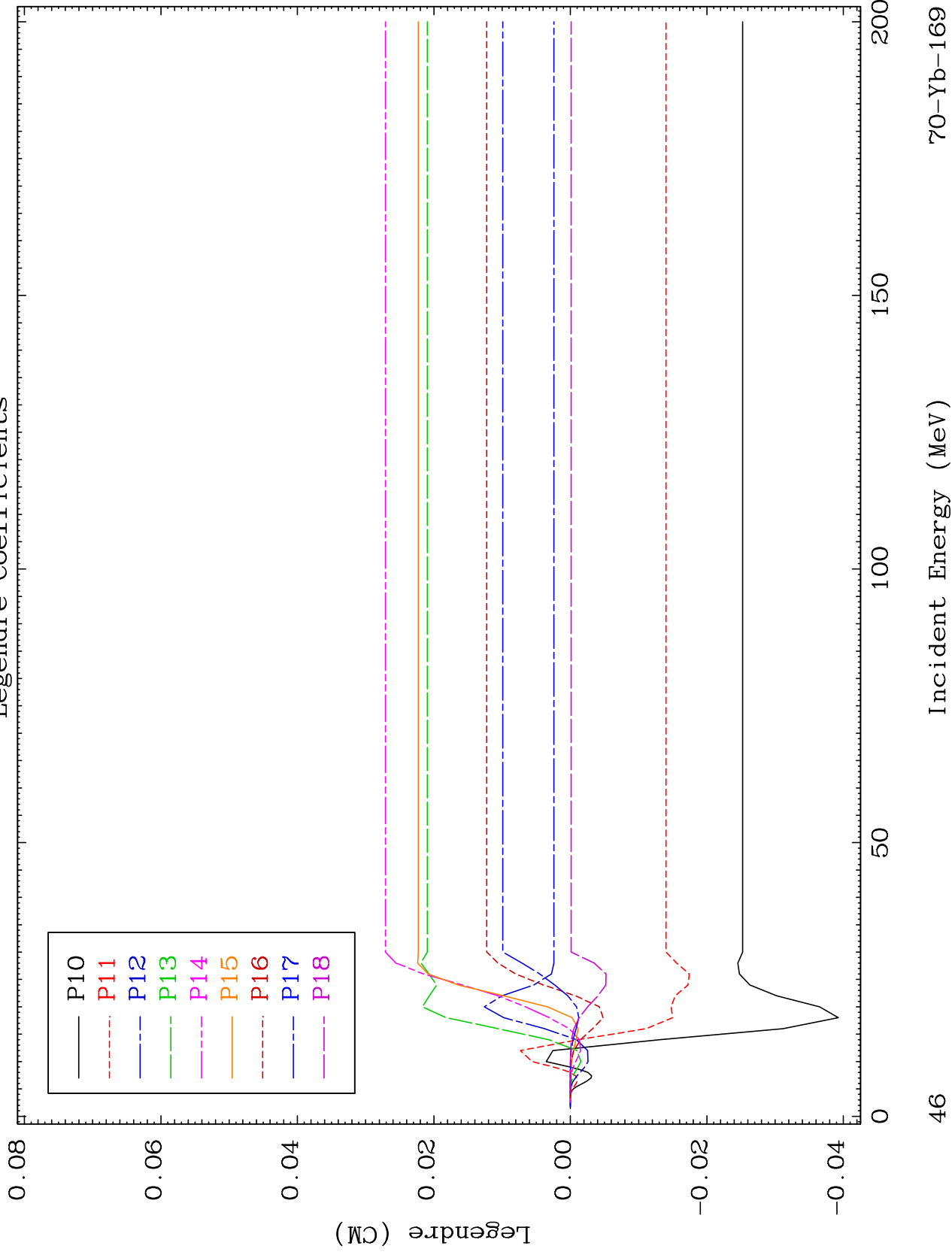
70-Yb-169



MAT 7028

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

70-Yb-169



46

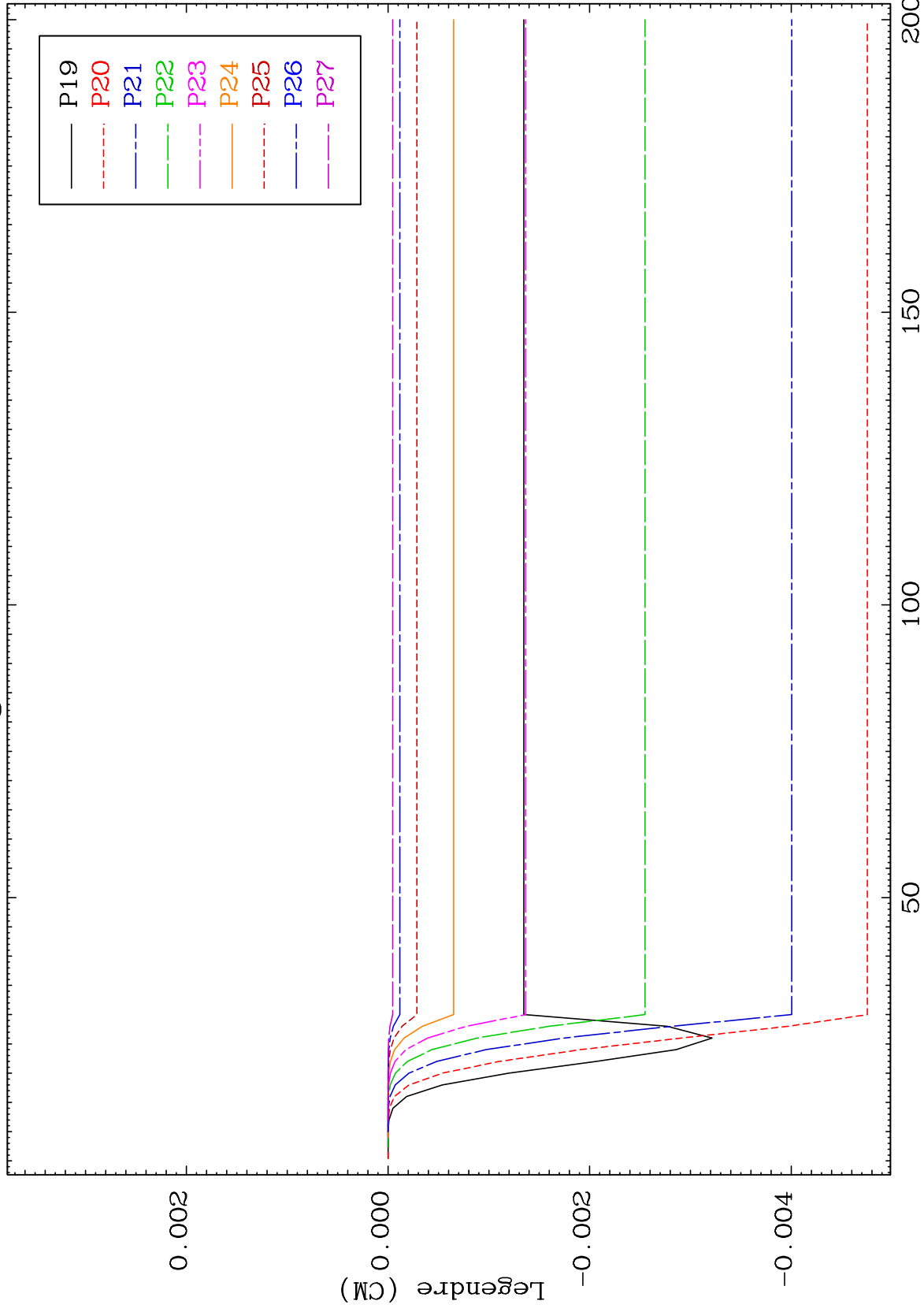
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

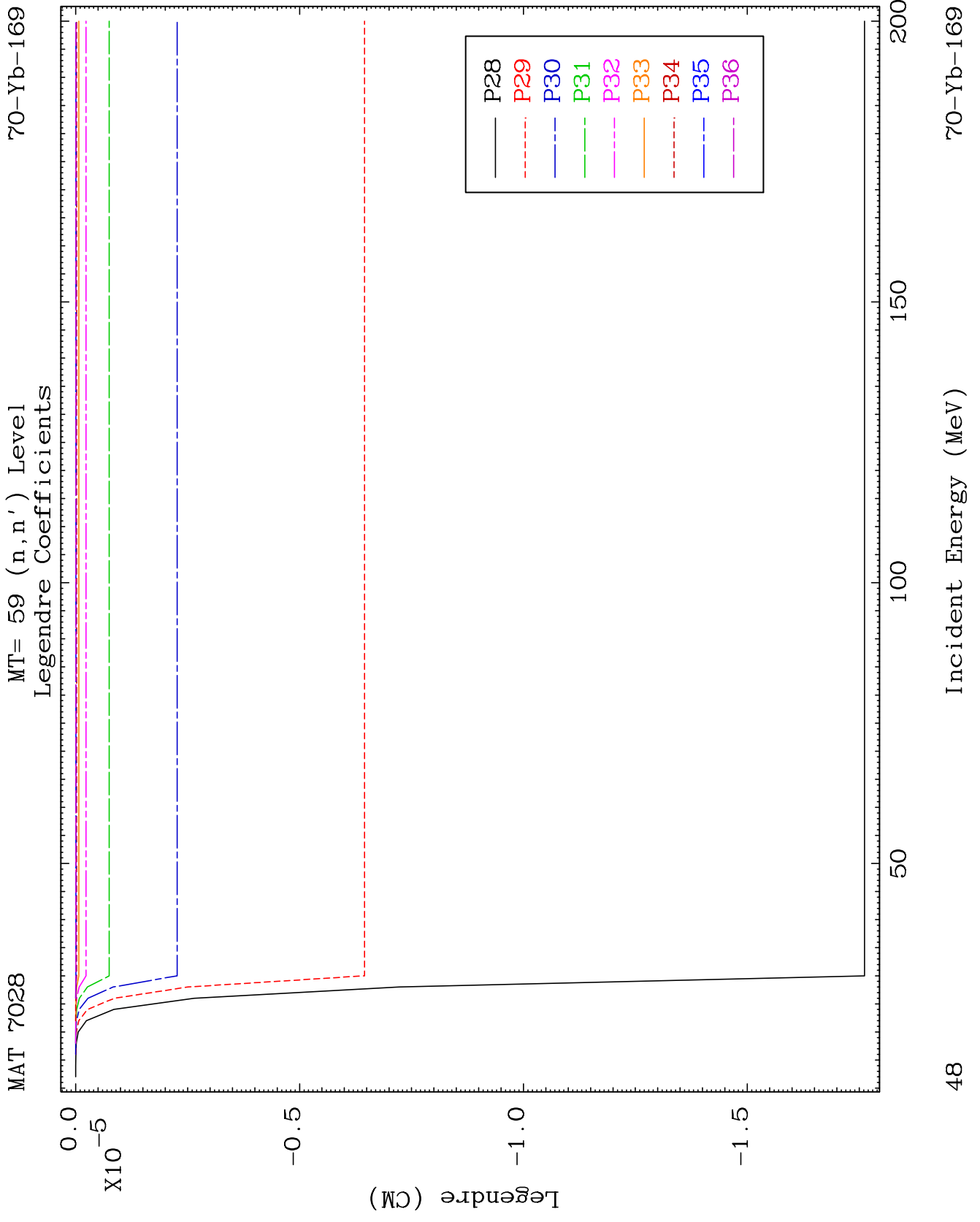
70-Yb-169



47

Incident Energy (MeV)

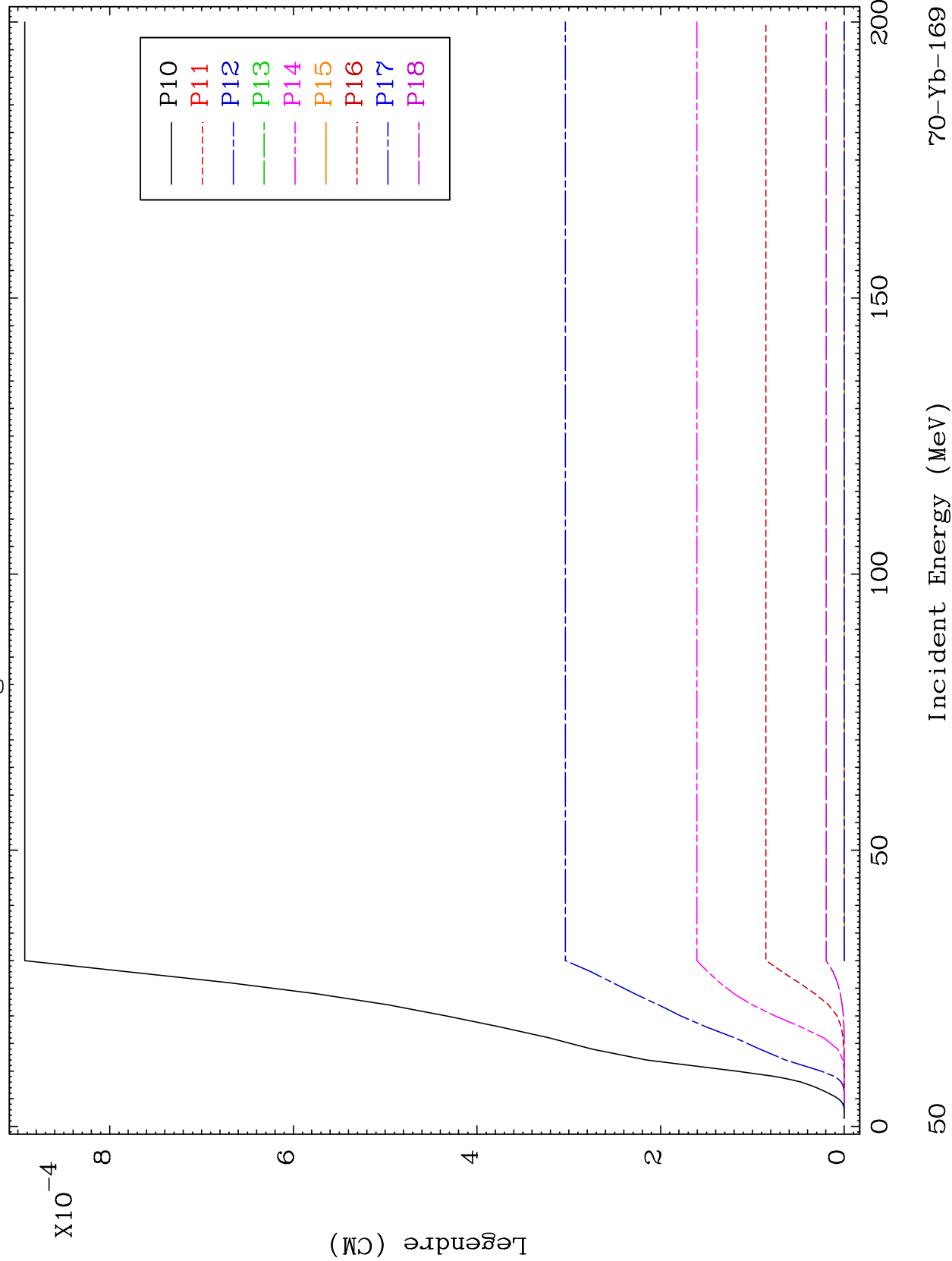
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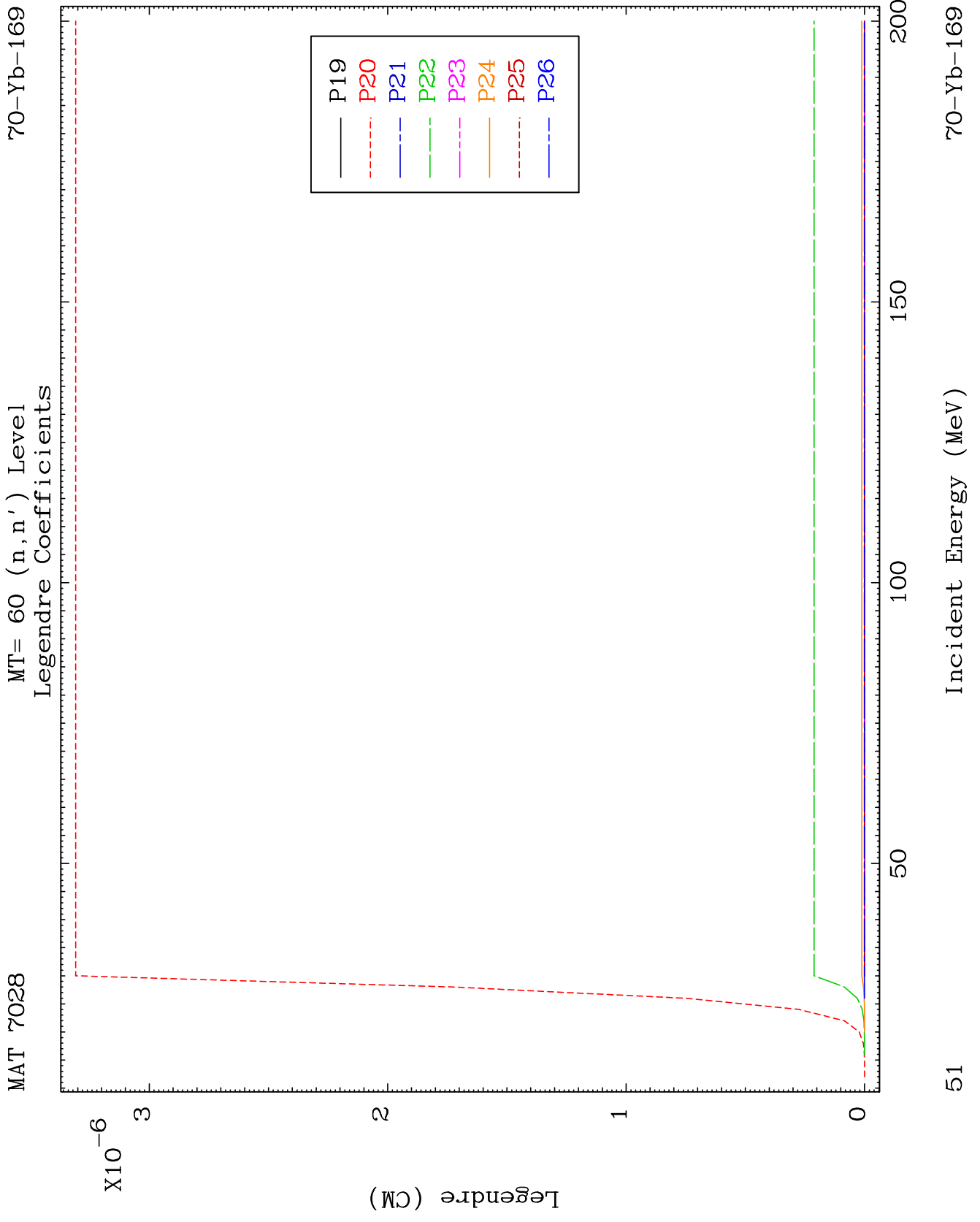


MAT 7028

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

70-Yb-169

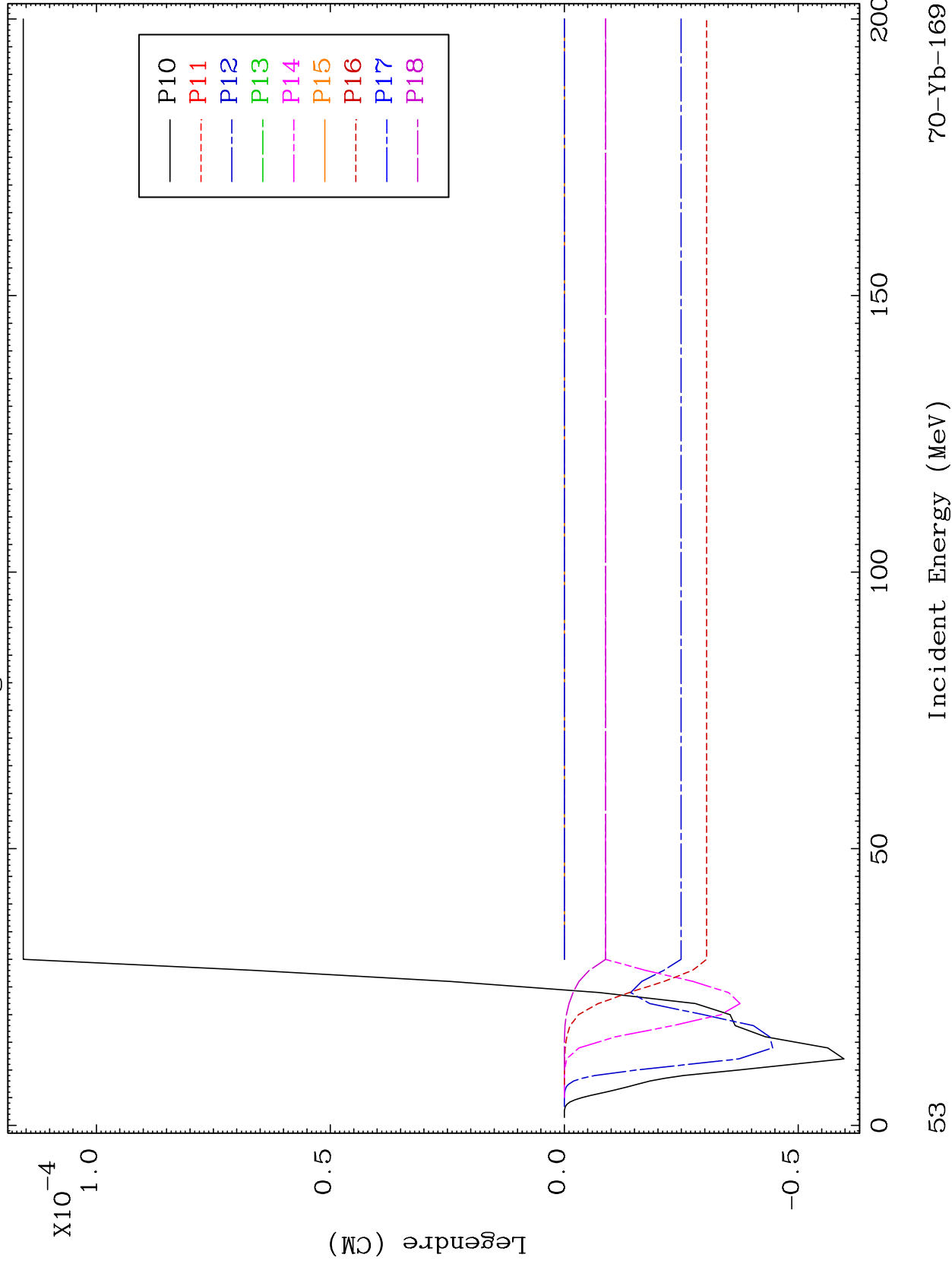




MAT 7028

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

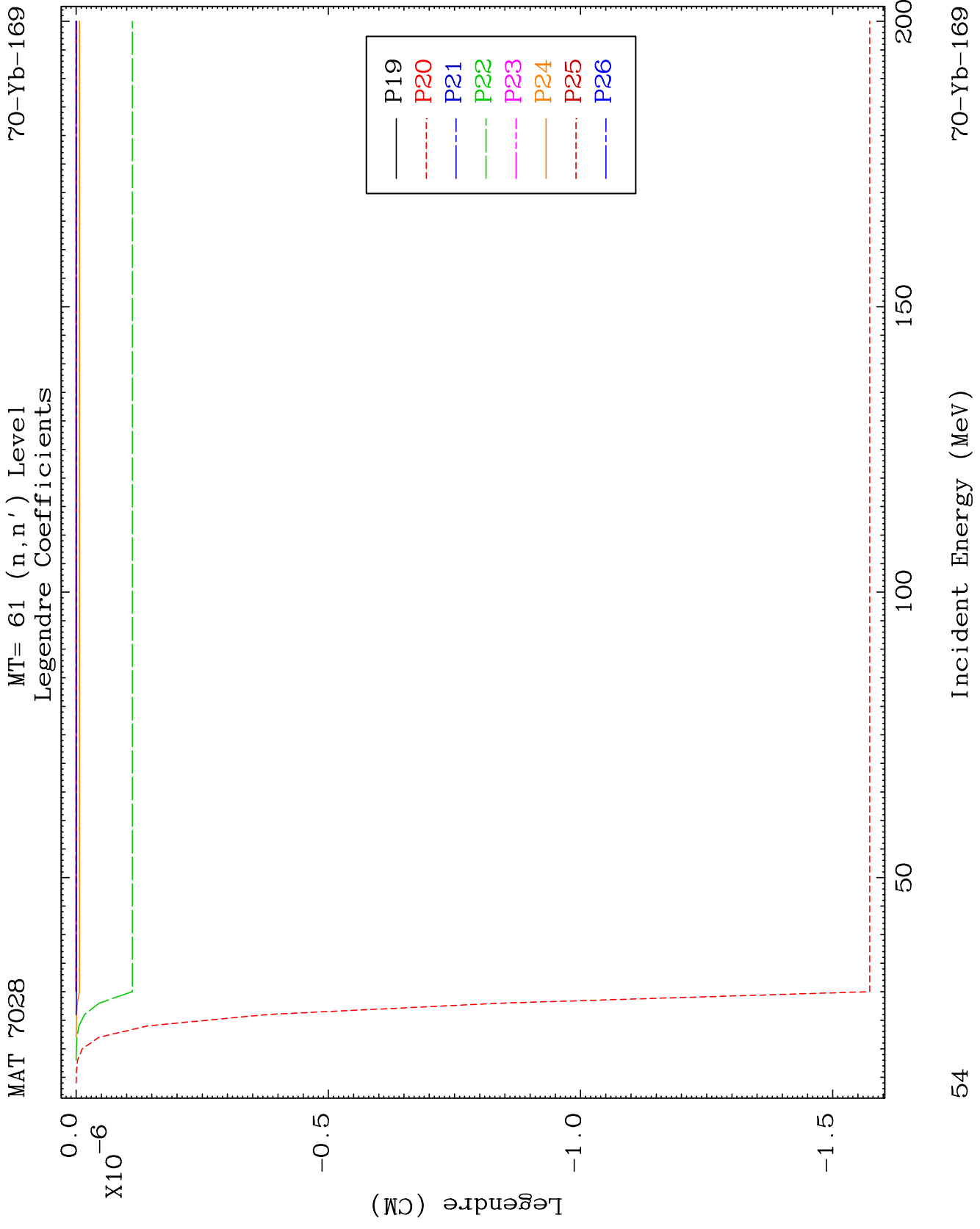
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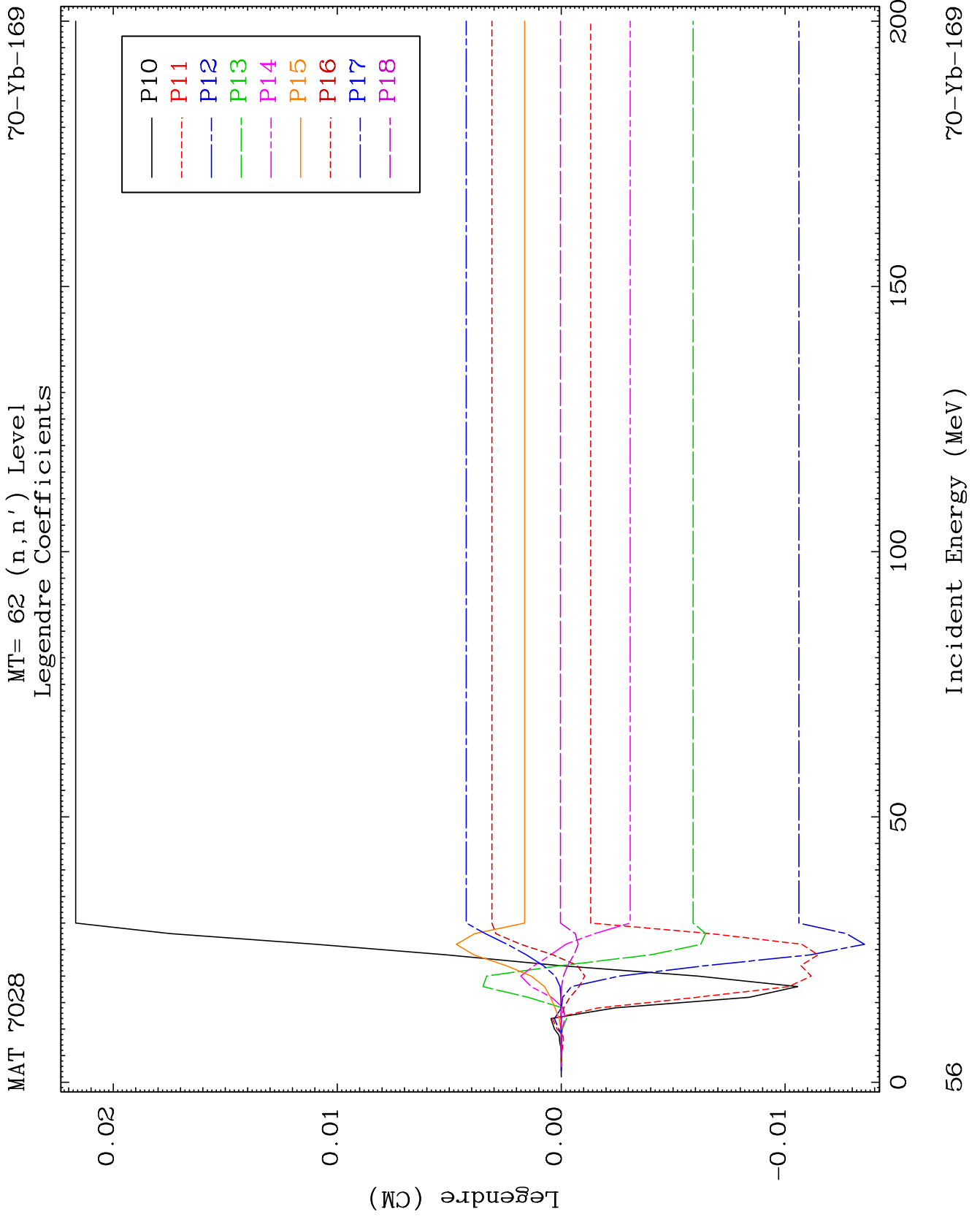


53

Incident Energy (MeV)

70-Yb-169

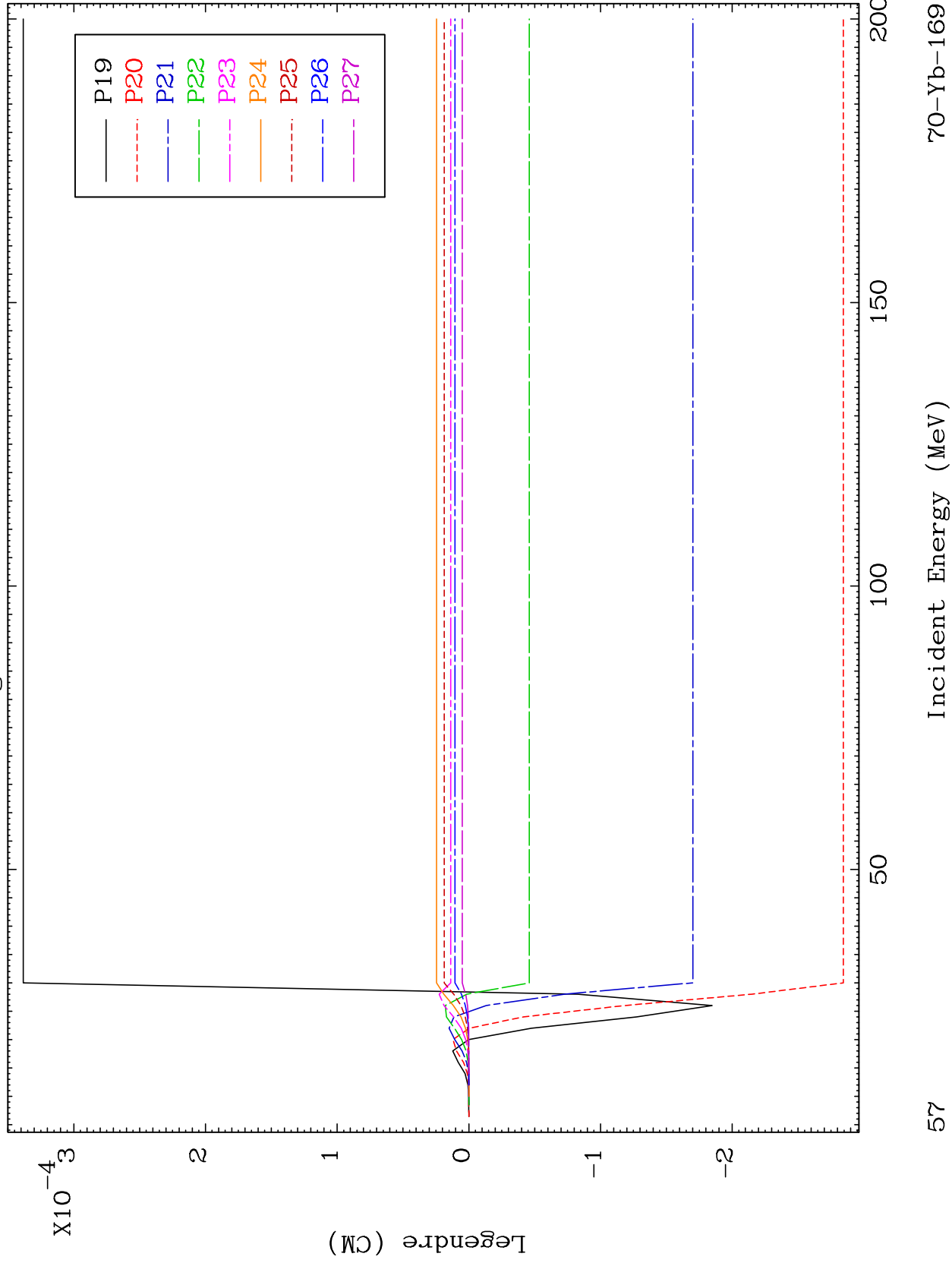




MAT 7028

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

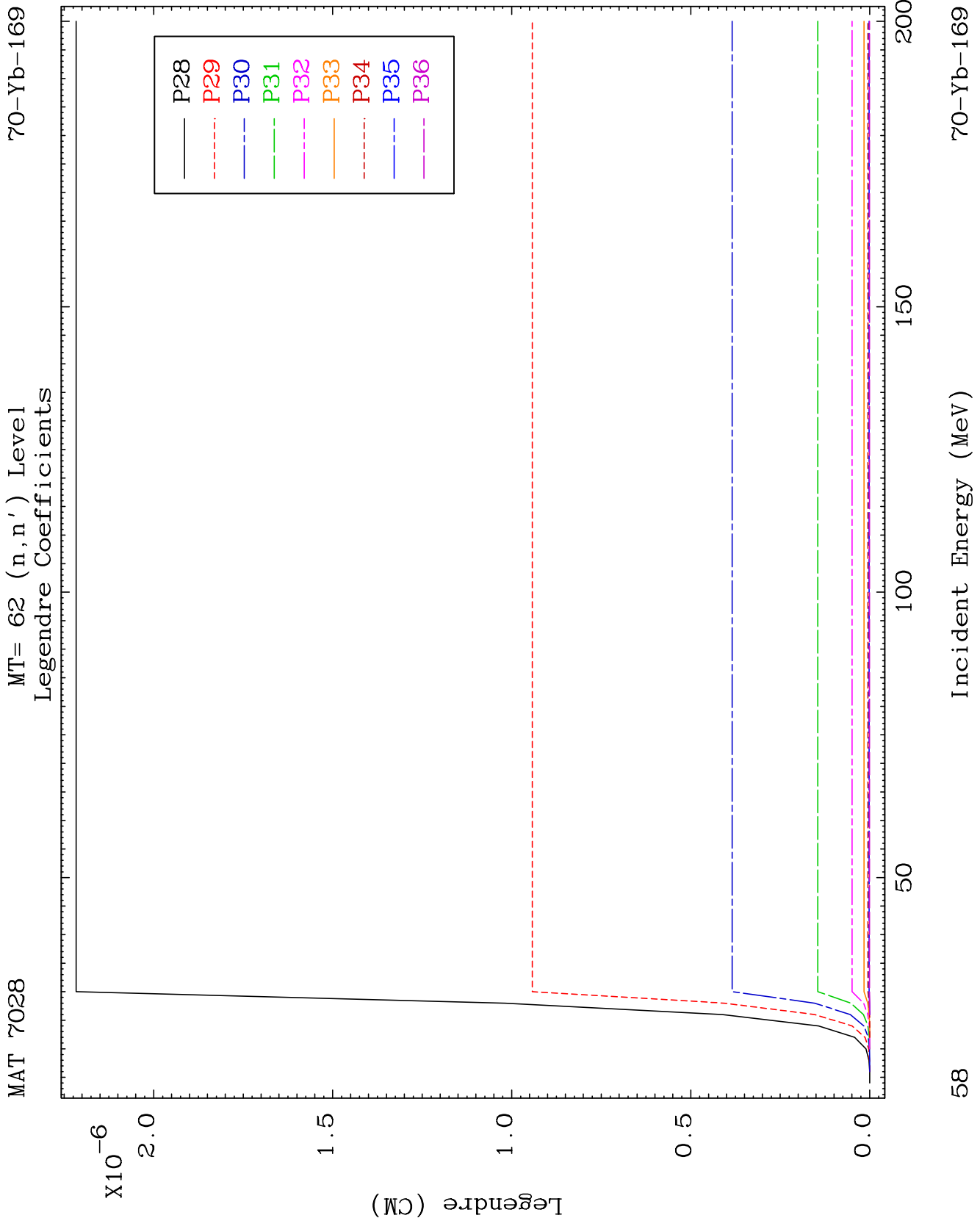
70-Yb-169



57

Incident Energy (MeV)

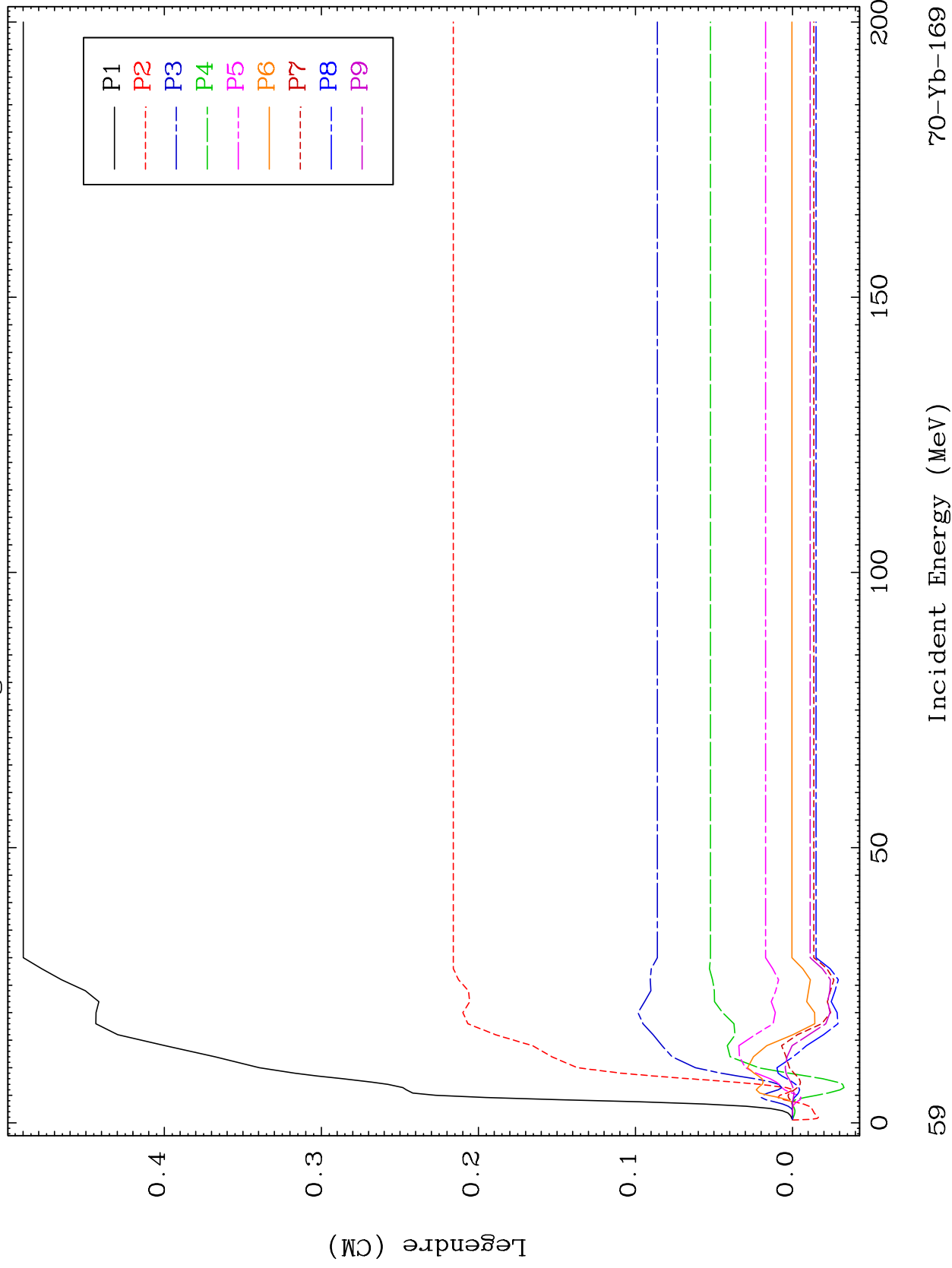
70-Yb-169



MAT 7028

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

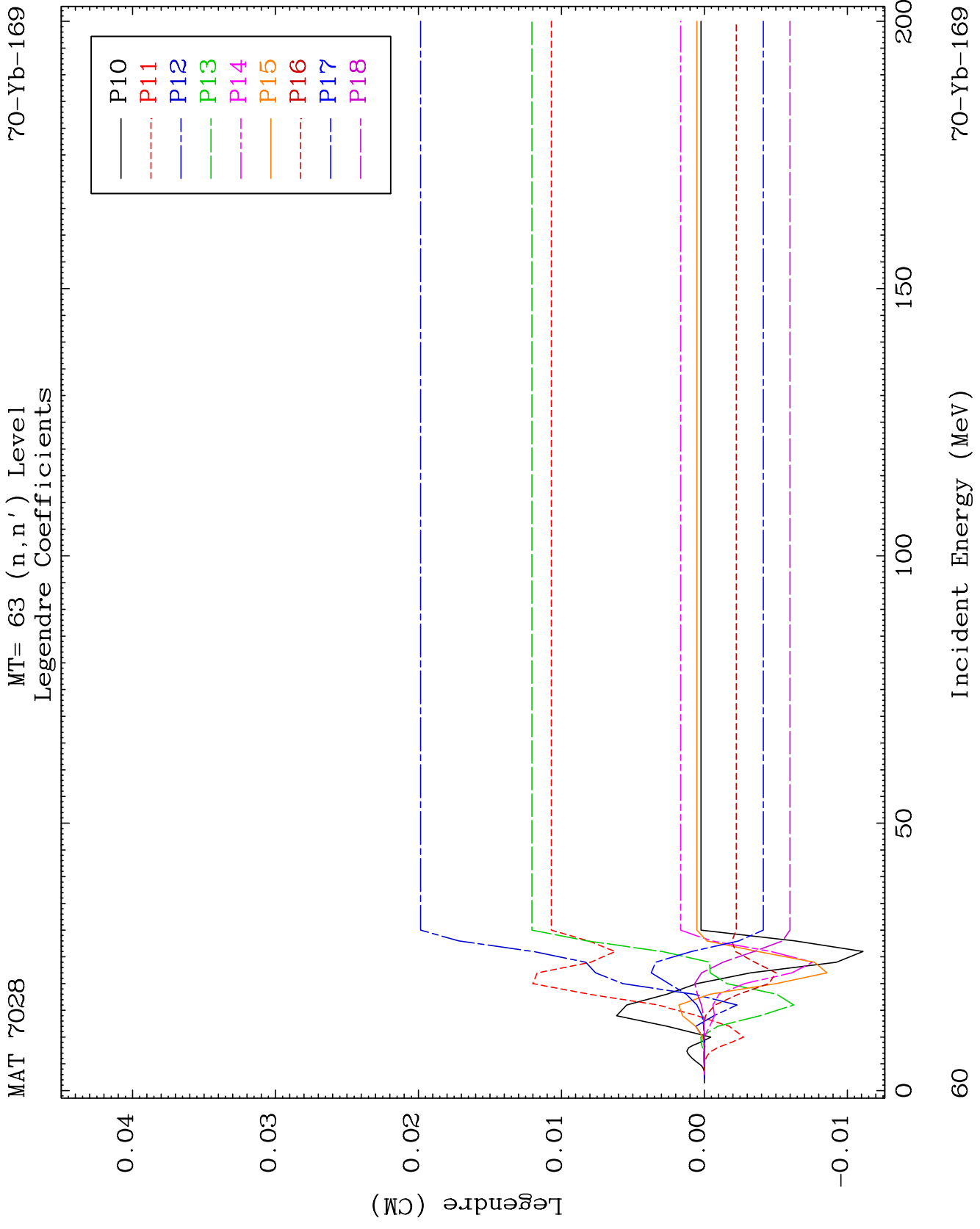
70-Yb-169



59

Incident Energy (MeV)

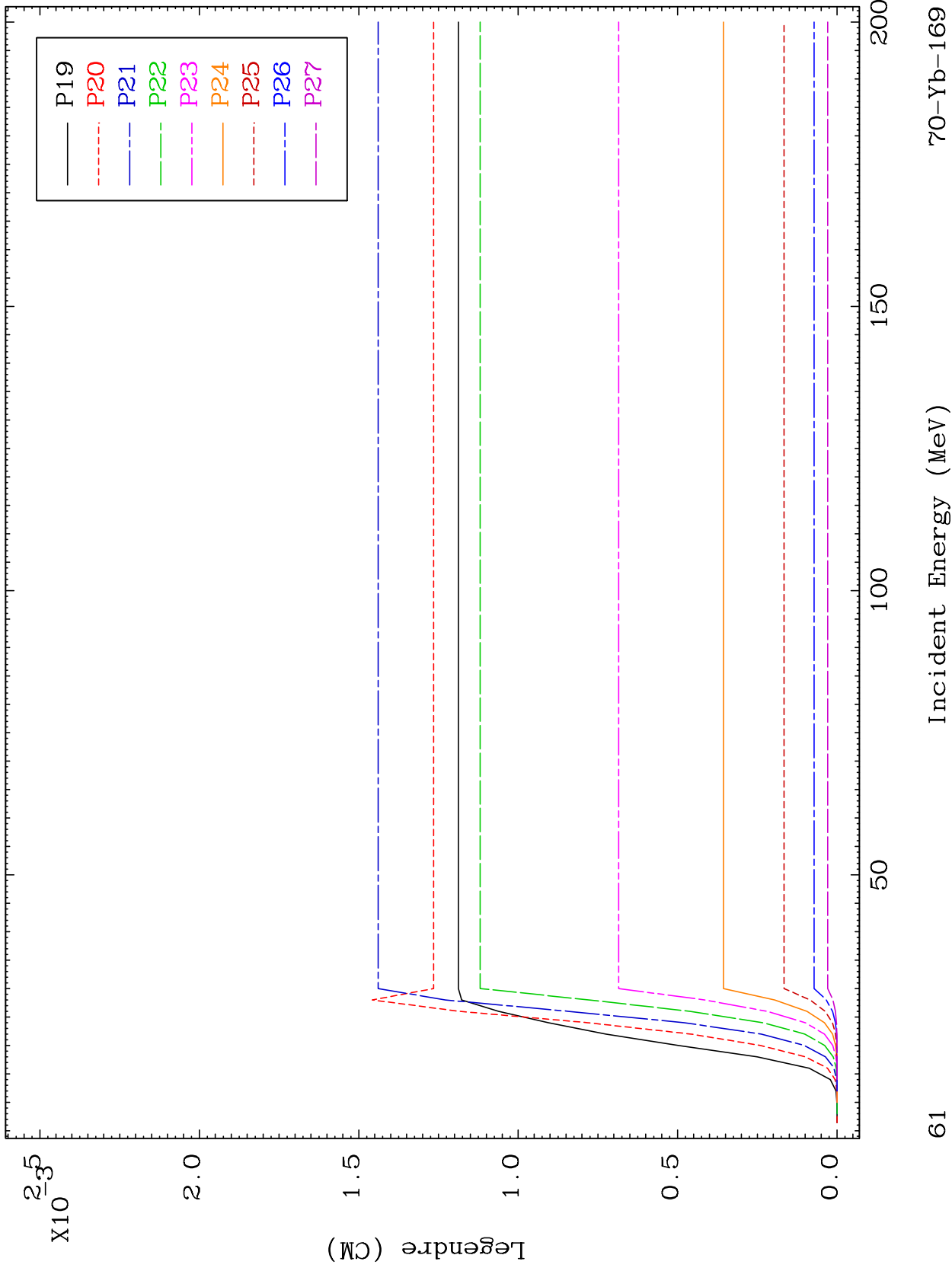
70-Yb-169



MAT 7028

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

70-Yb-169



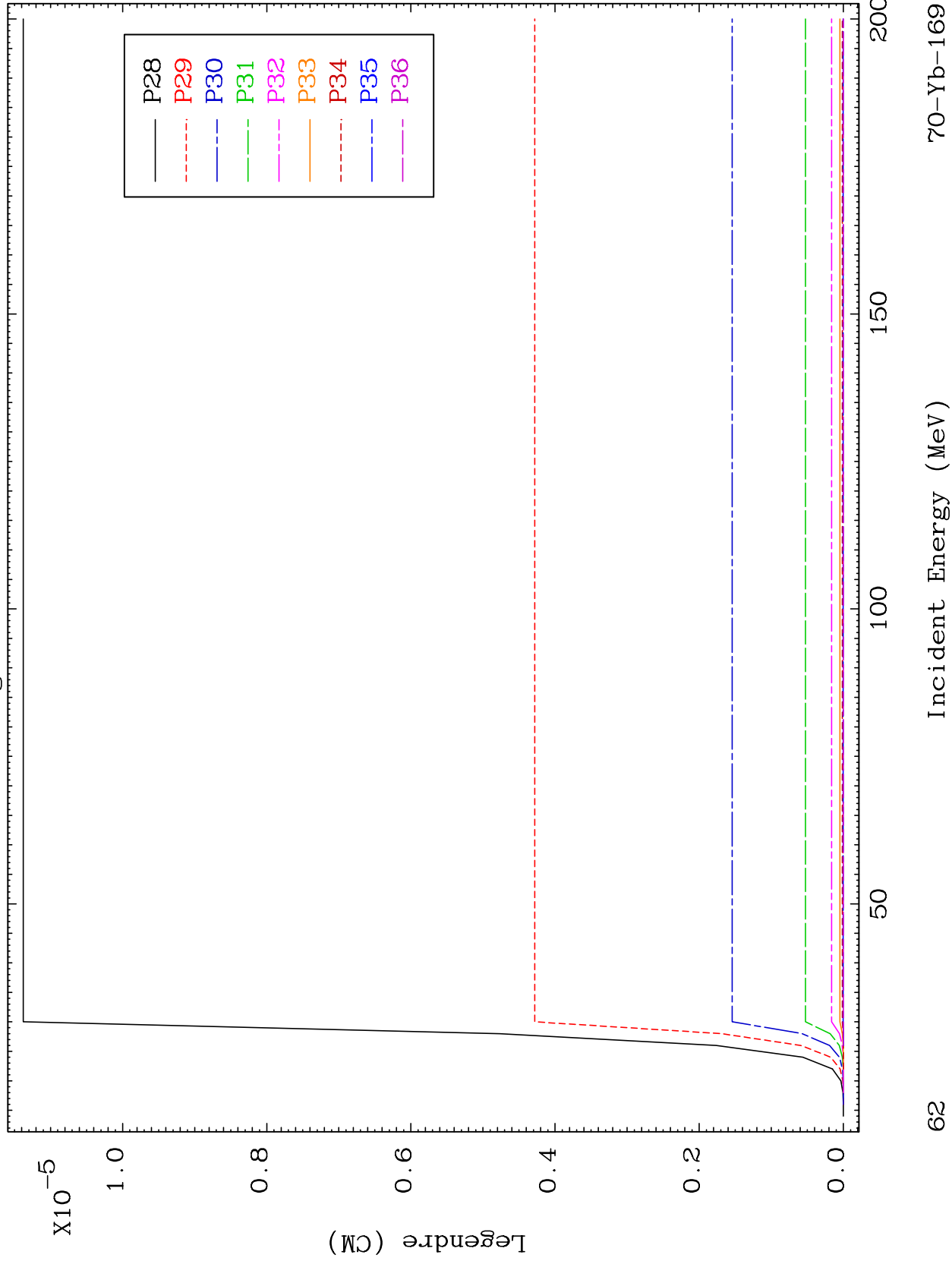
61

70-Yb-169

MAT 7028

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

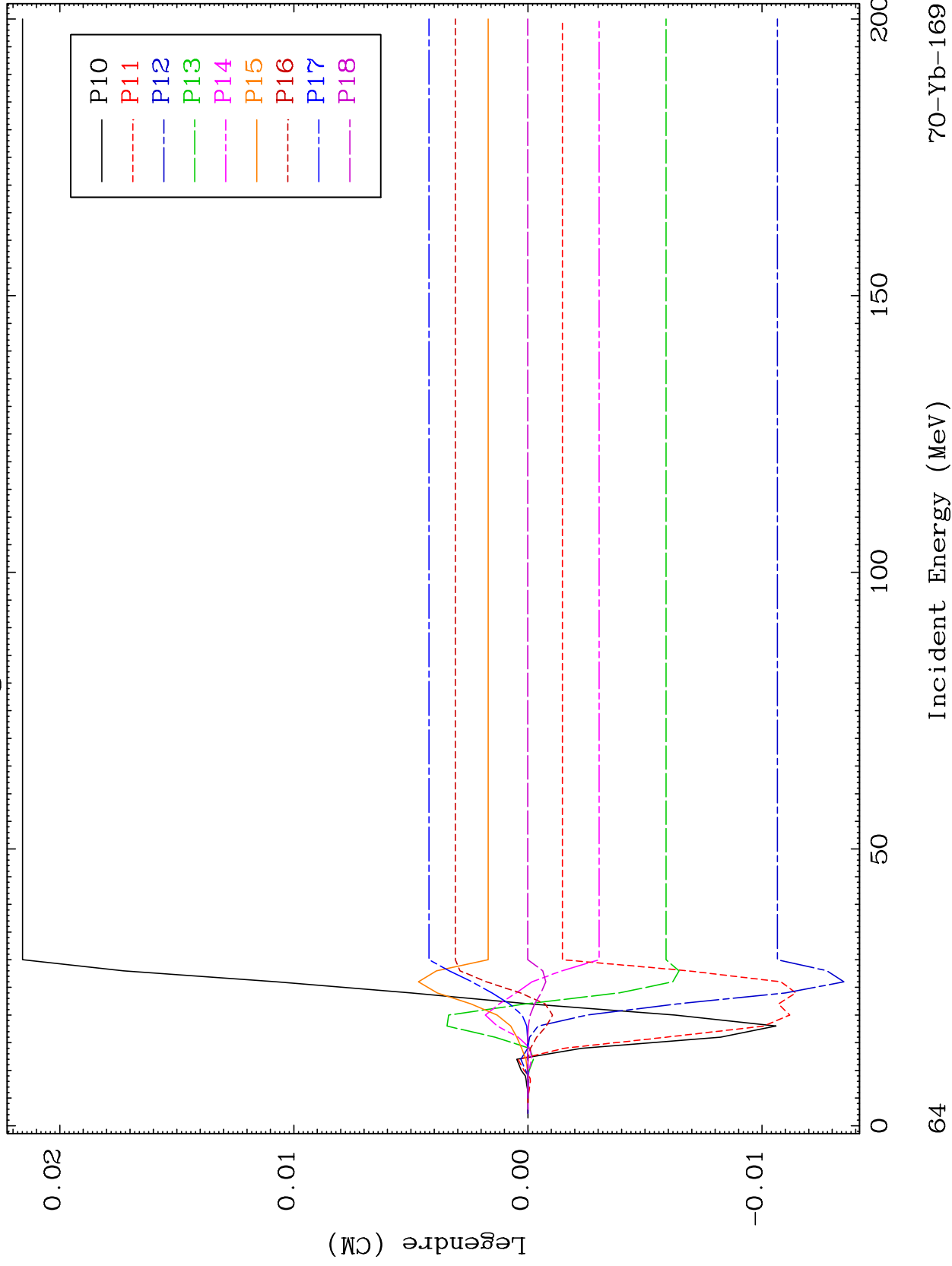
70-Yb-169



MAT 7028

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

70-Yb-169



70-Yb-169

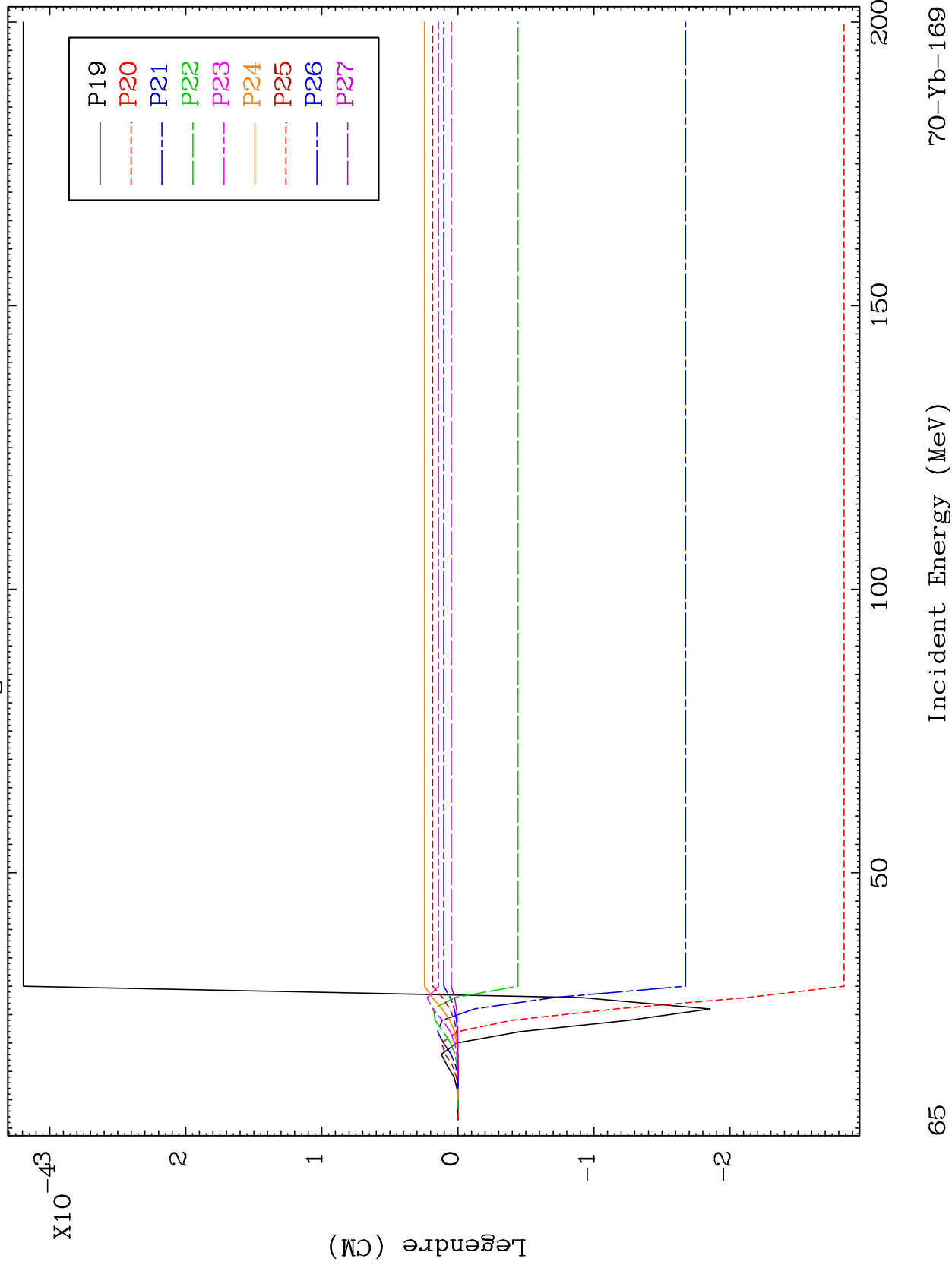
Incident Energy (MeV)

64

MAT 7028

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

70-Yb-169



65

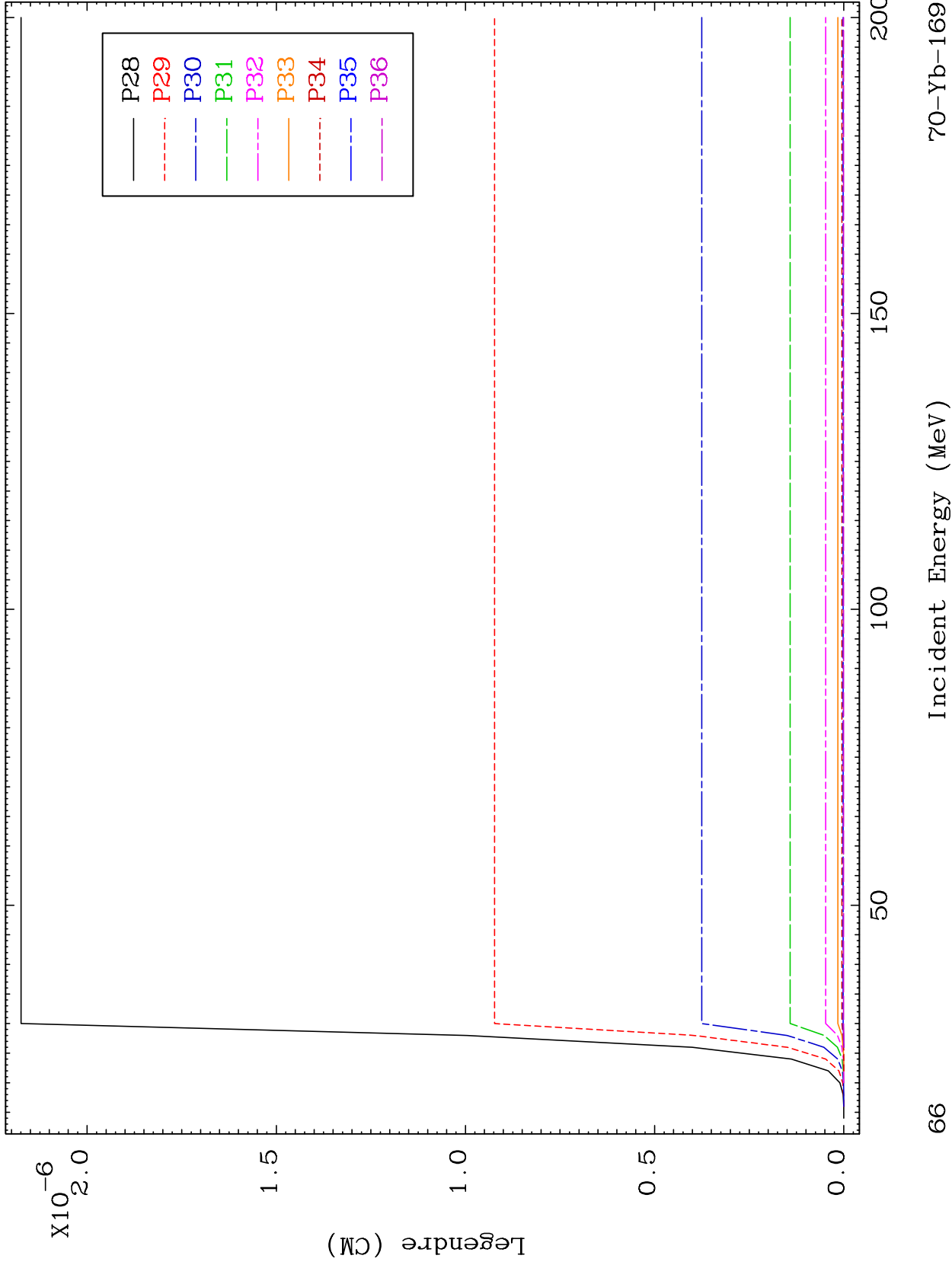
Incident Energy (MeV)

70-Yb-169

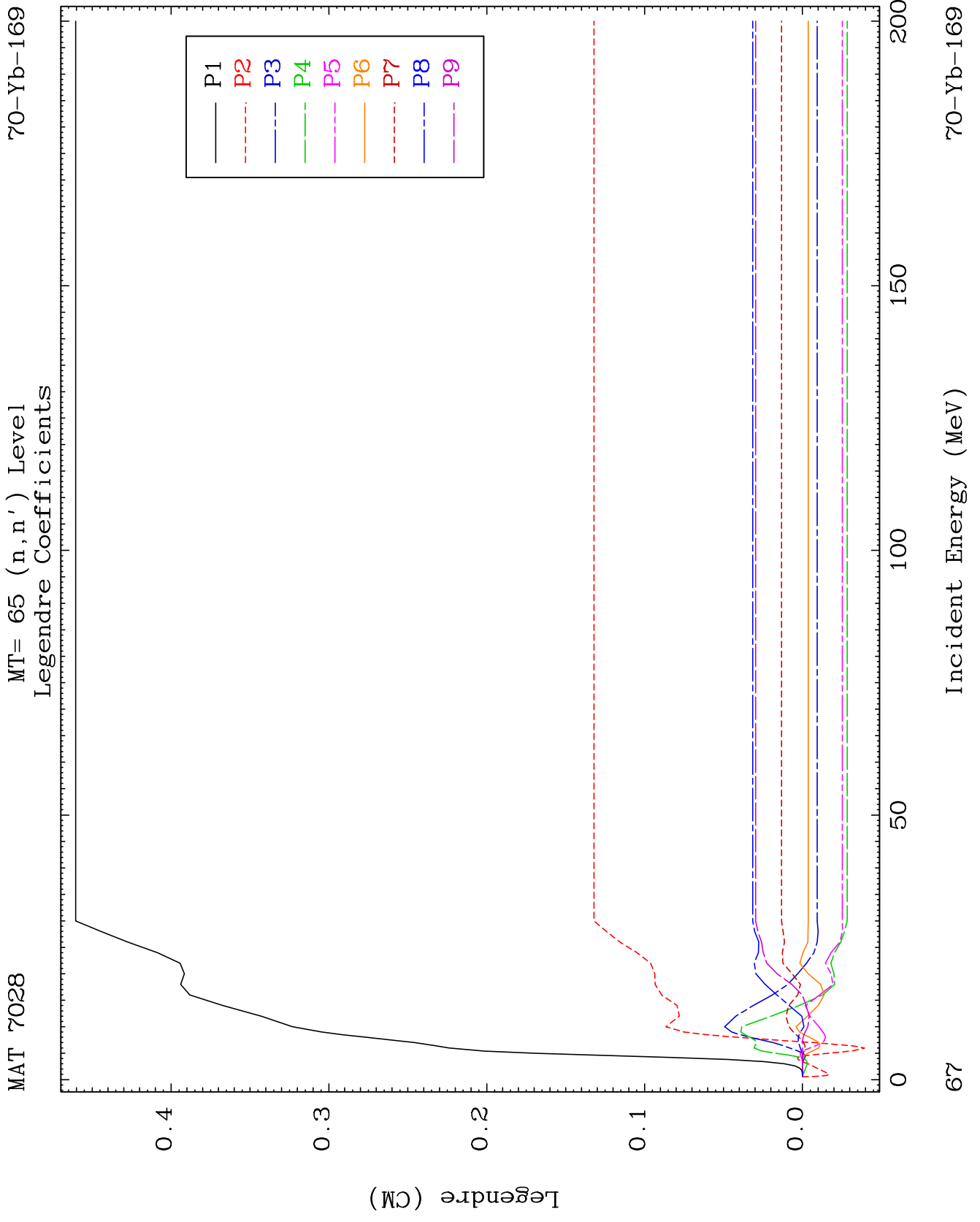
MAT 7028

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

70-Yb-169



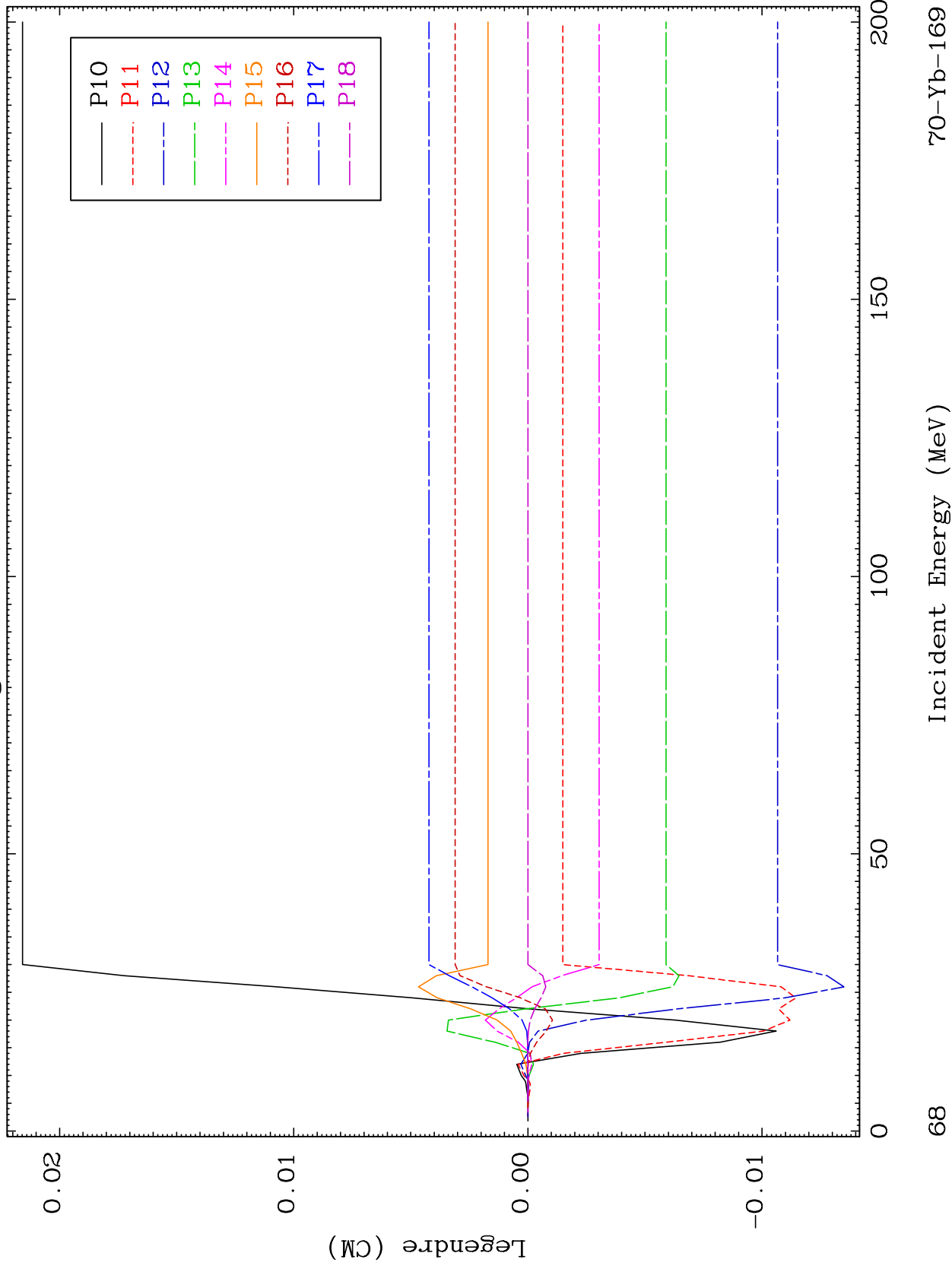
66



MAT 7028

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

70-Yb-169



70-Yb-169

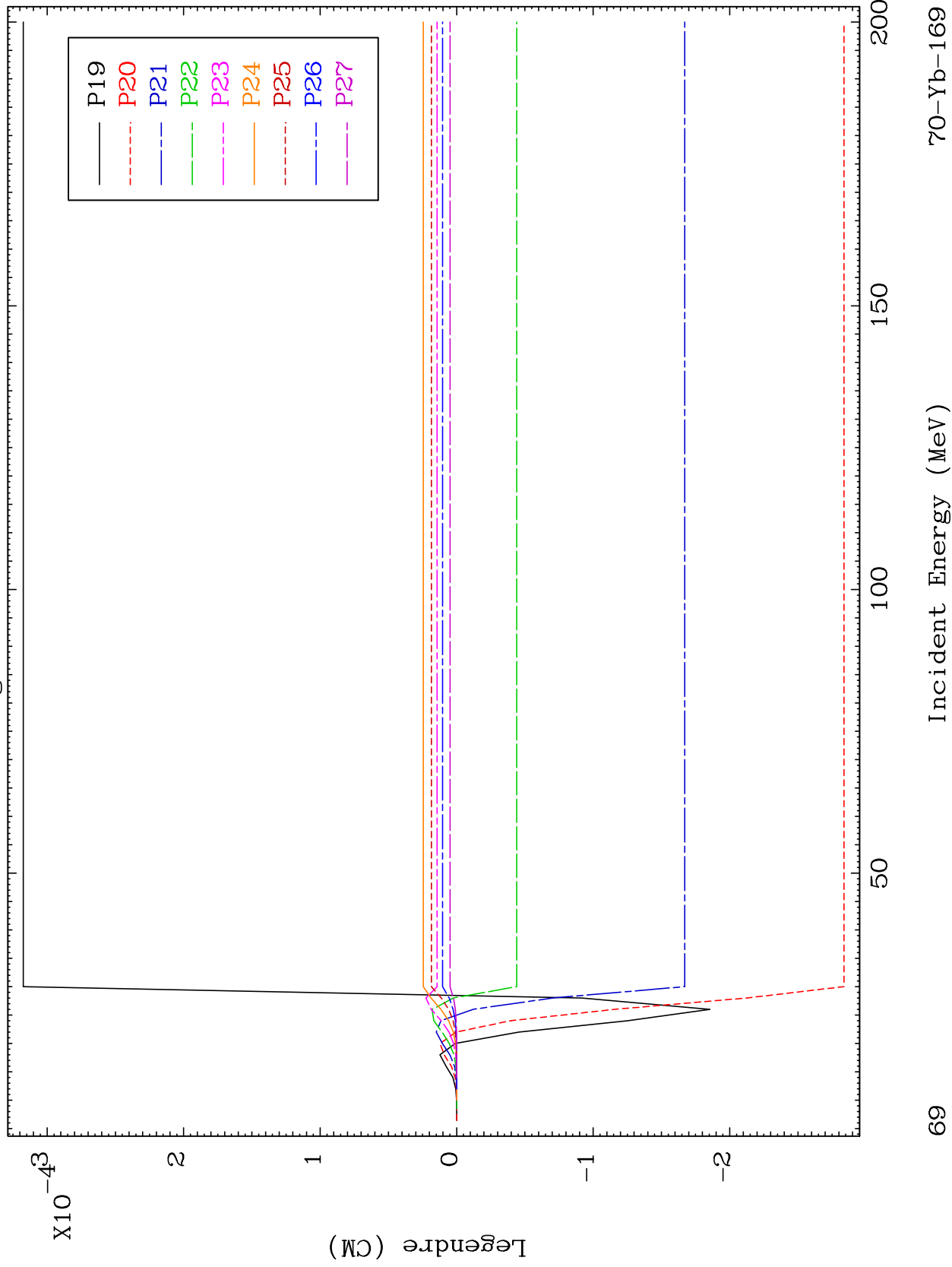
Incident Energy (MeV)

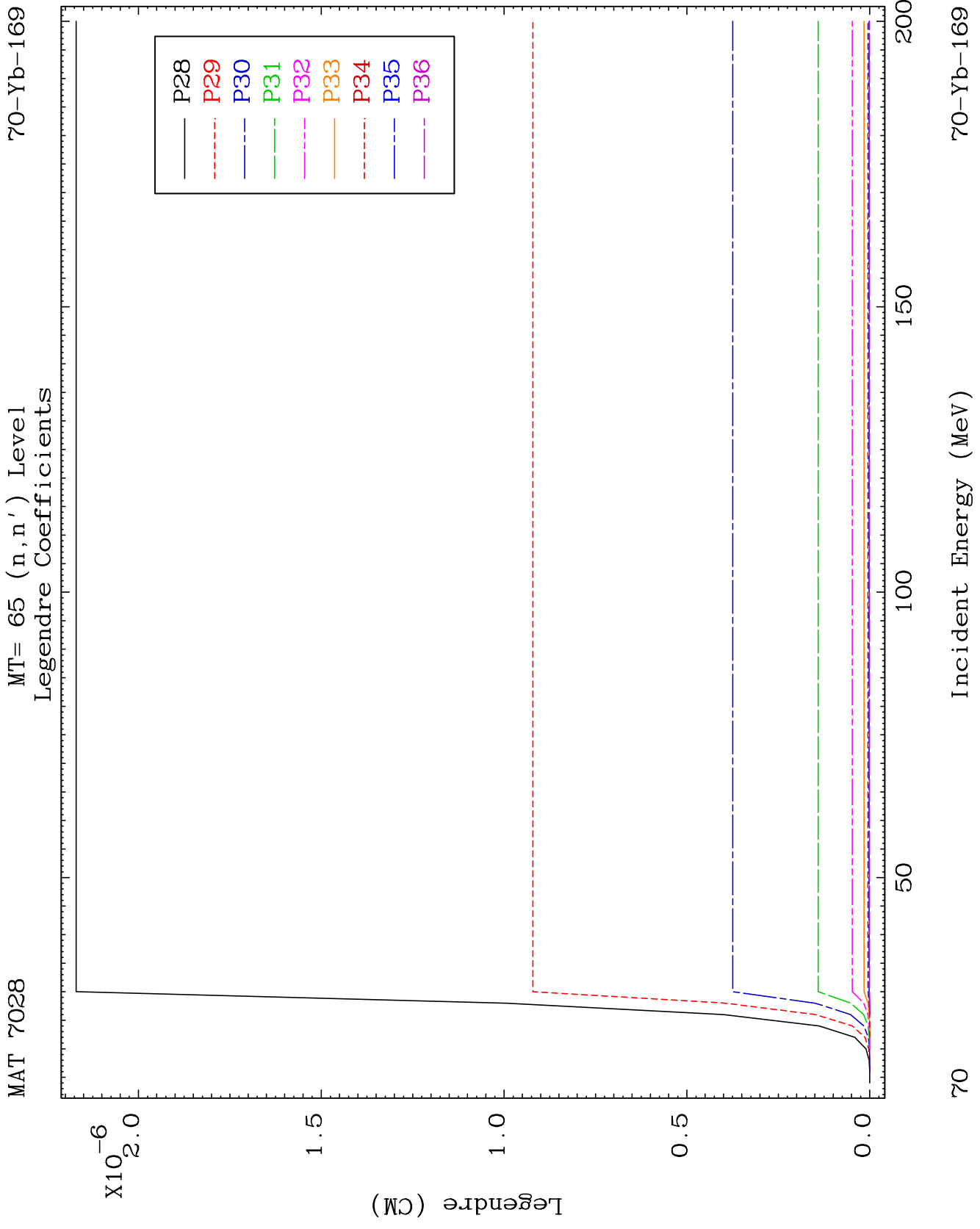
68

MAT 7028

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

70-Yb-169

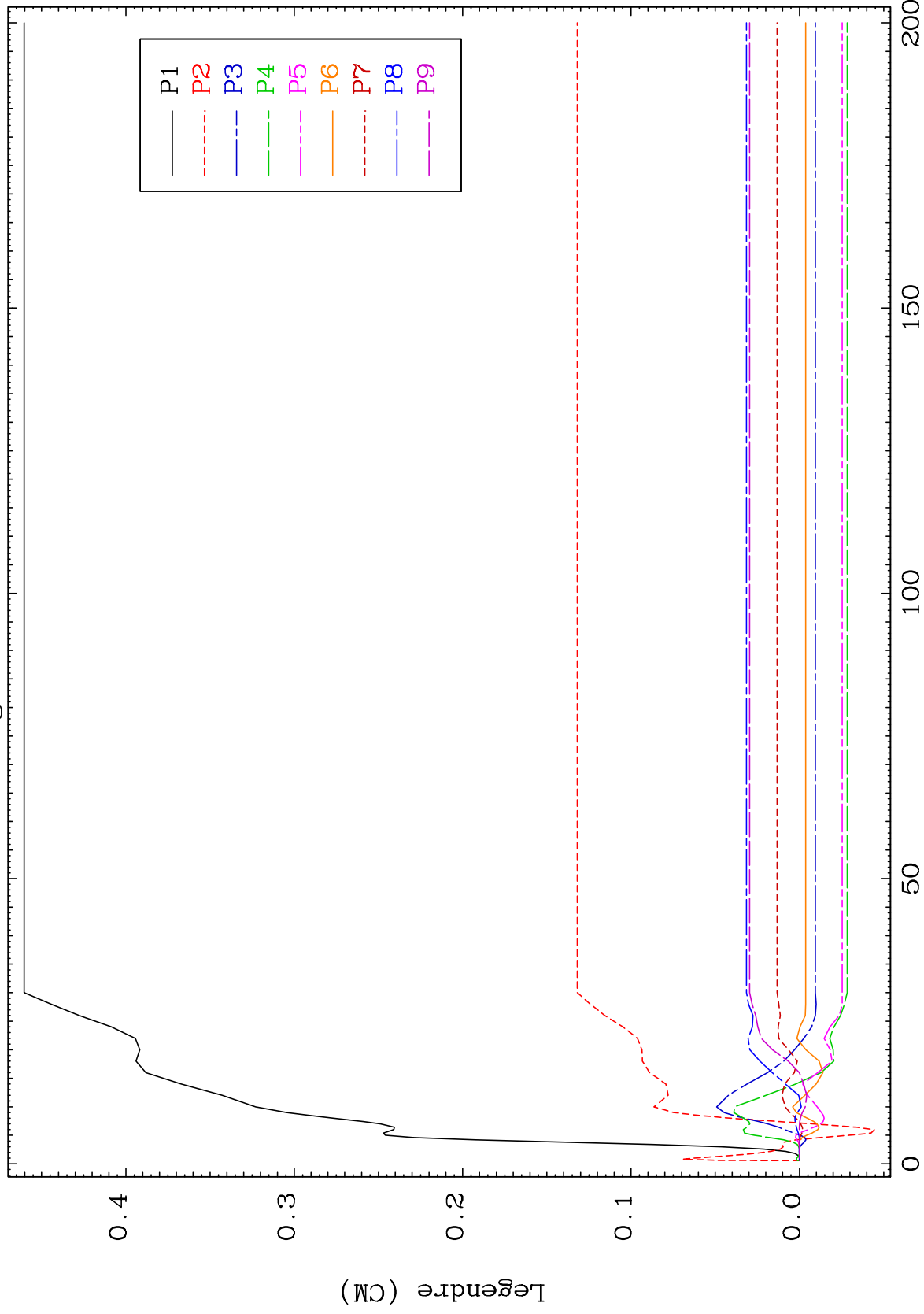




MAT 7028

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

70-Yb-169



71

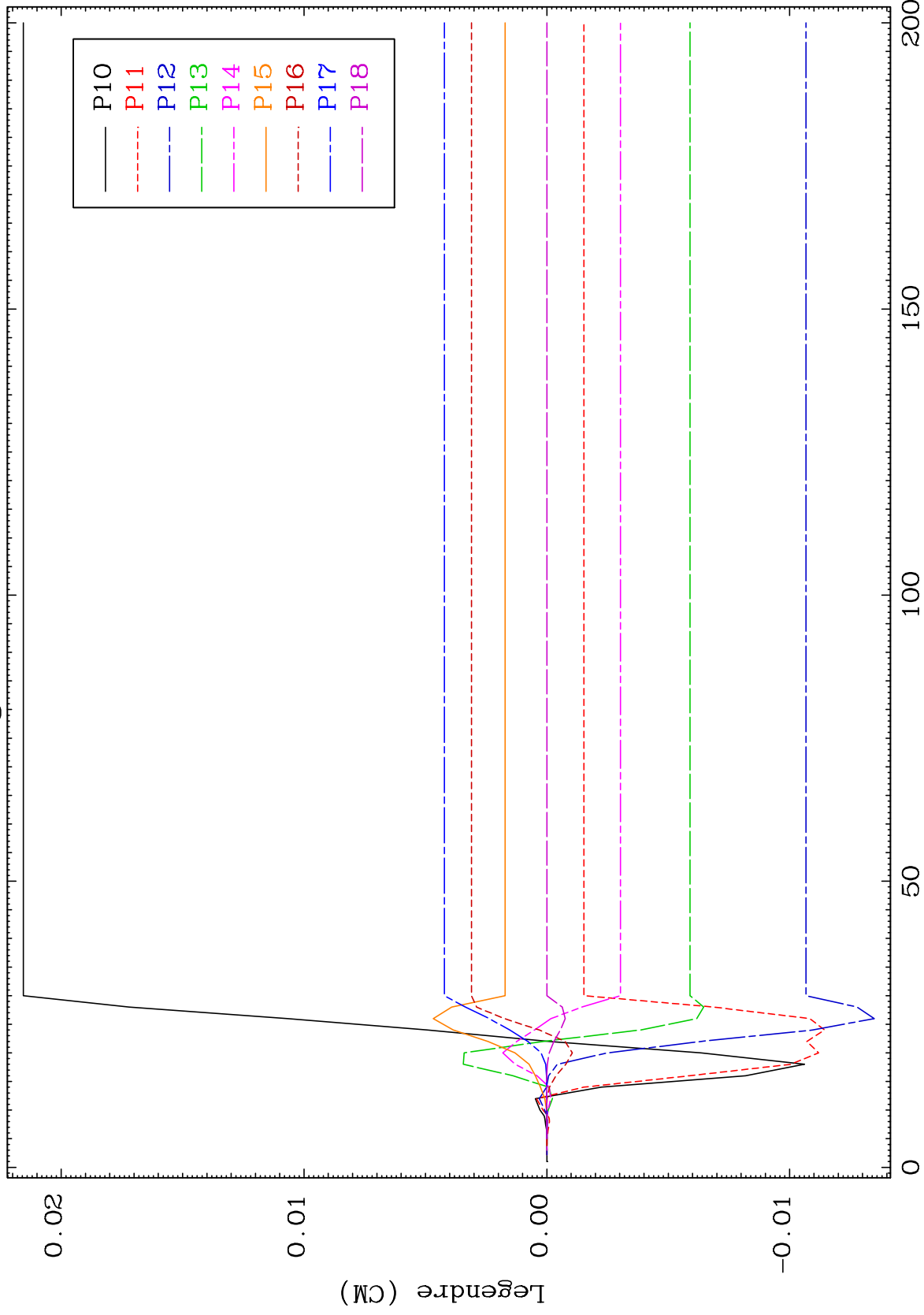
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



72

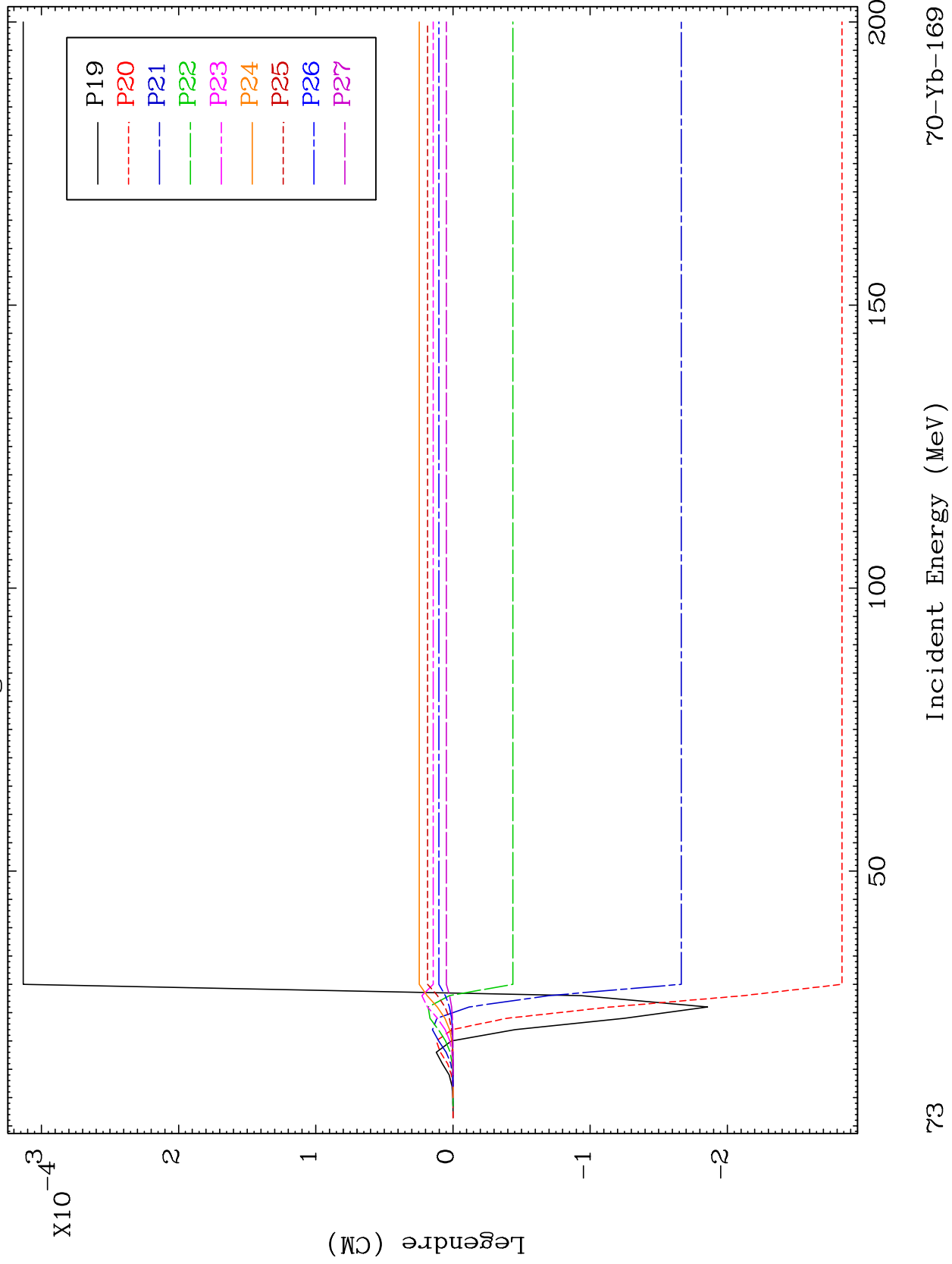
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

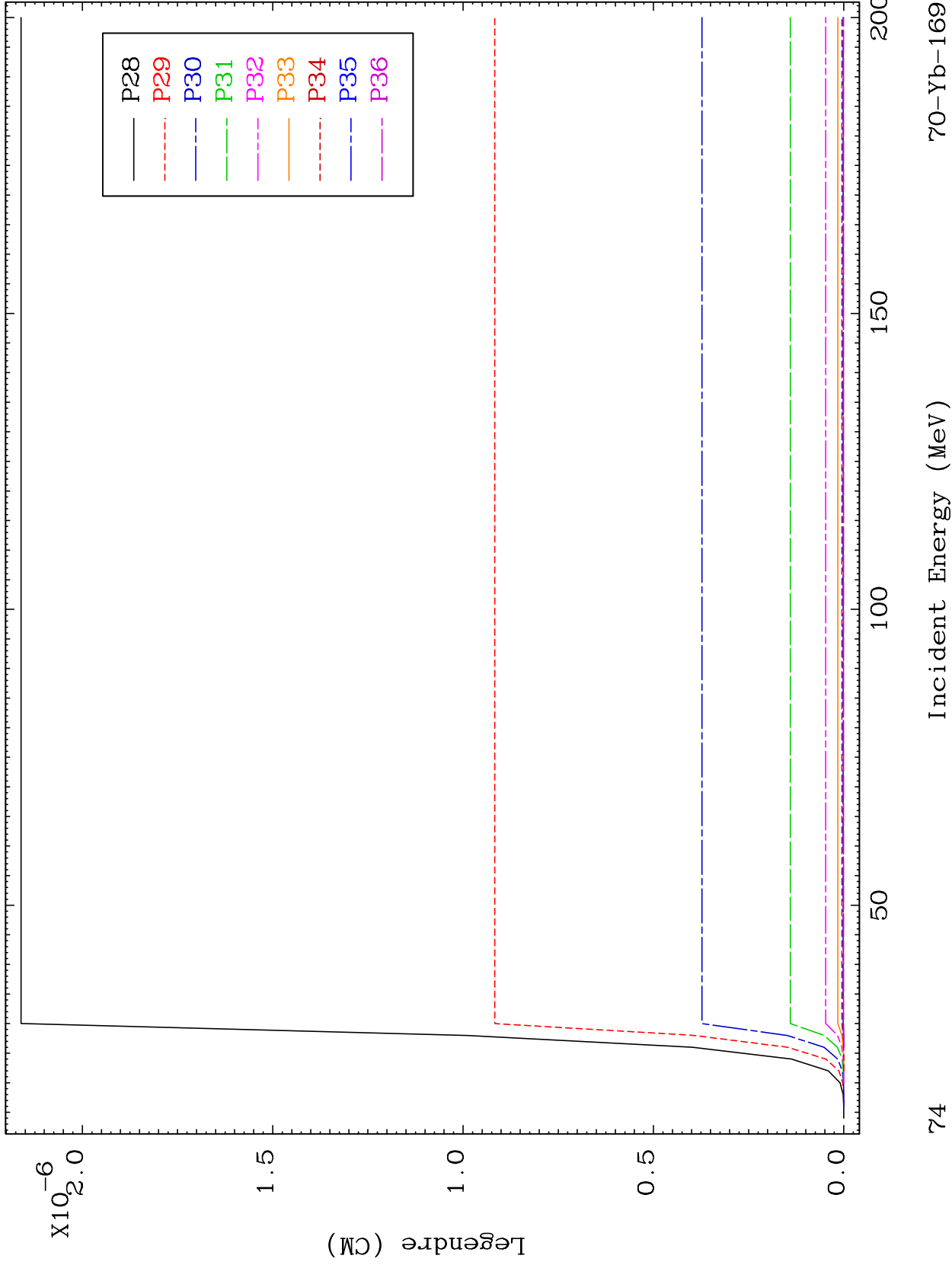
70-Yb-169



MAT 7028

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

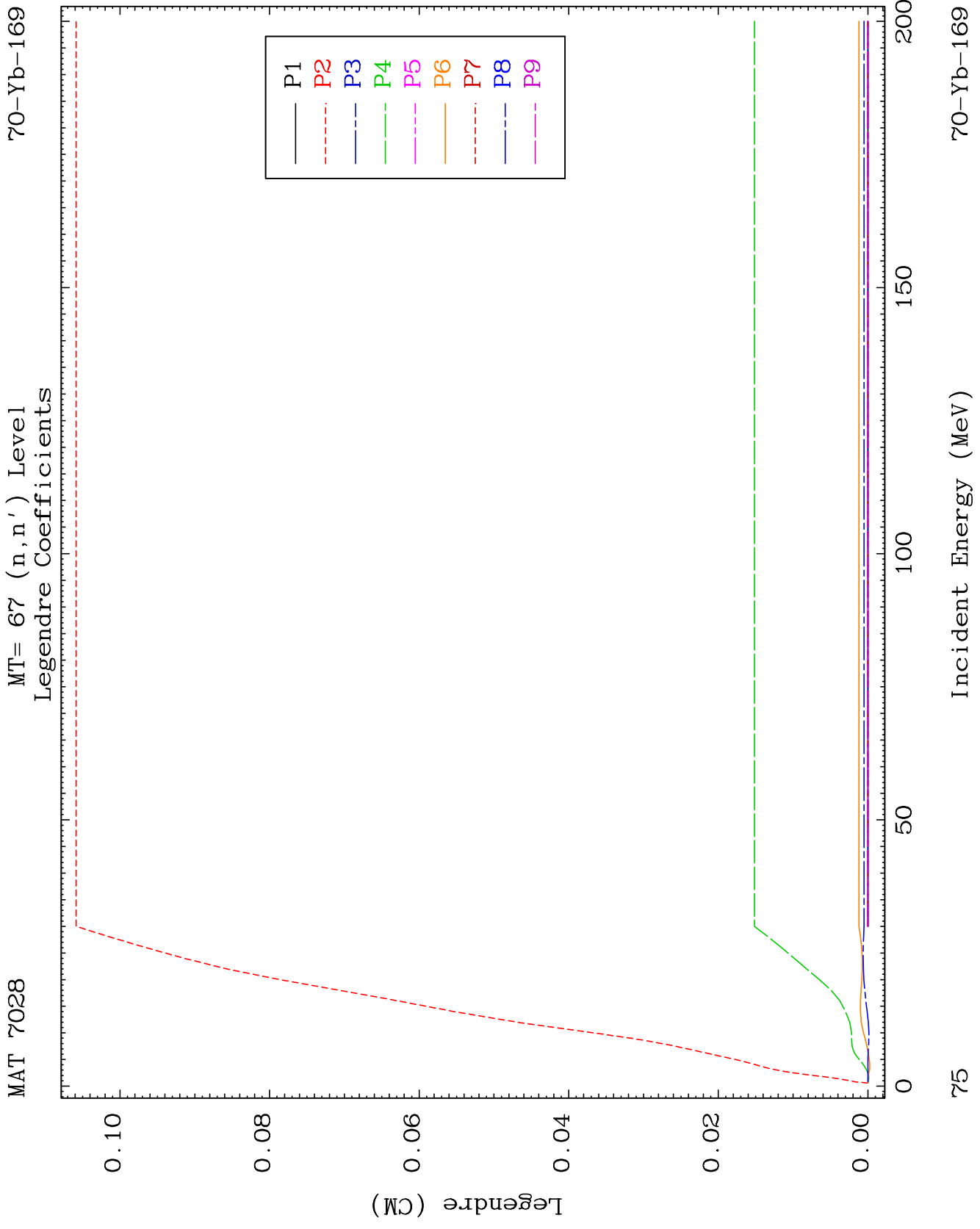
70-Yb-169



74

Incident Energy (MeV)

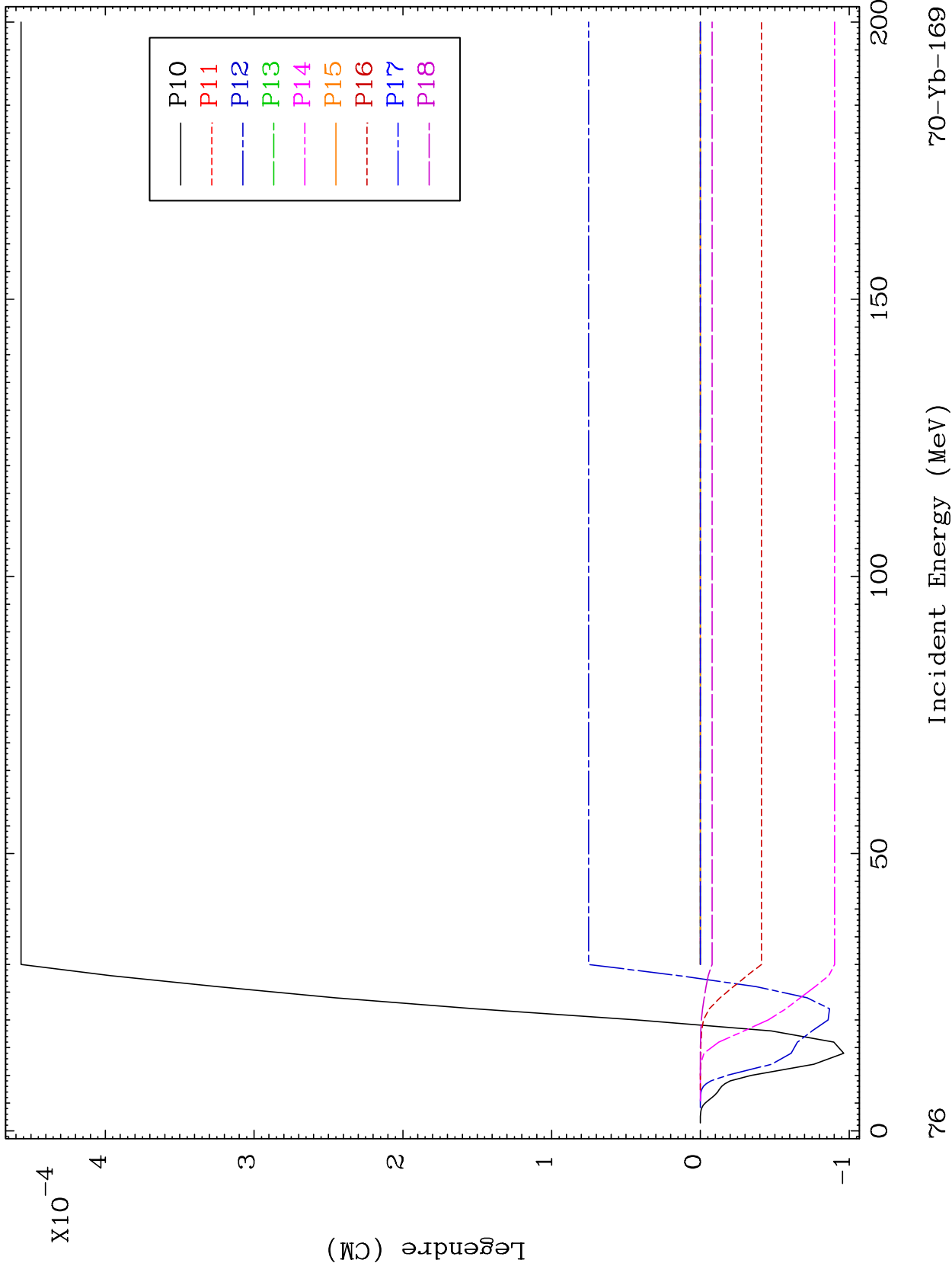
70-Yb-169

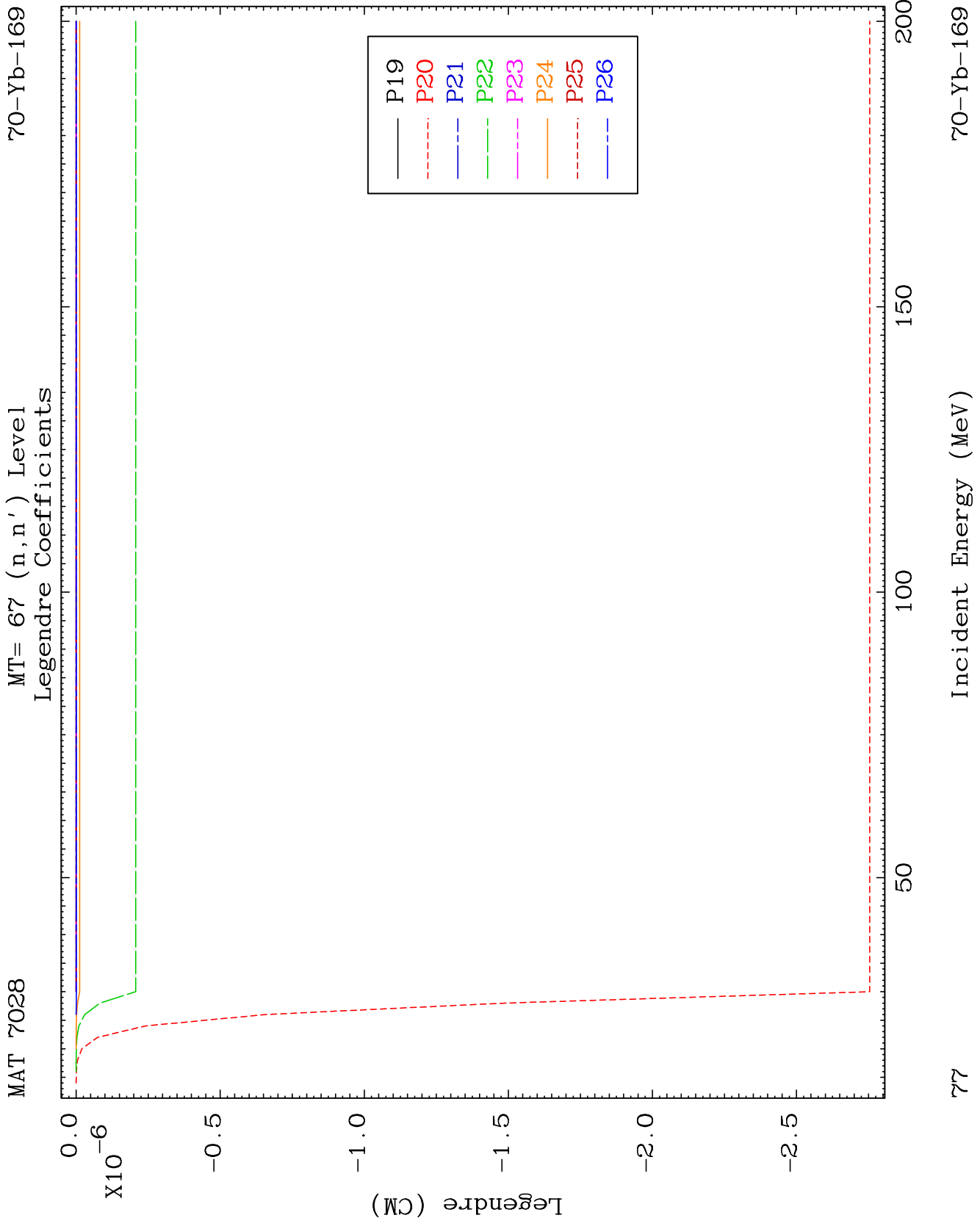


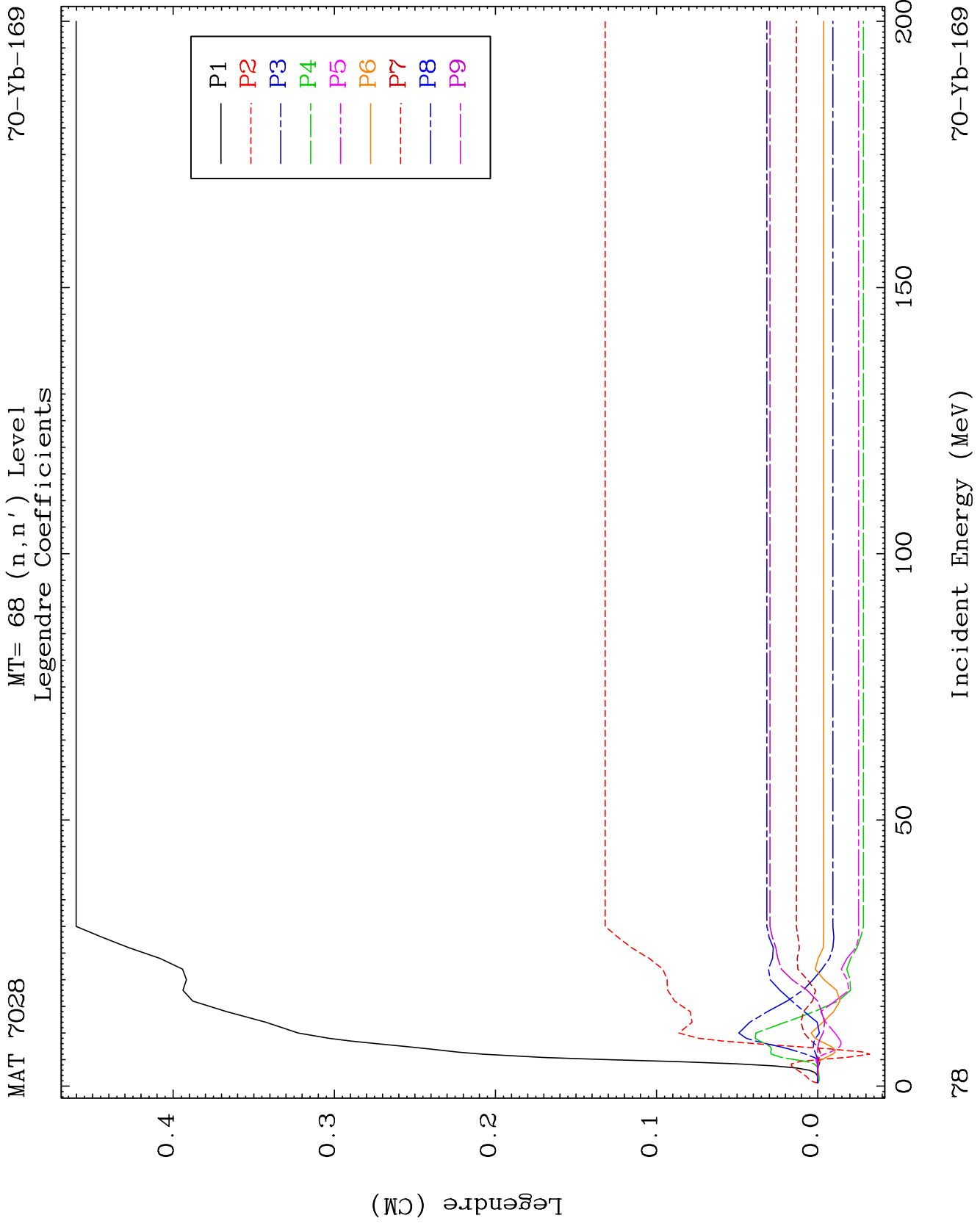
MAT 7028

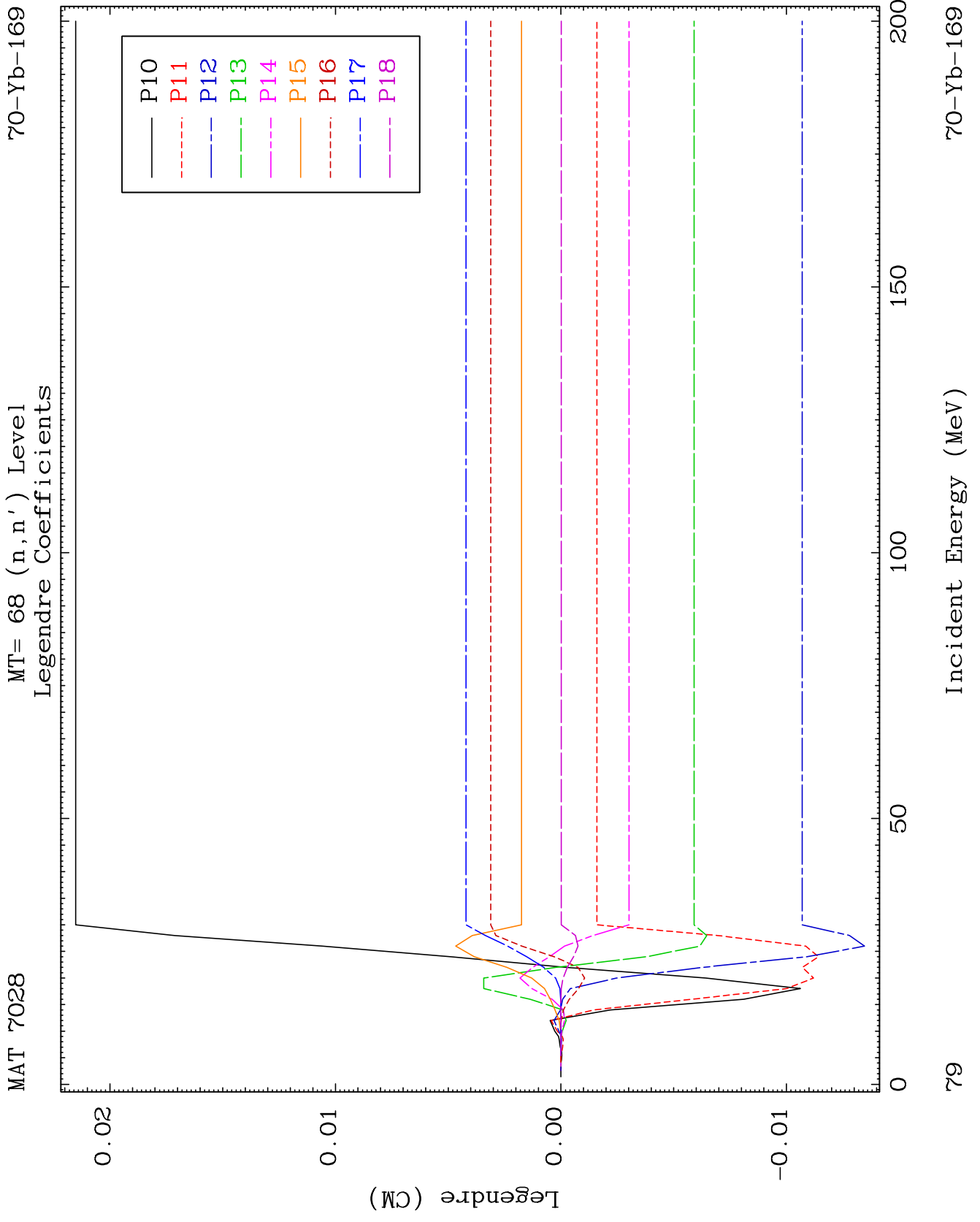
MT= 67 (n,n') Level
Legendre Coefficients

70-Yb-169





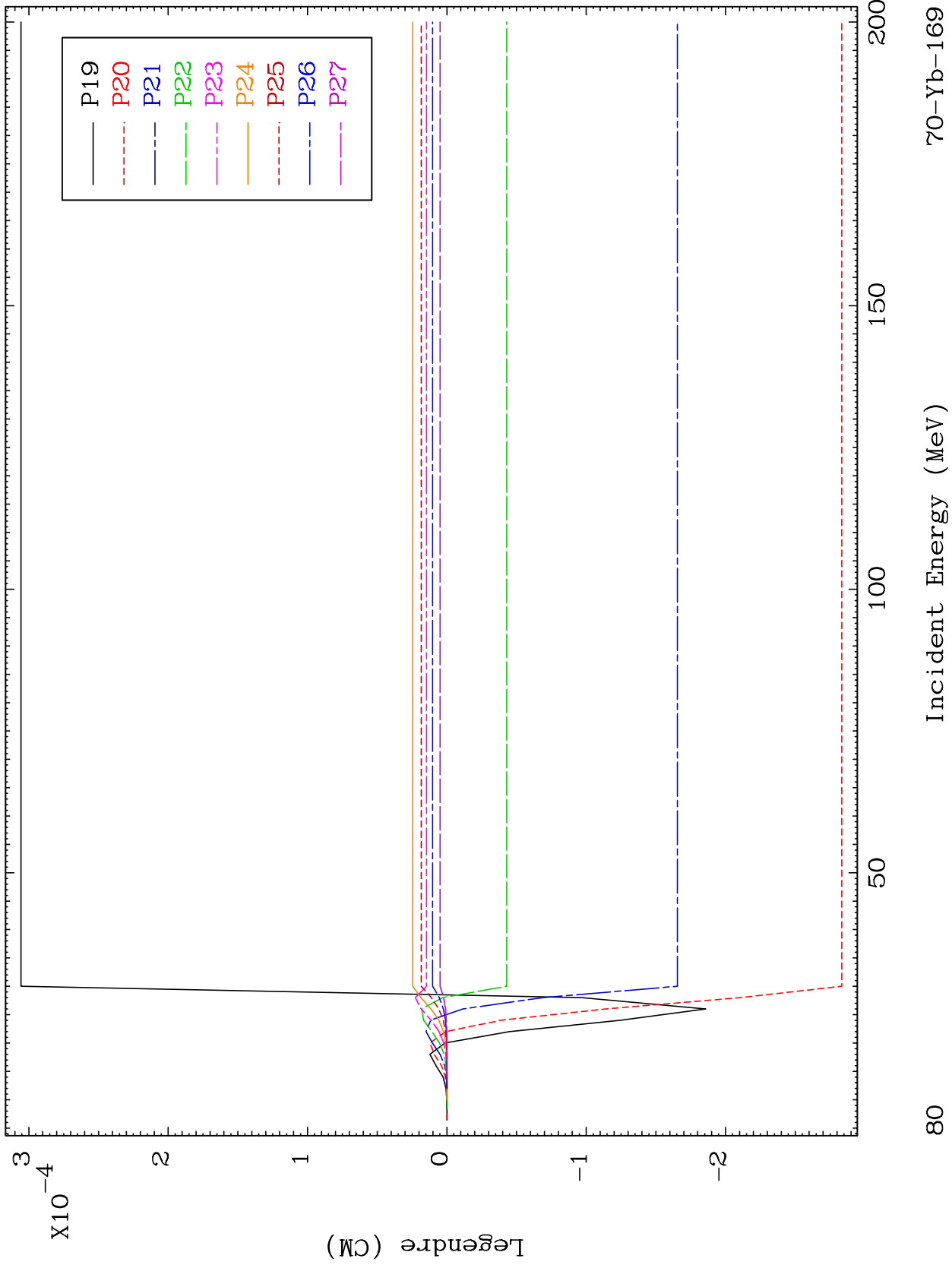




MAT 7028

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

70-Yb-169

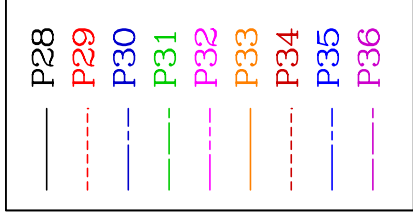


MAT 7028

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

70-Yb-169

$\times 10^{-6}$

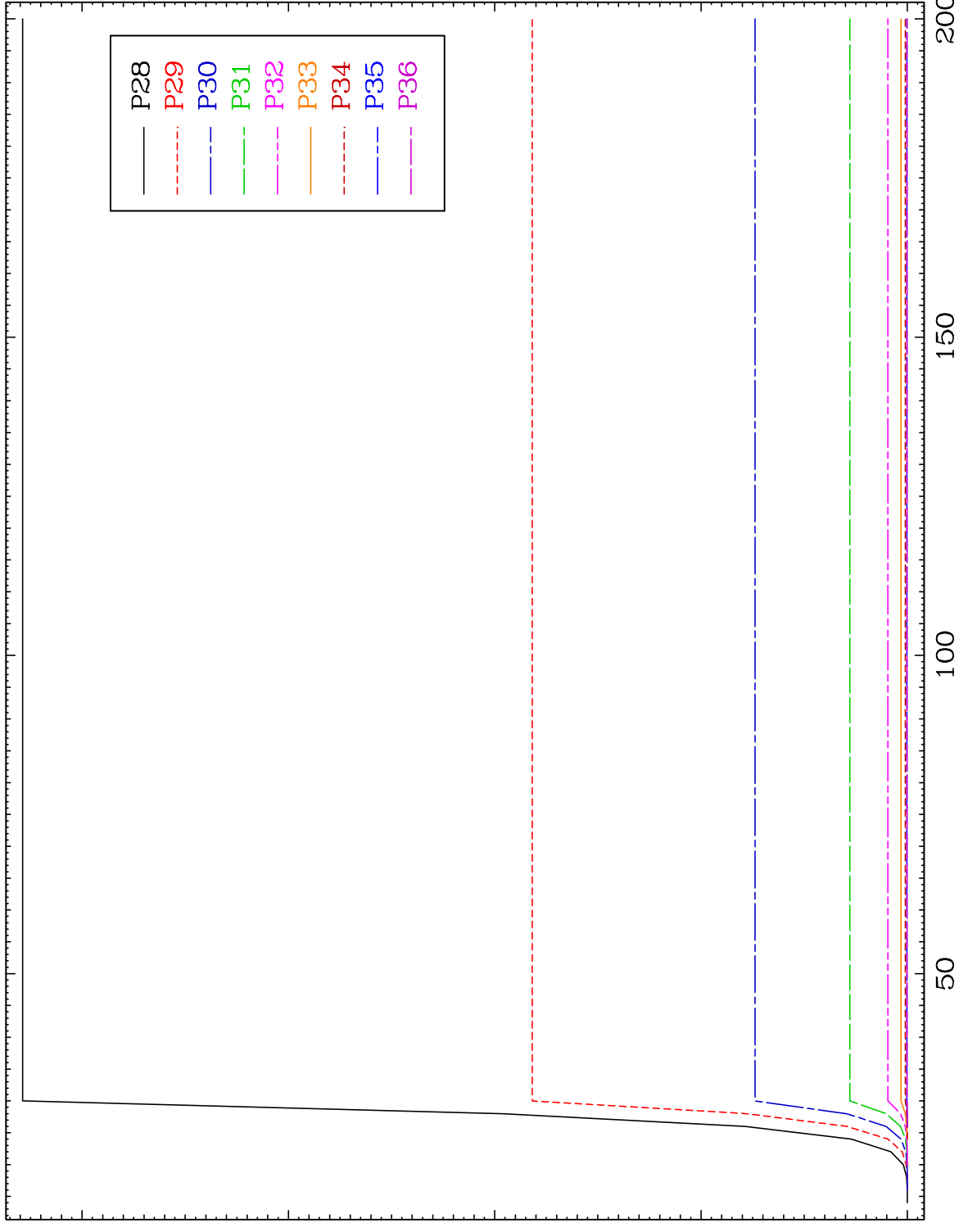


Legendre (CM)

81

Incident Energy (MeV)

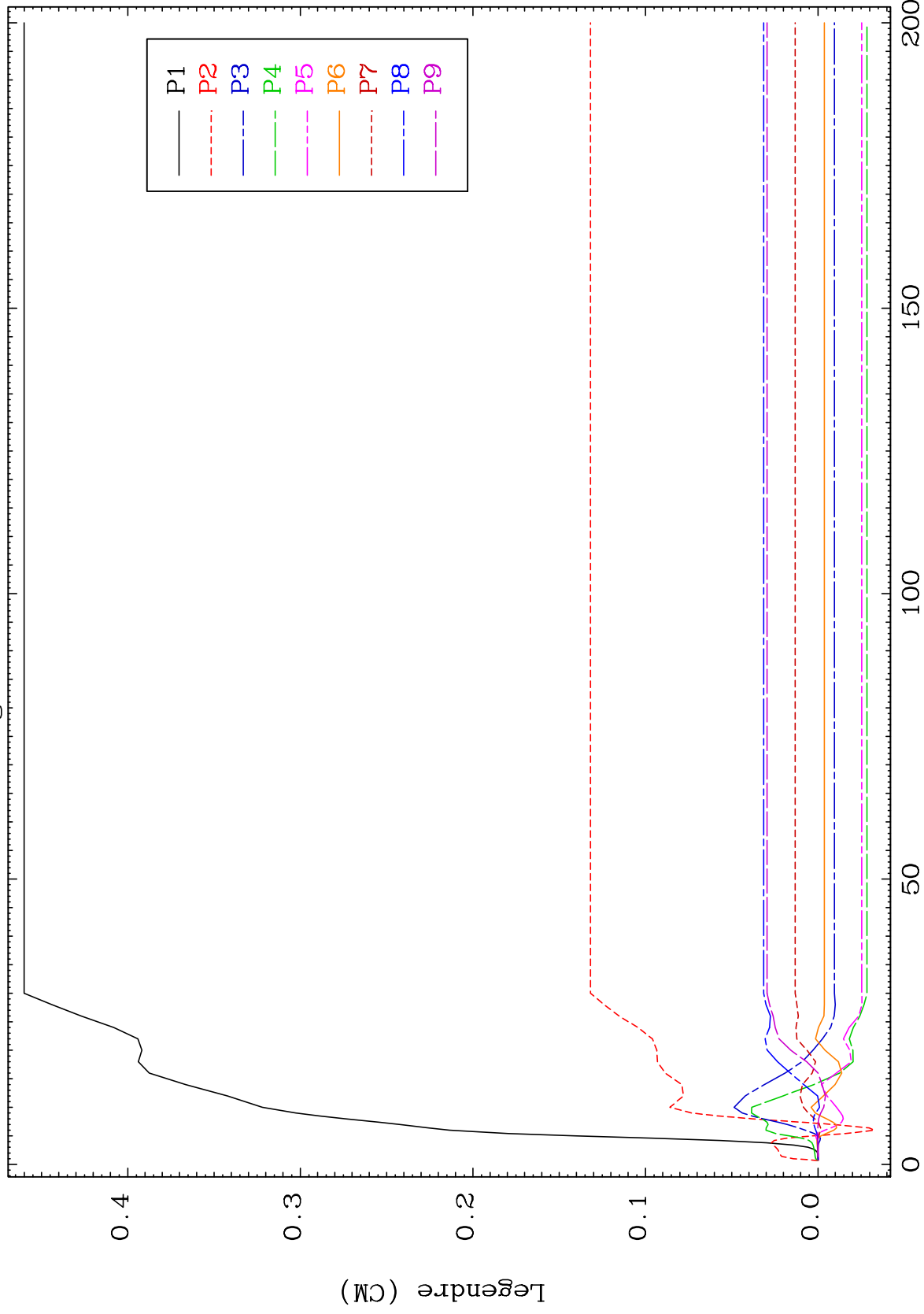
70-Yb-169



MAT 7028

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

70-Yb-169



82

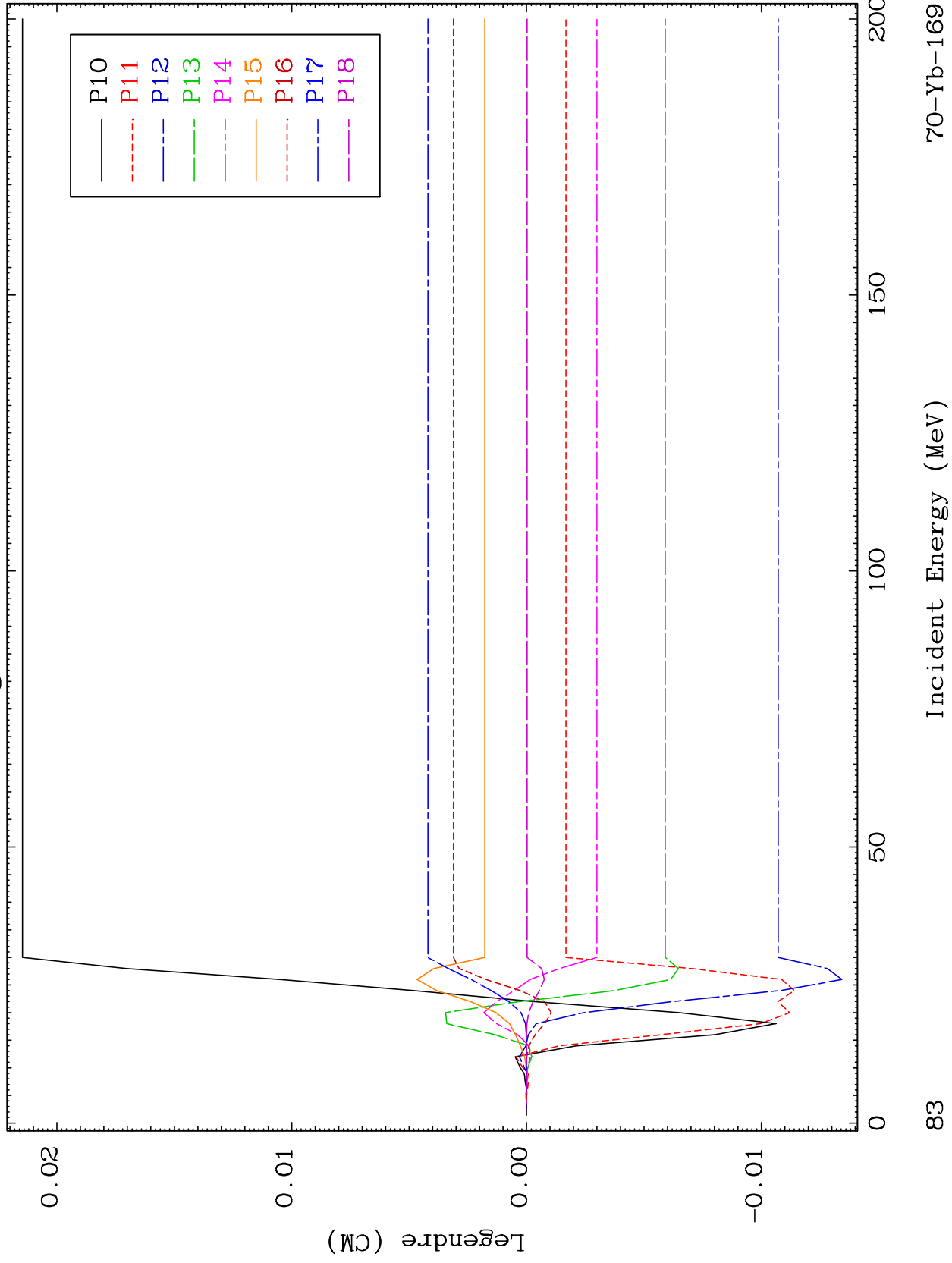
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

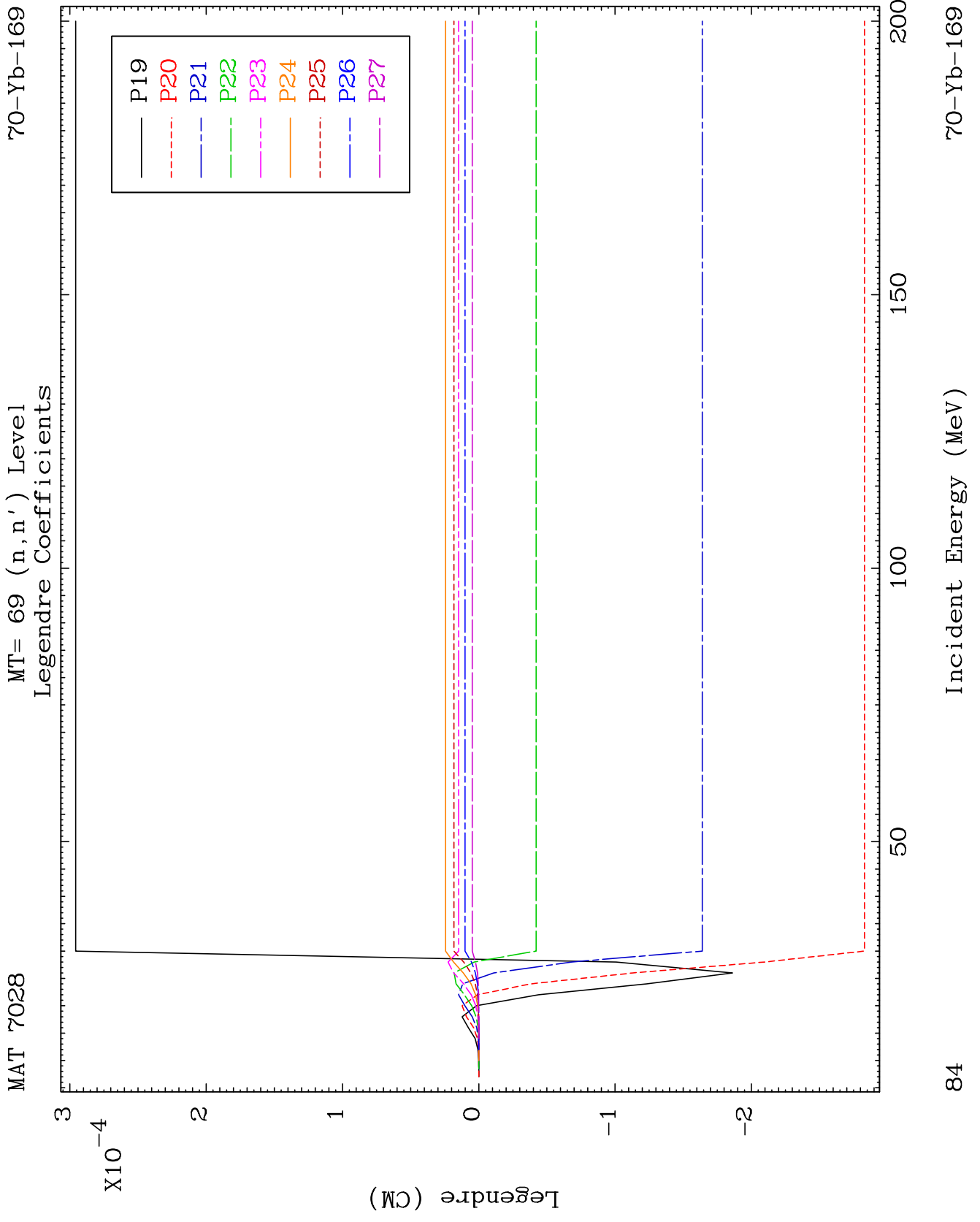
70-Yb-169



83

Incident Energy (MeV)

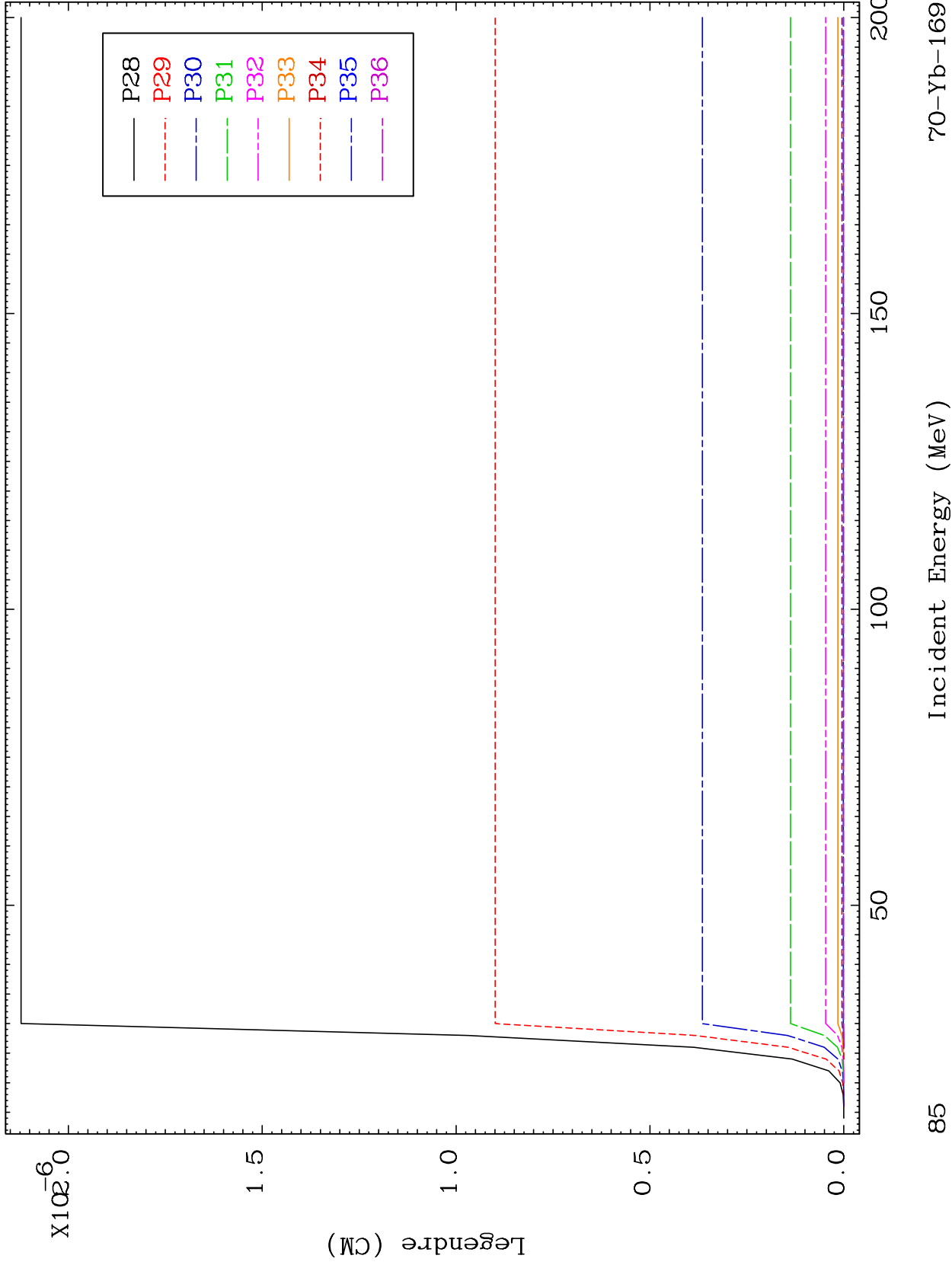
70-Yb-169



MAT 7028

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

70-Yb-169



85

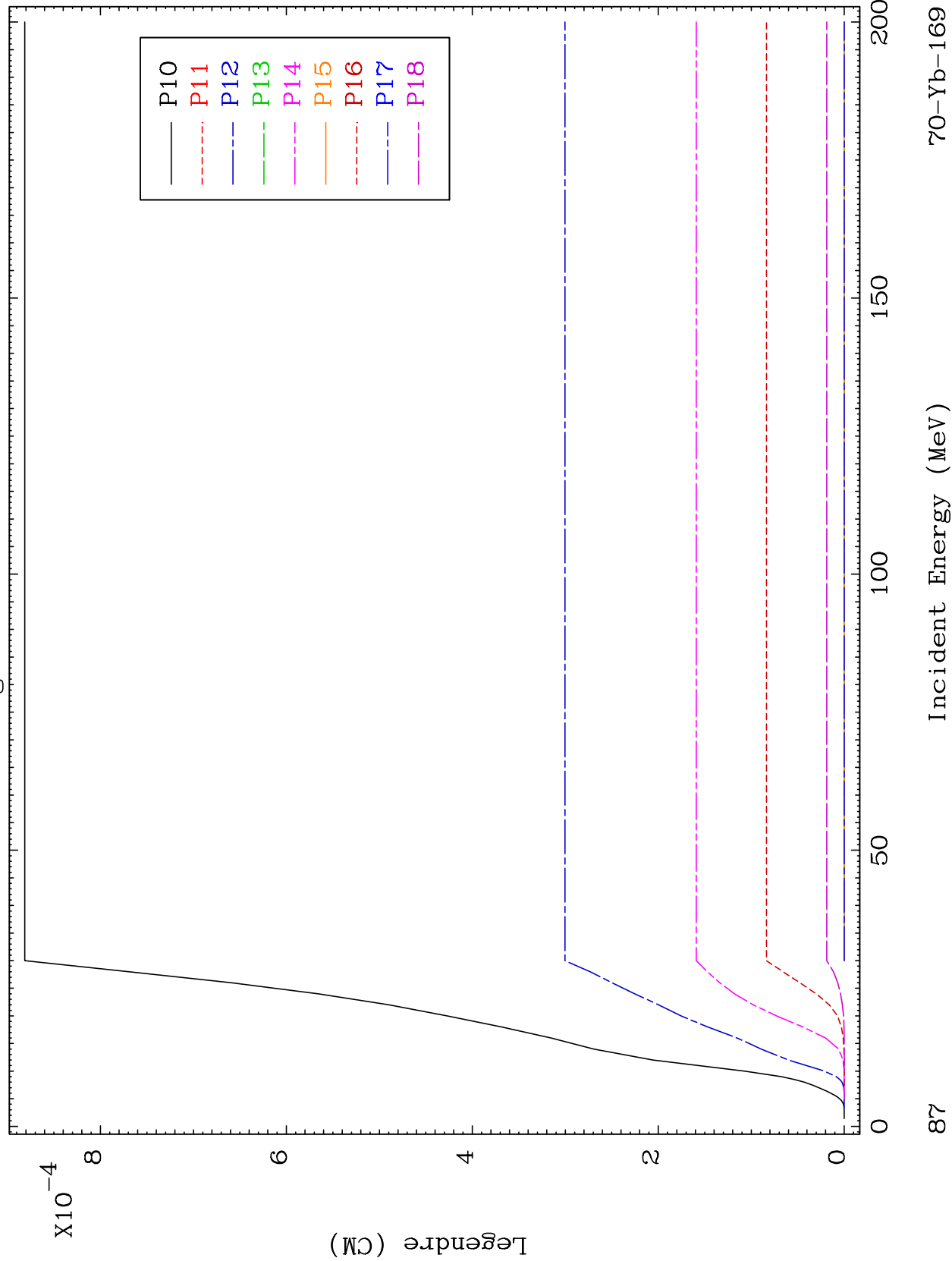
Incident Energy (MeV)

70-Yb-169

MAT 7028

MT= 70 (n,n') Level
Legendre Coefficients

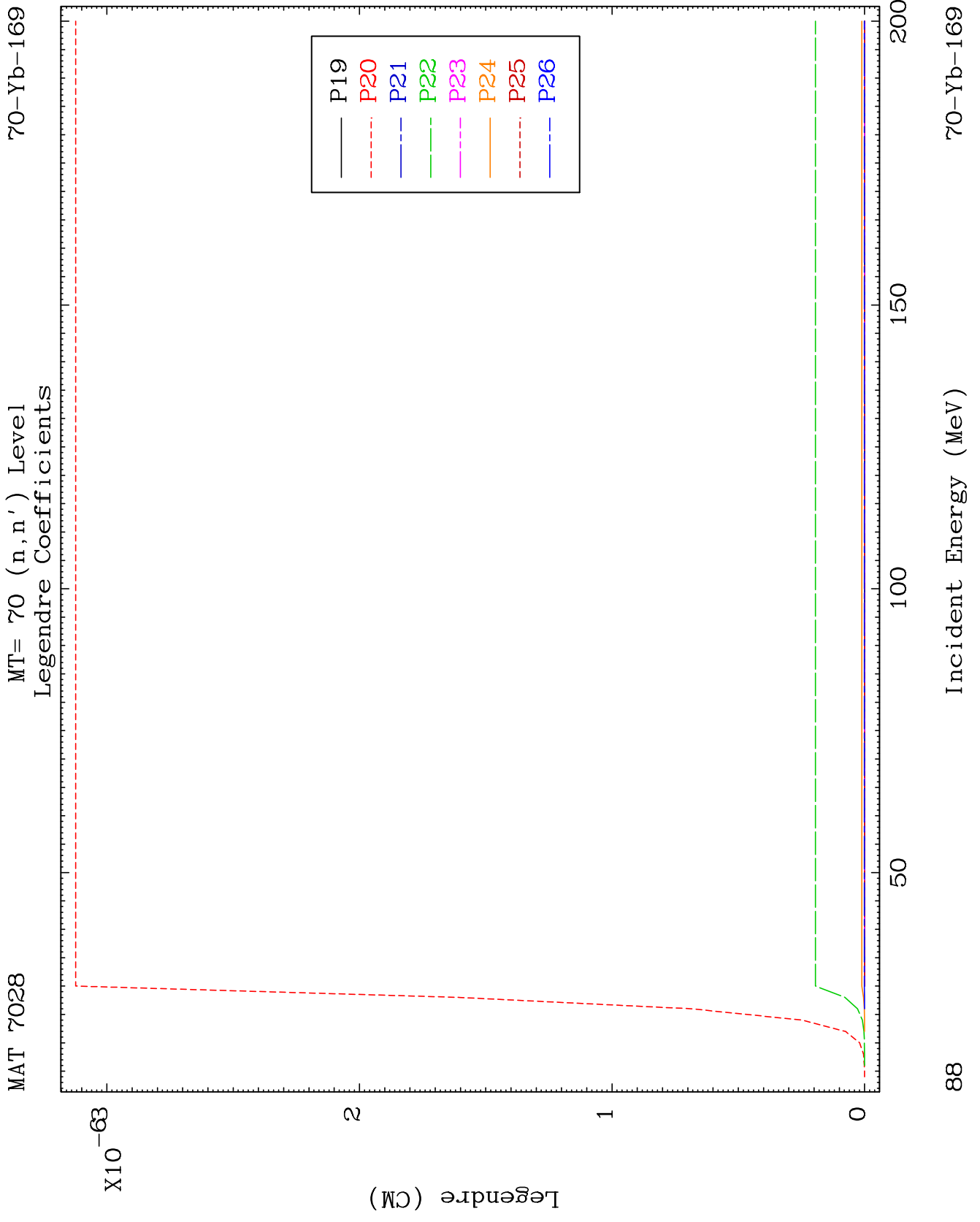
70-Yb-169

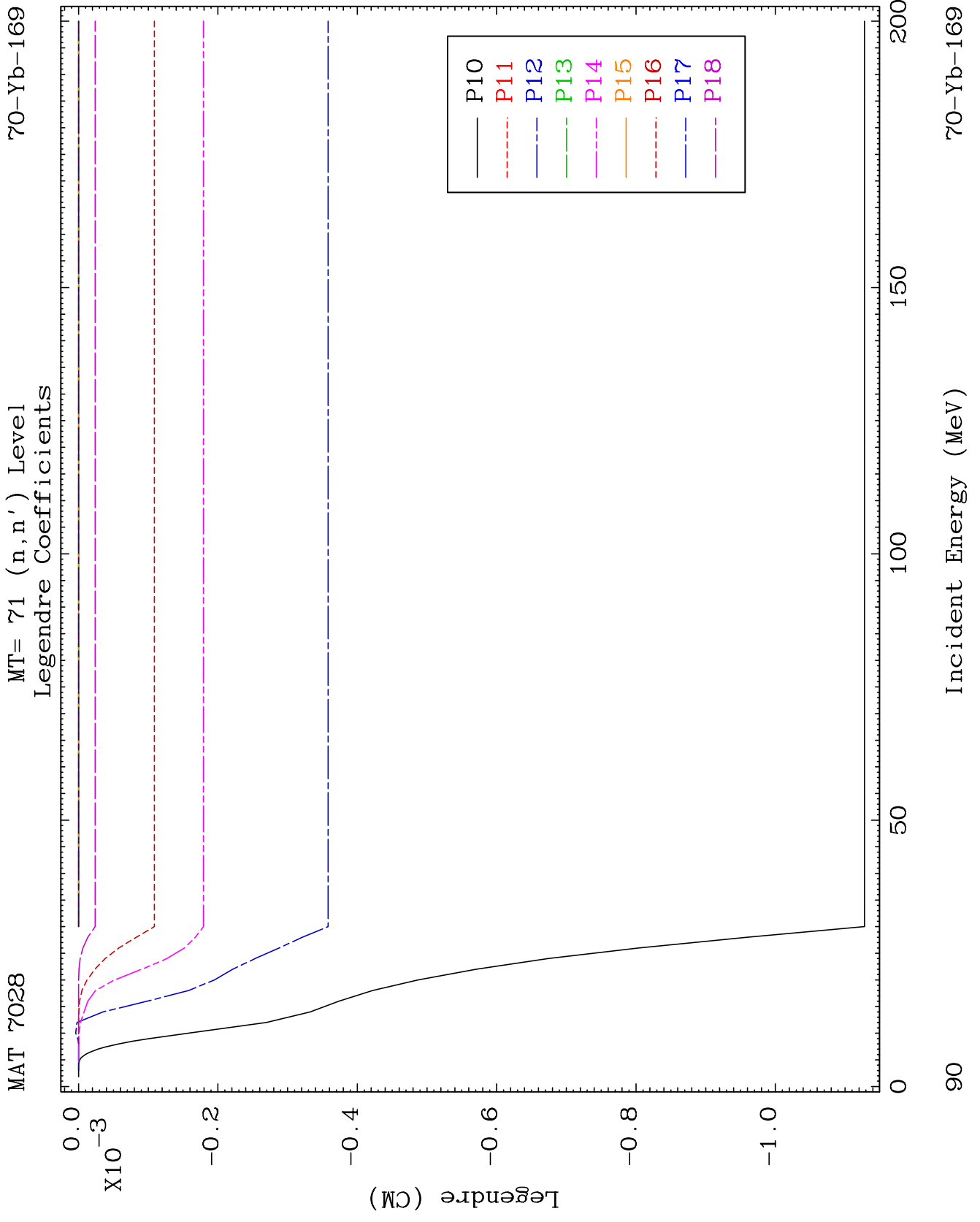


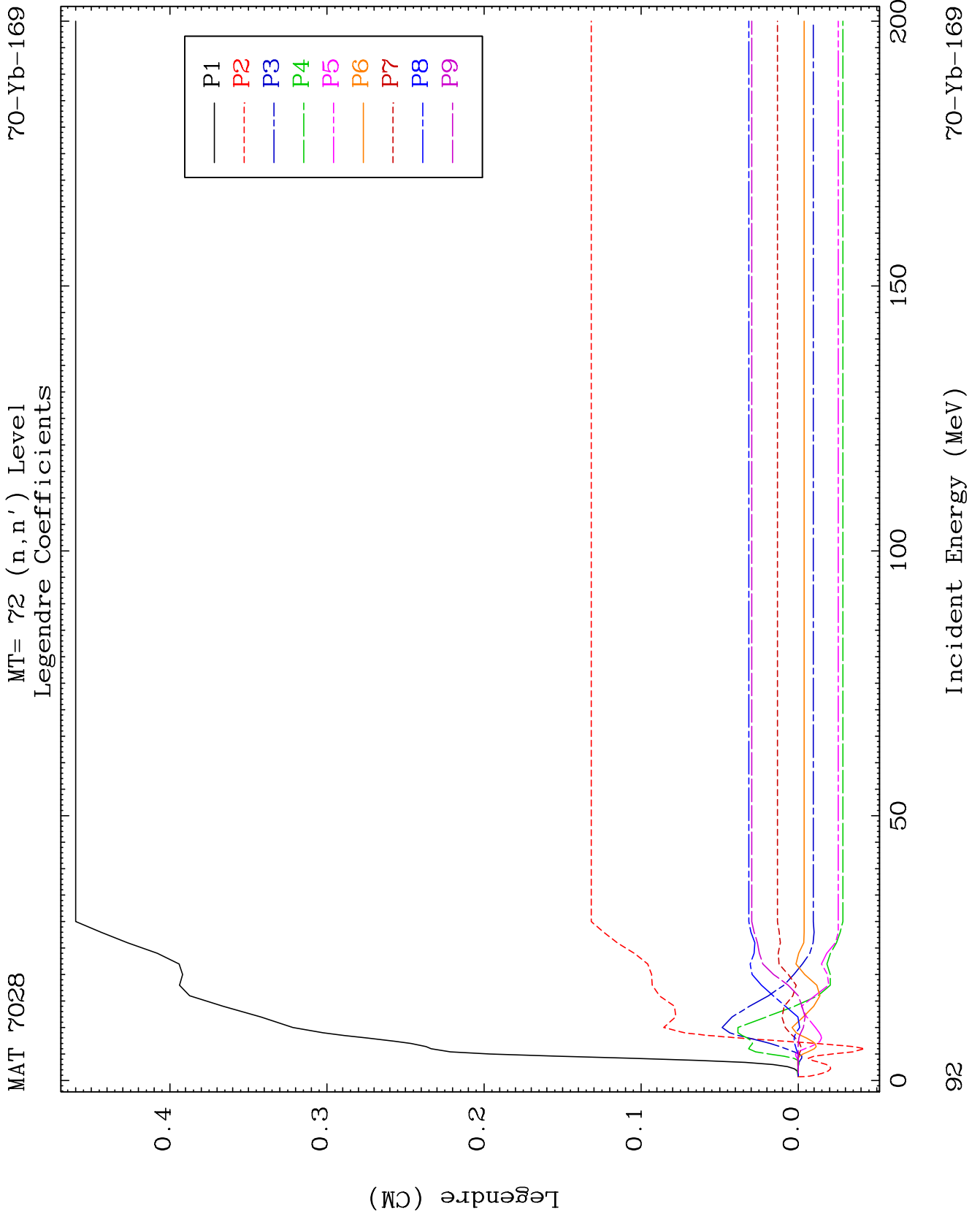
87

Incident Energy (MeV)

70-Yb-169



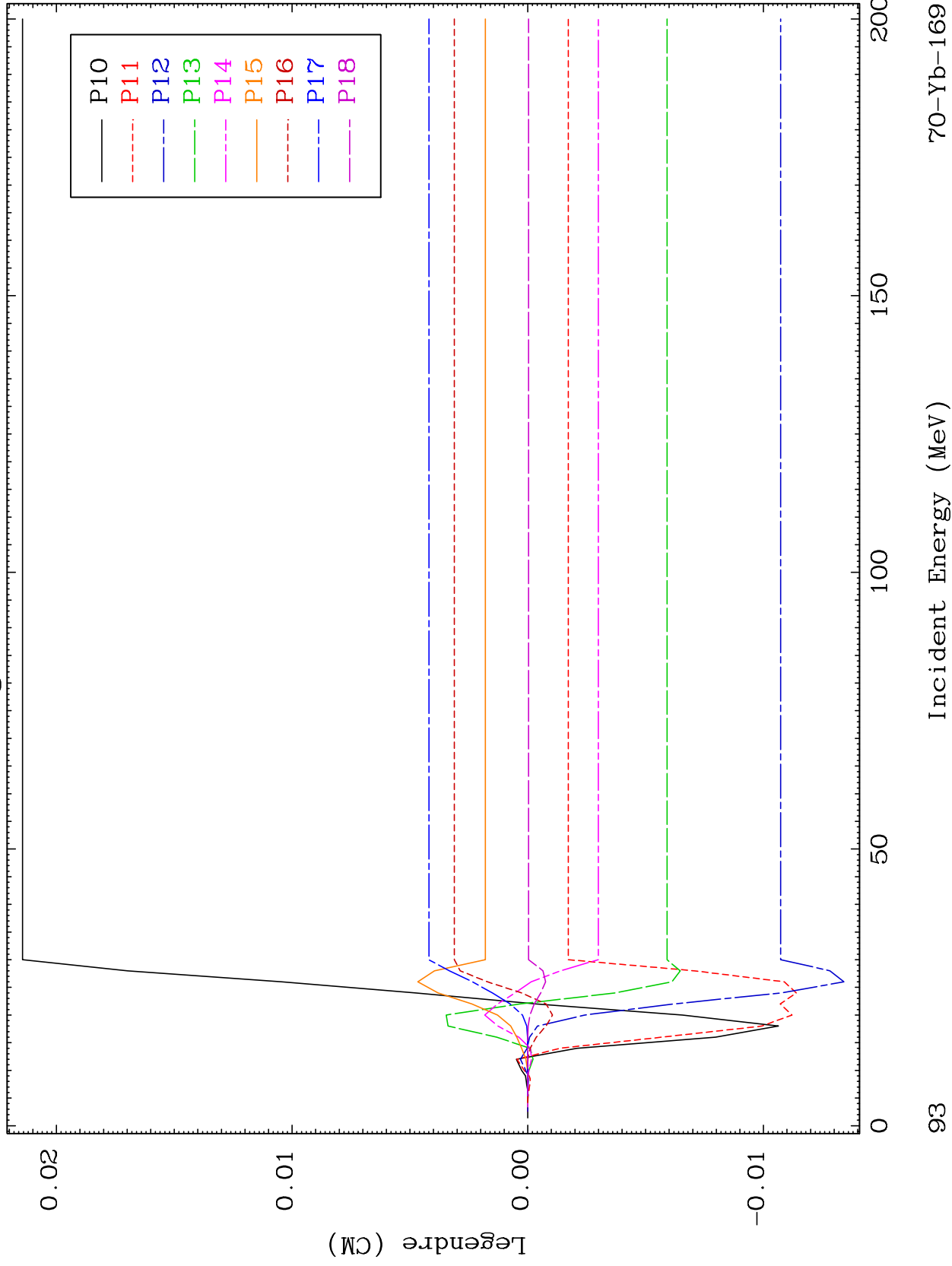




MAT 7028

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

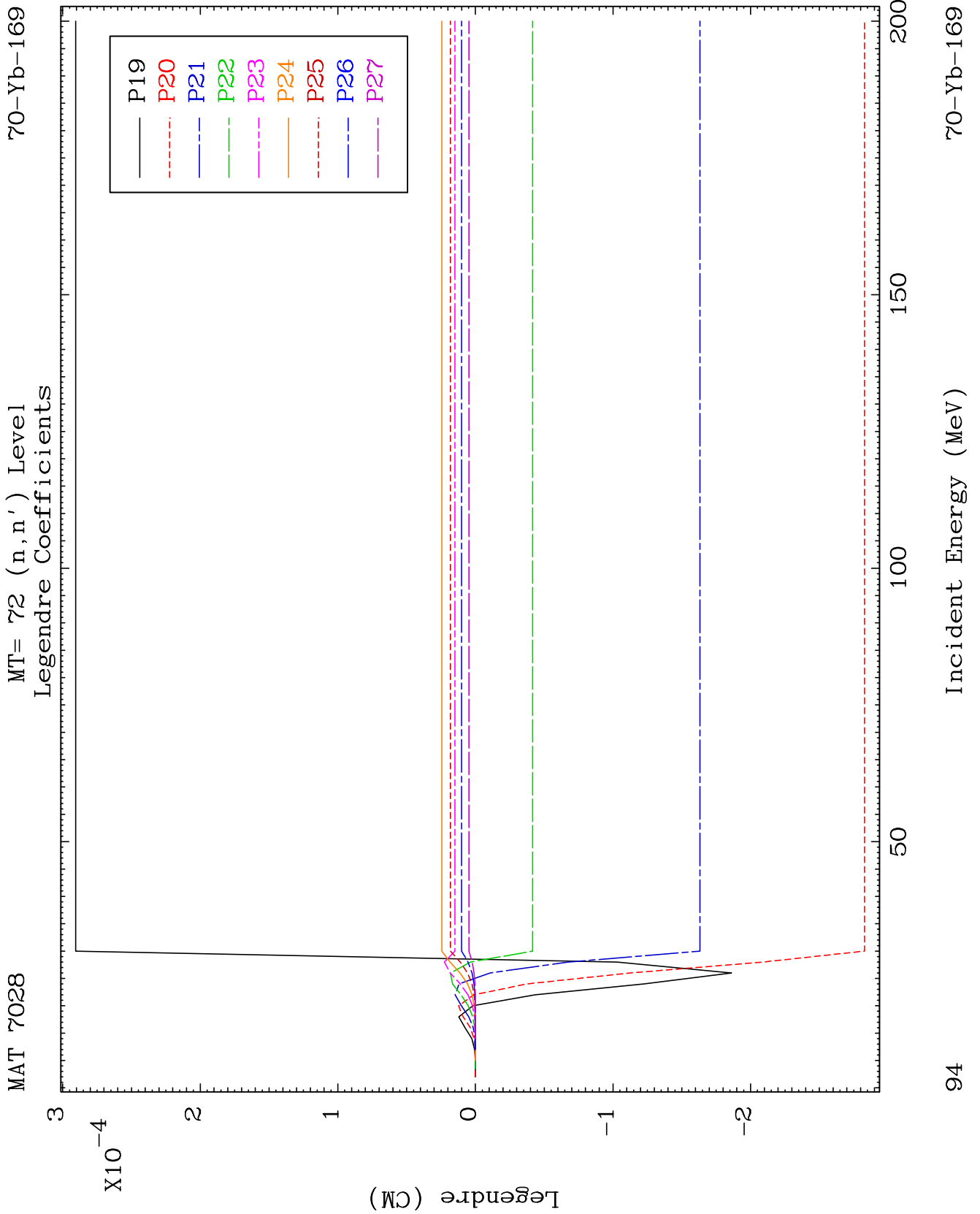
70-Yb-169

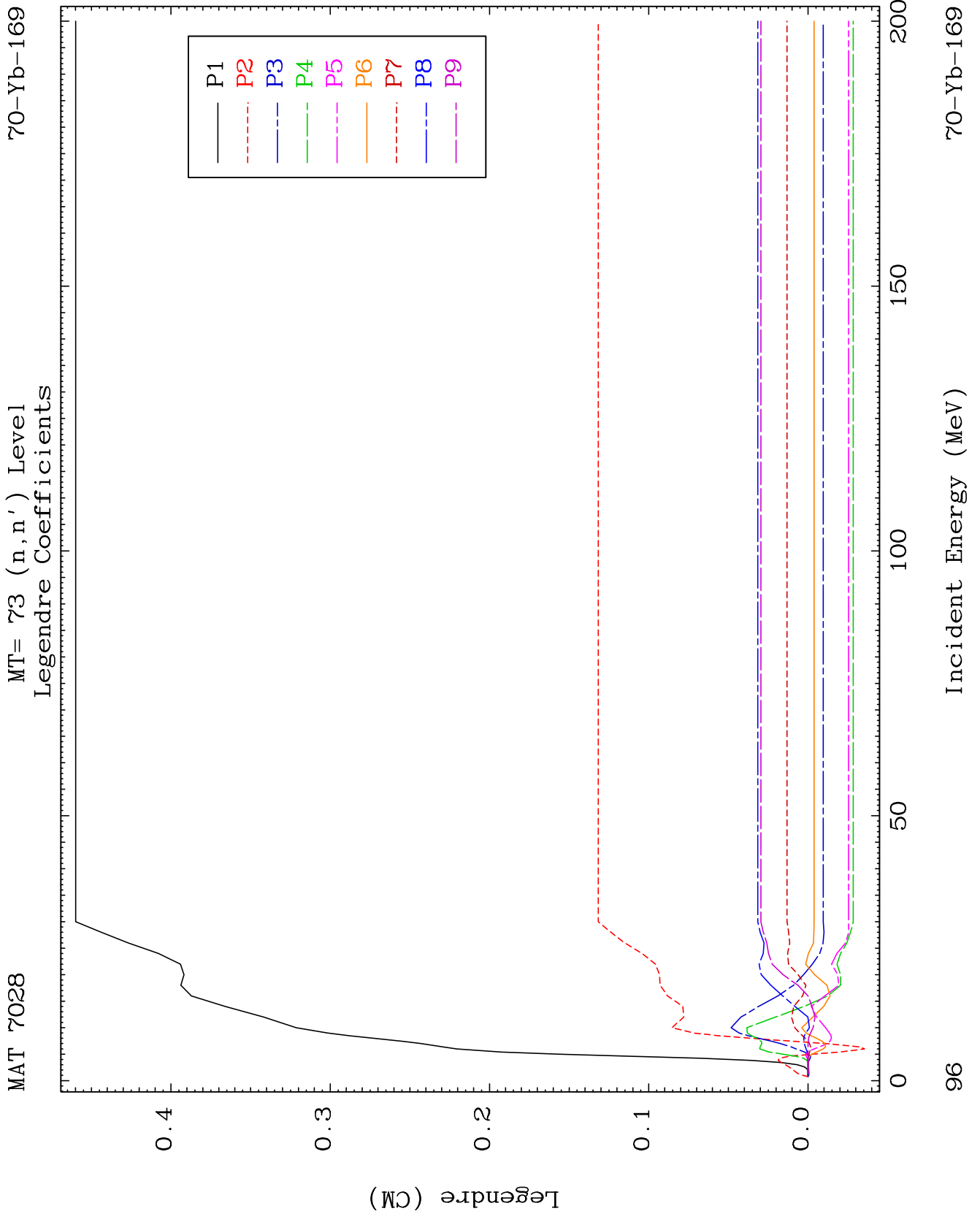


93

Incident Energy (MeV)

70-Yb-169

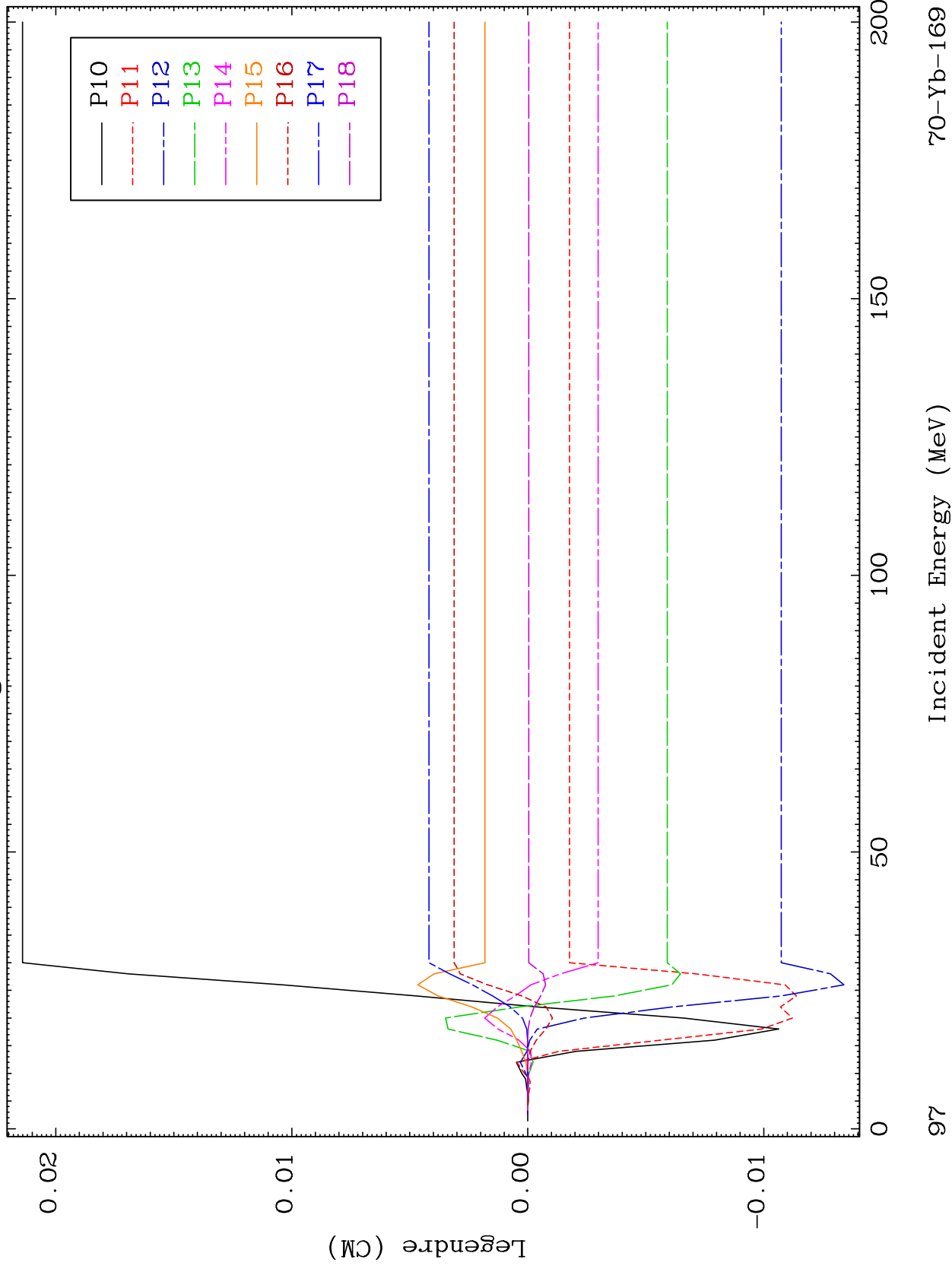




MAT 7028

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

70-Yb-169



97

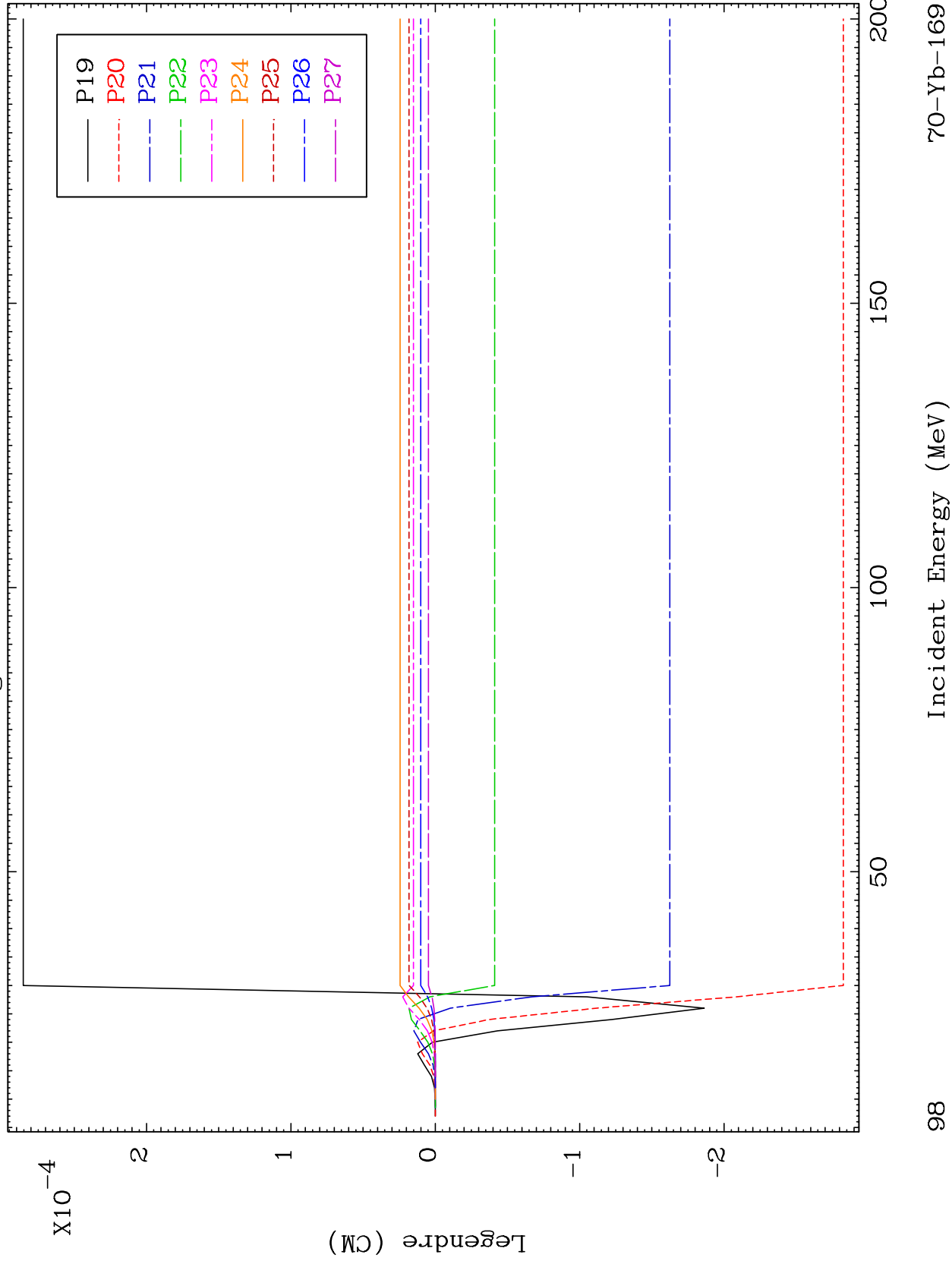
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

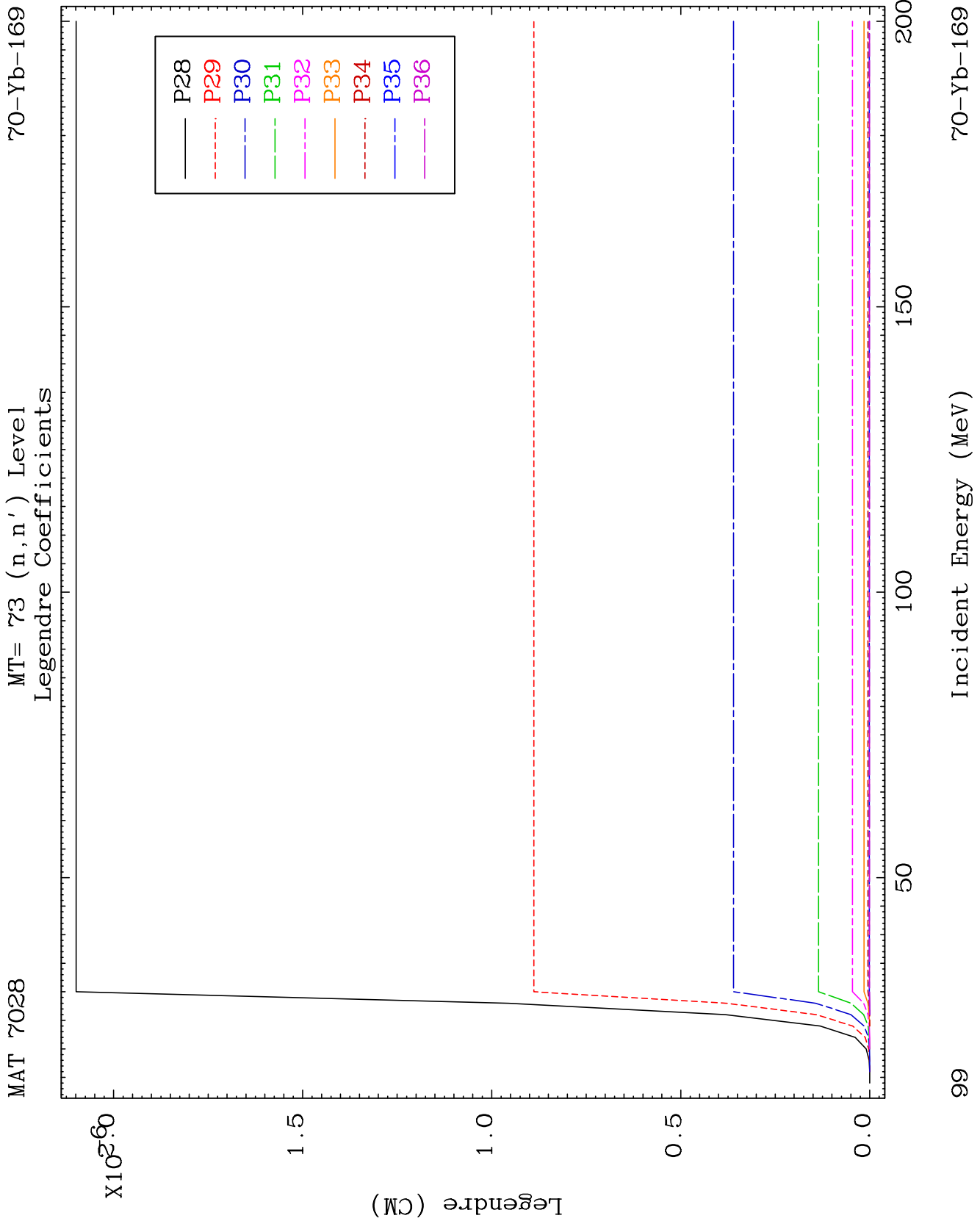
70-Yb-169

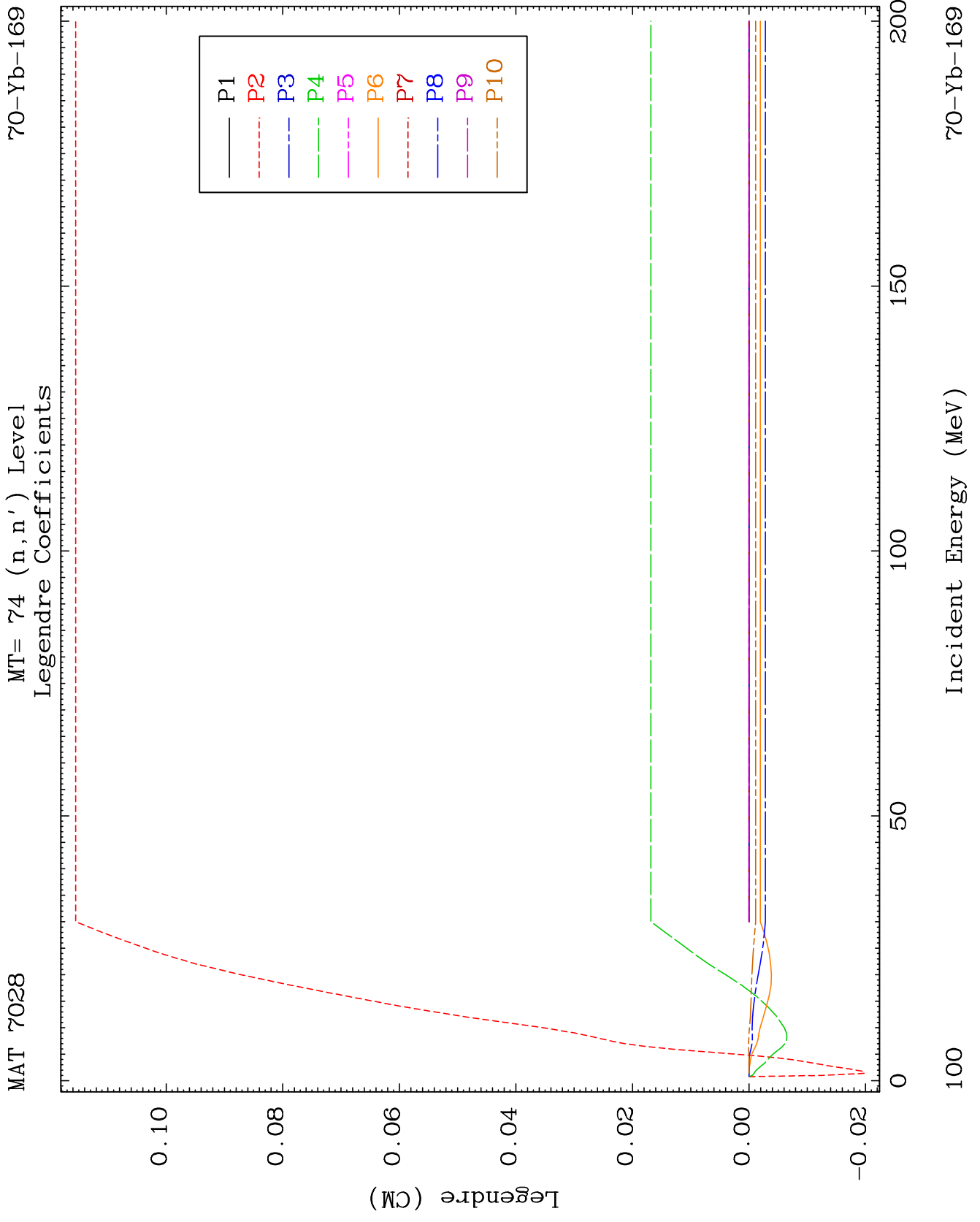


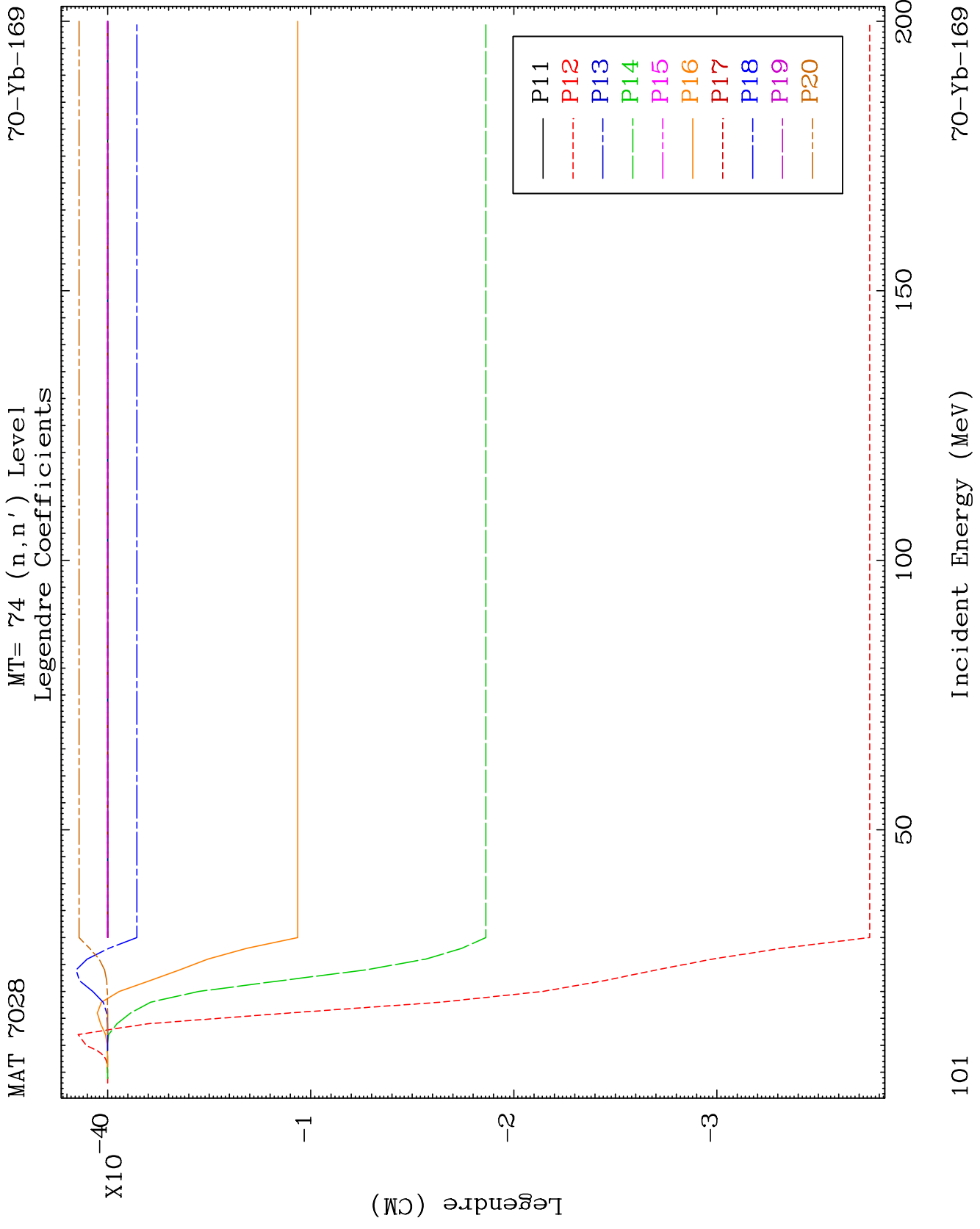
98

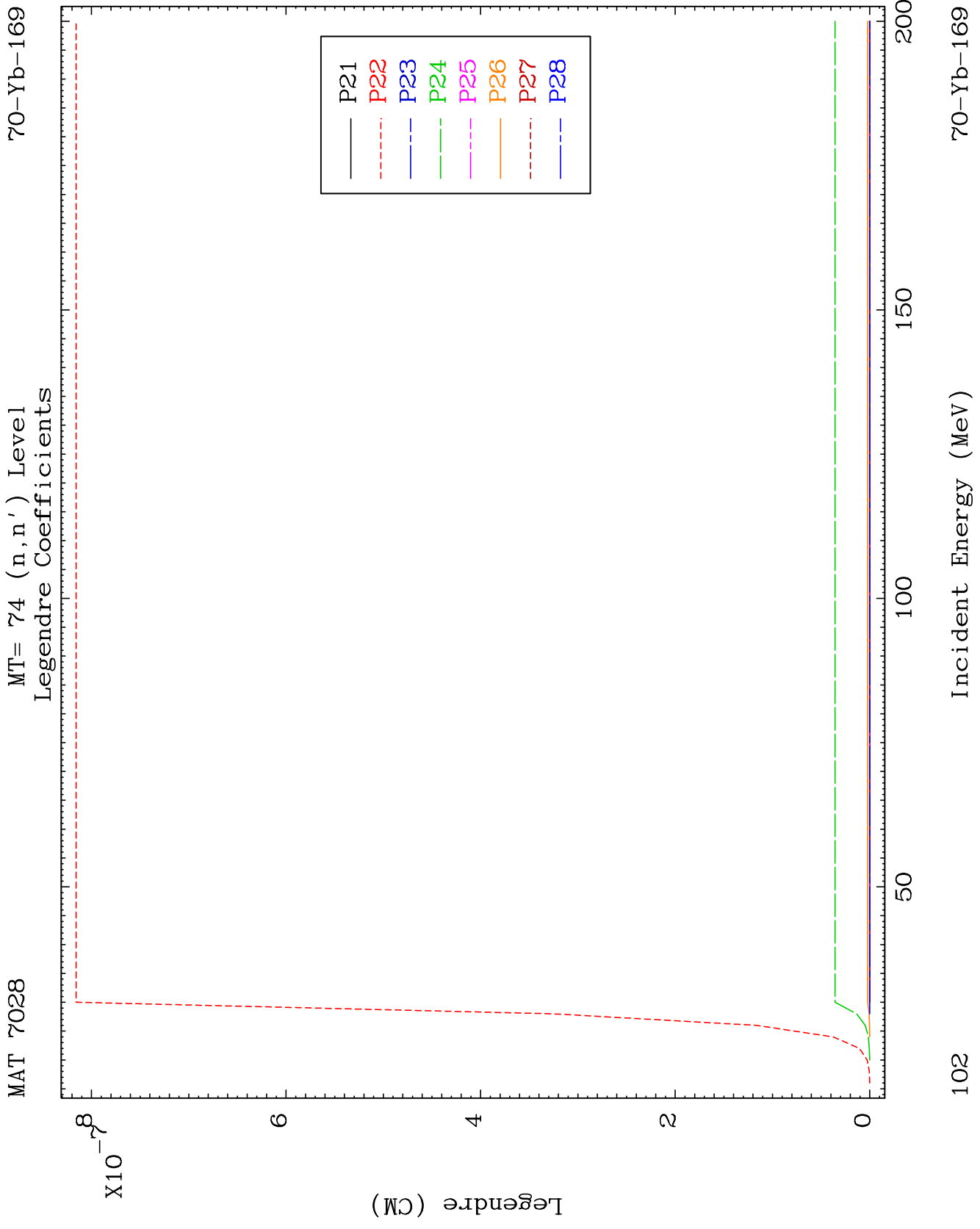
Incident Energy (MeV)

70-Yb-169





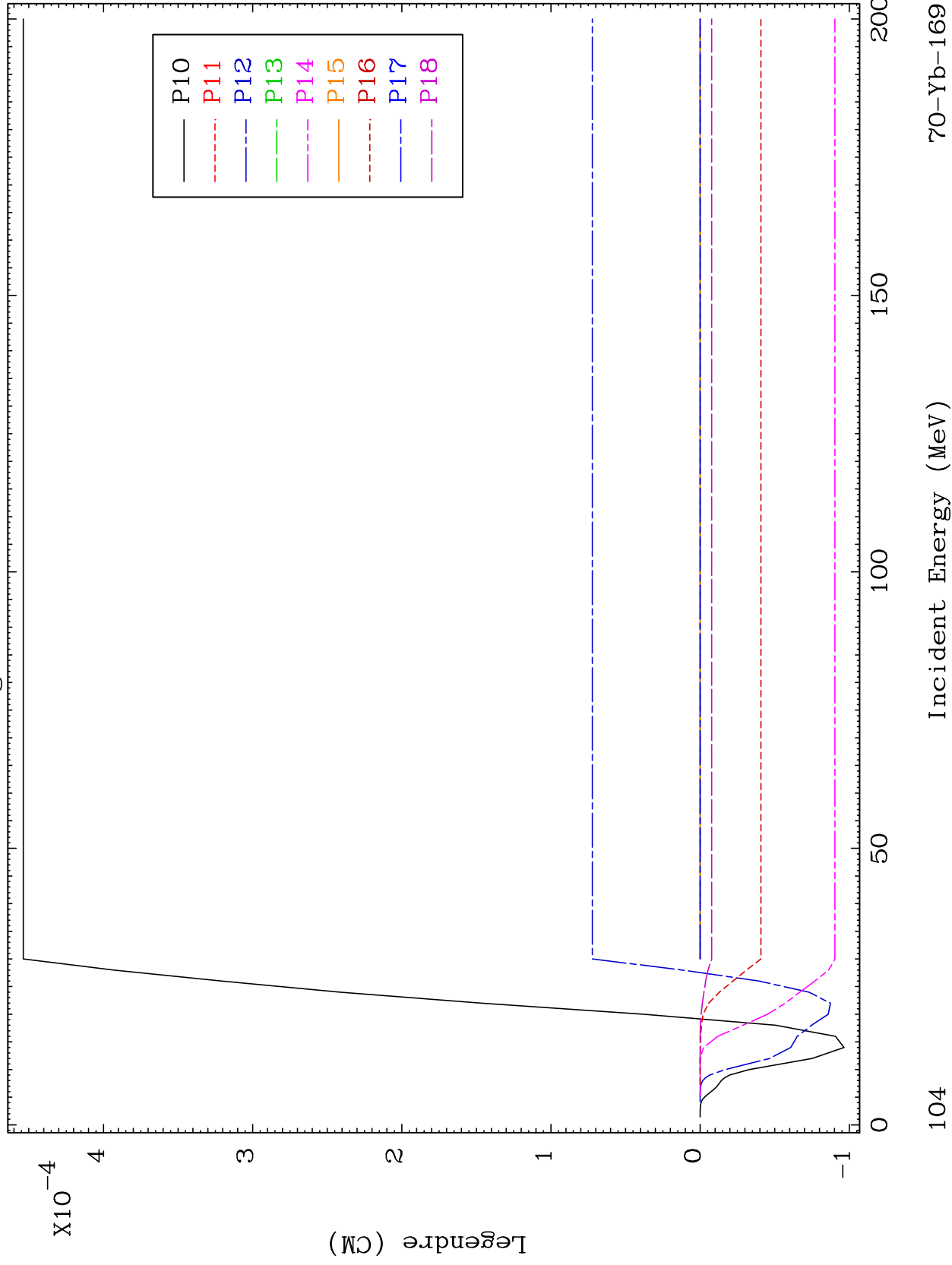


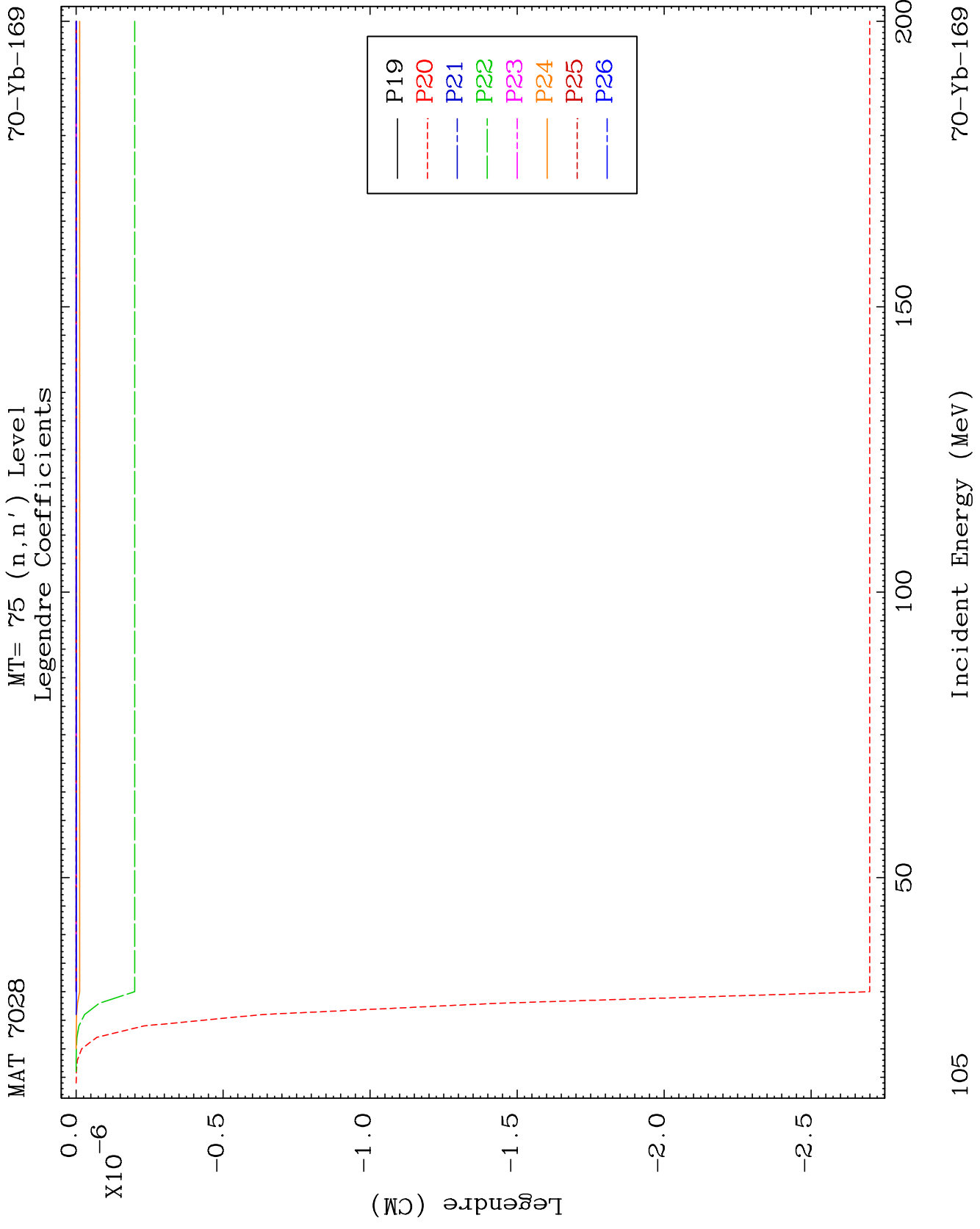


MAT 7028

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

70-Yb-169

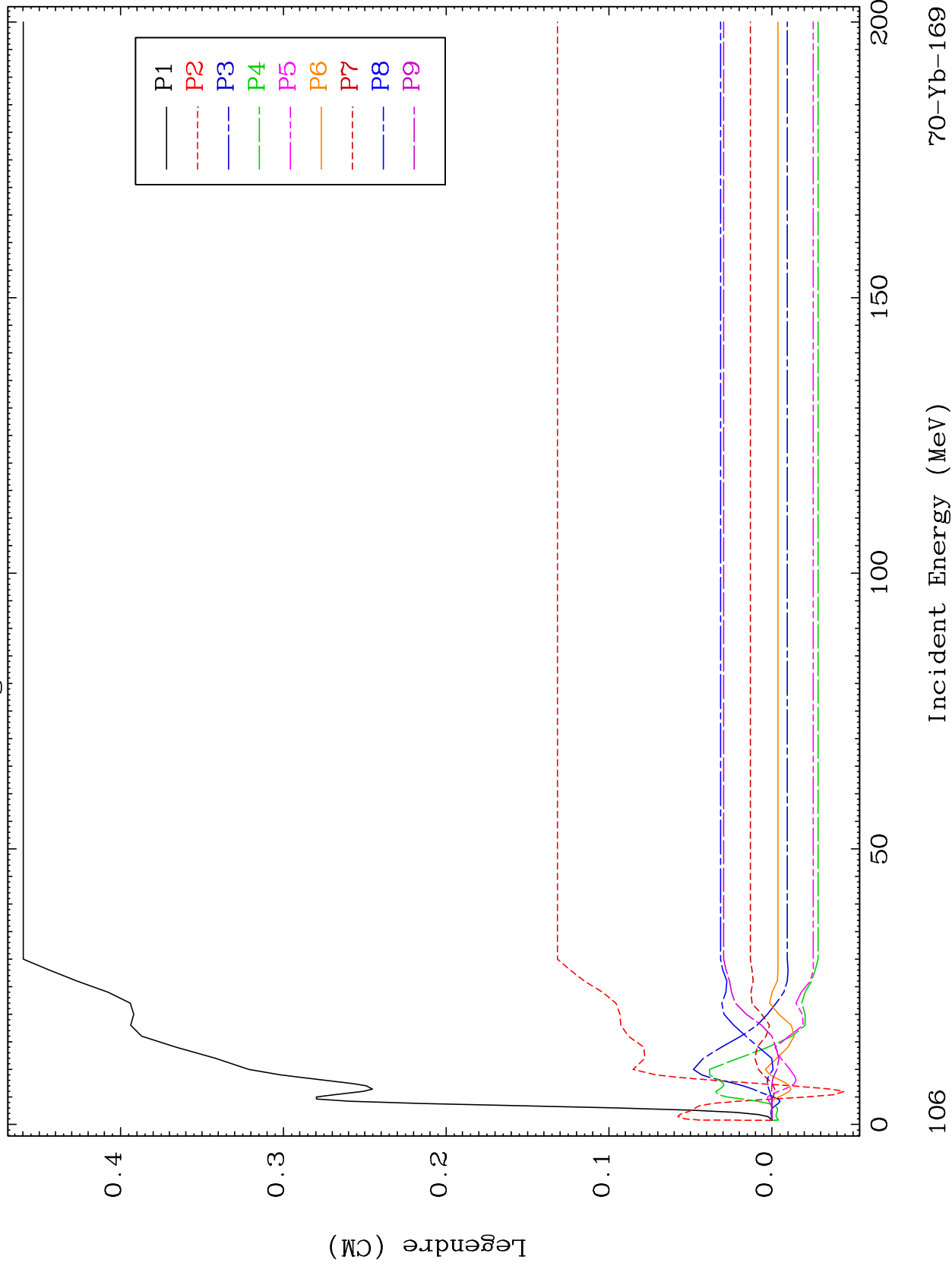




MAT 7028

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

70-Yb-169



70-Yb-169

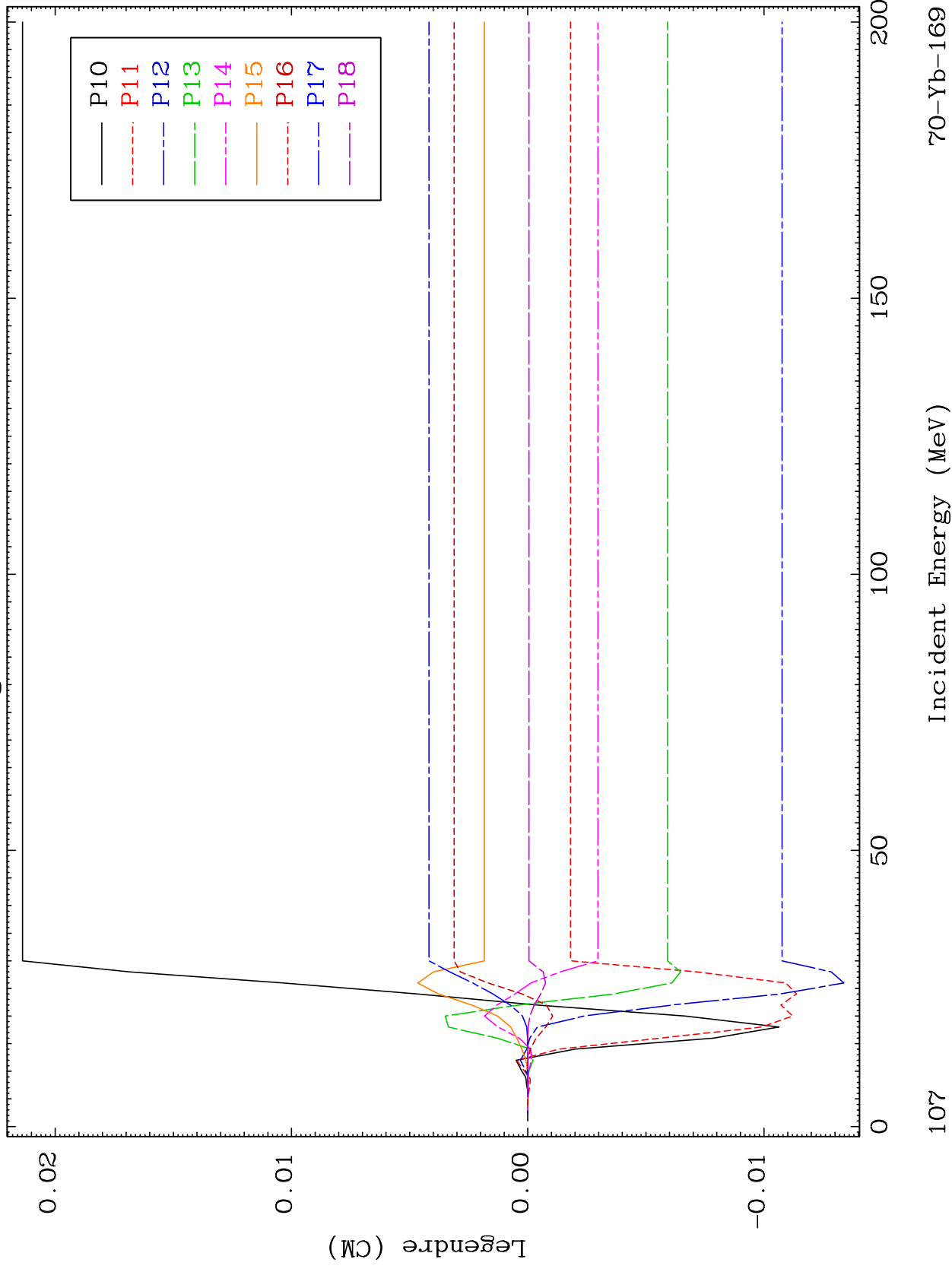
Incident Energy (MeV)

106

MAT 7028

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

70-Yb-169



70-Yb-169

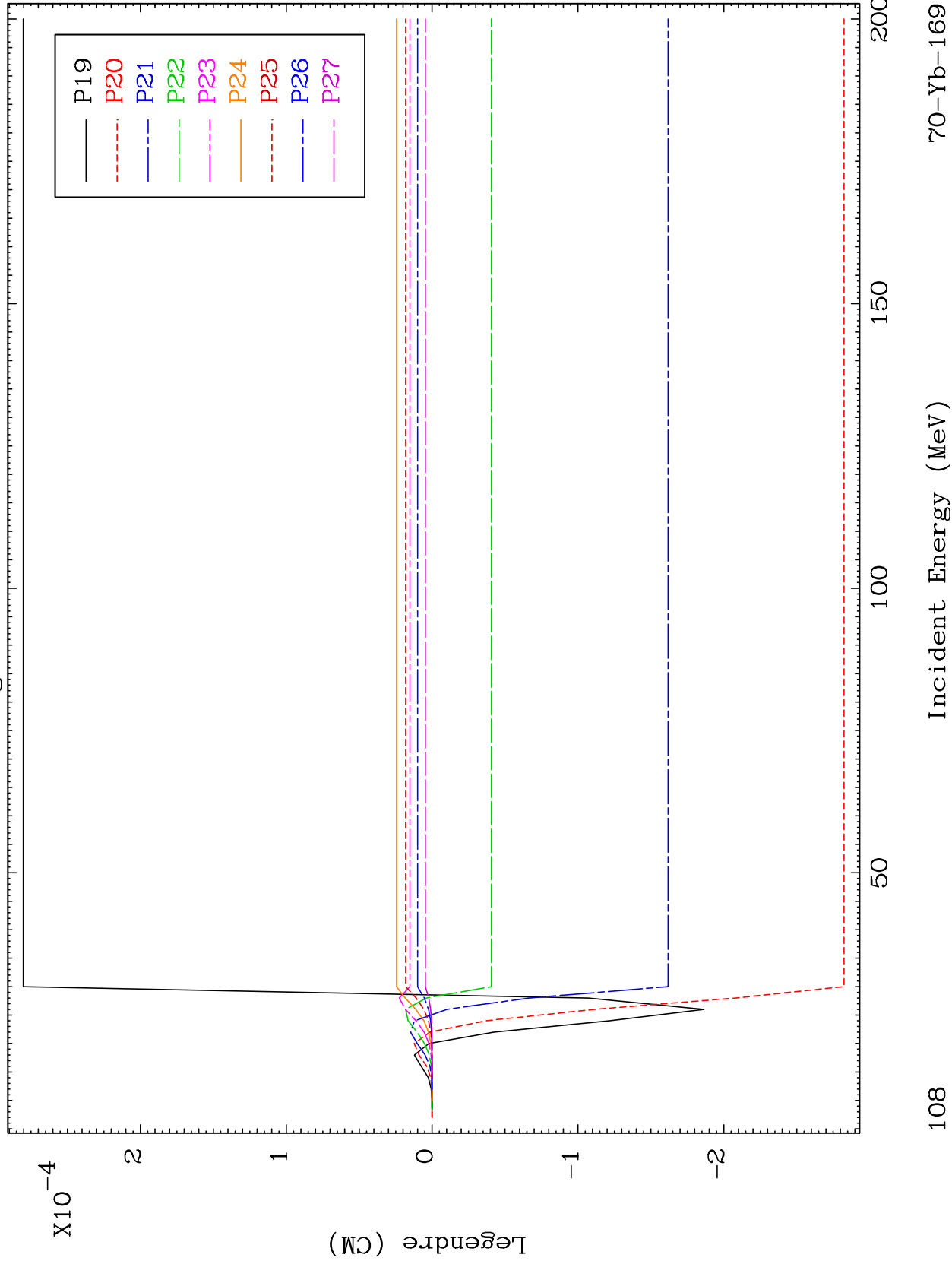
Incident Energy (MeV)

107

MAT 7028

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

70-Yb-169



108

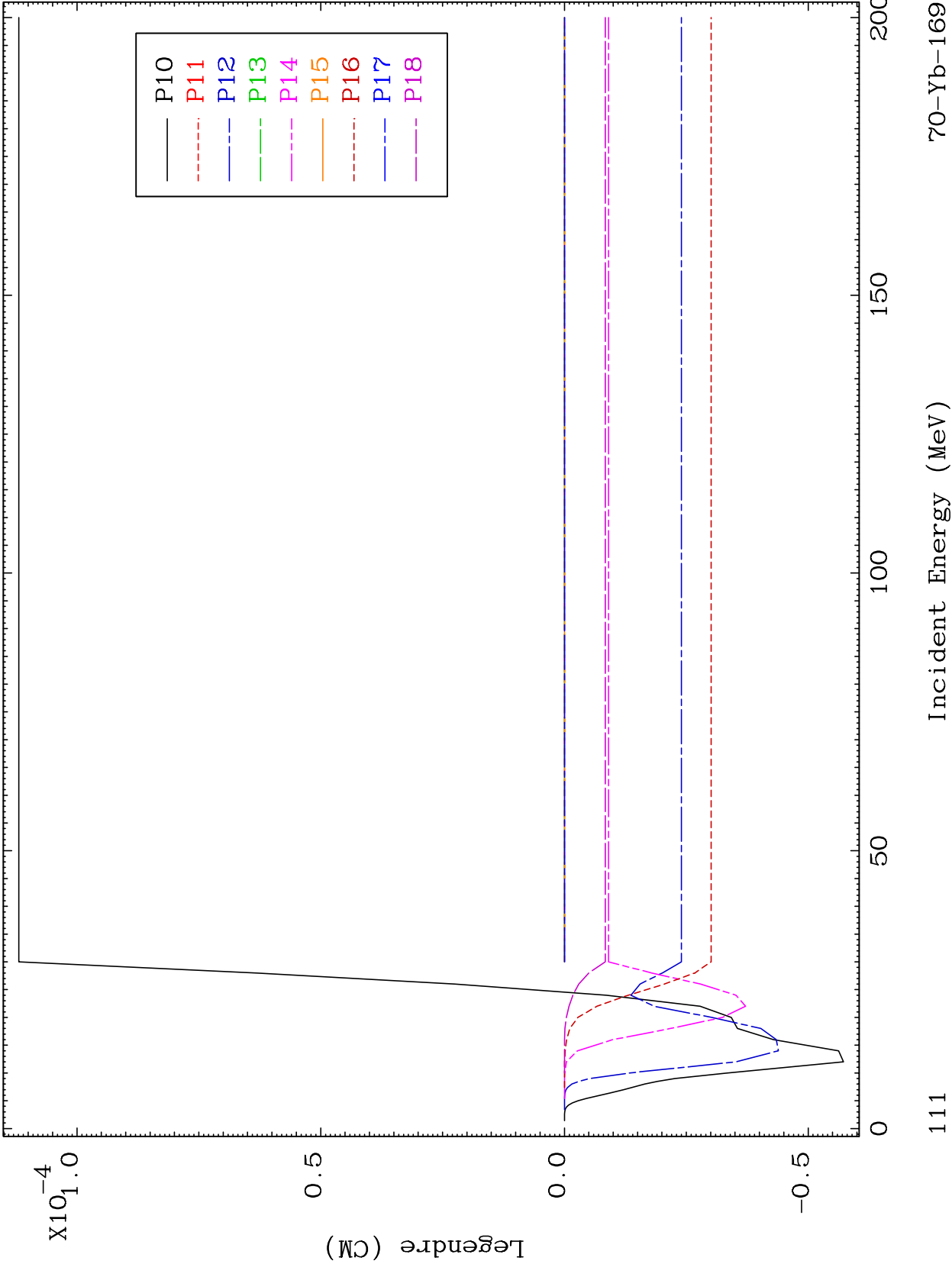
Incident Energy (MeV)

70-Yb-169

MAT 7028

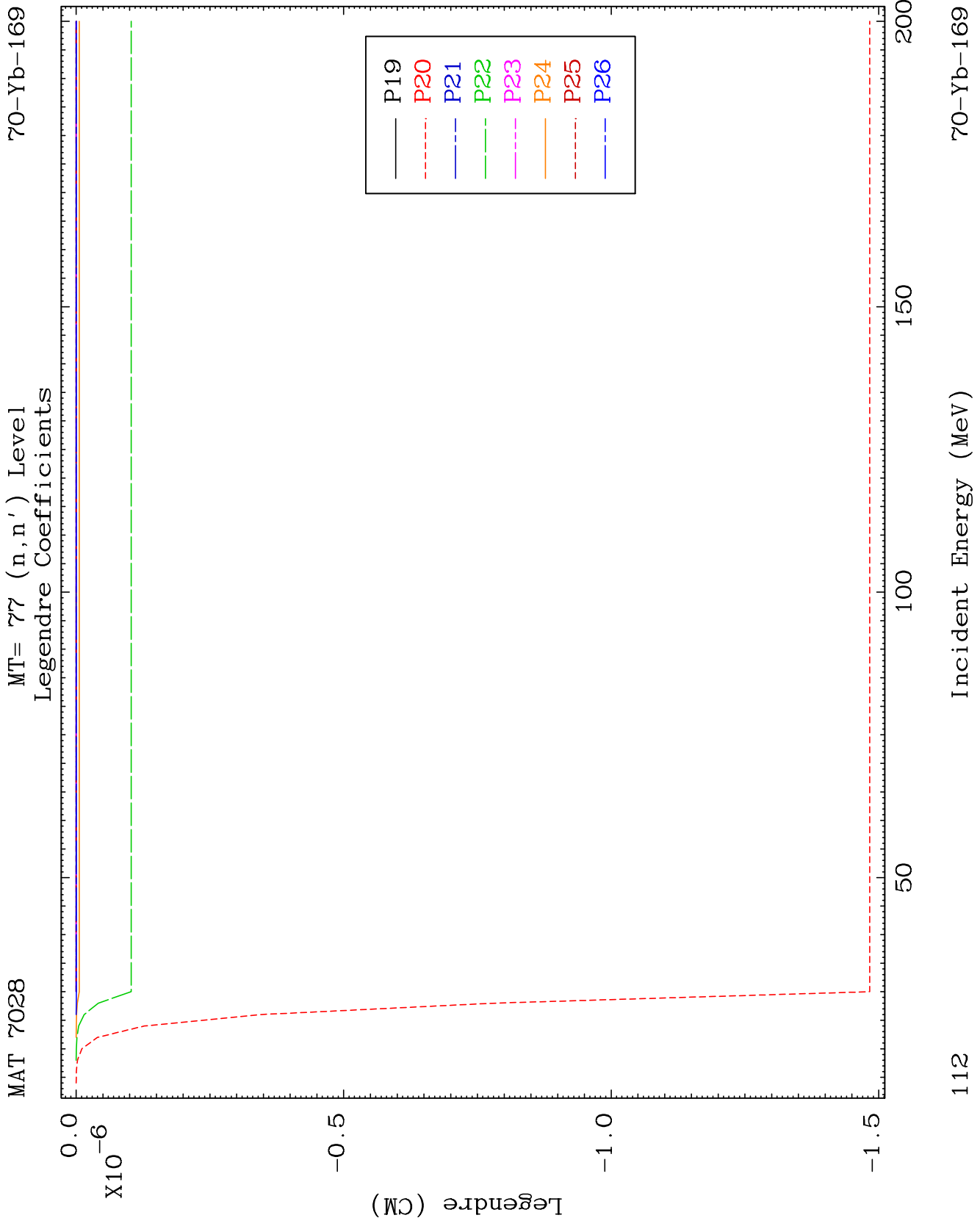
MT= 77 (n,n') Level
Legendre Coefficients

70-Yb-169



111

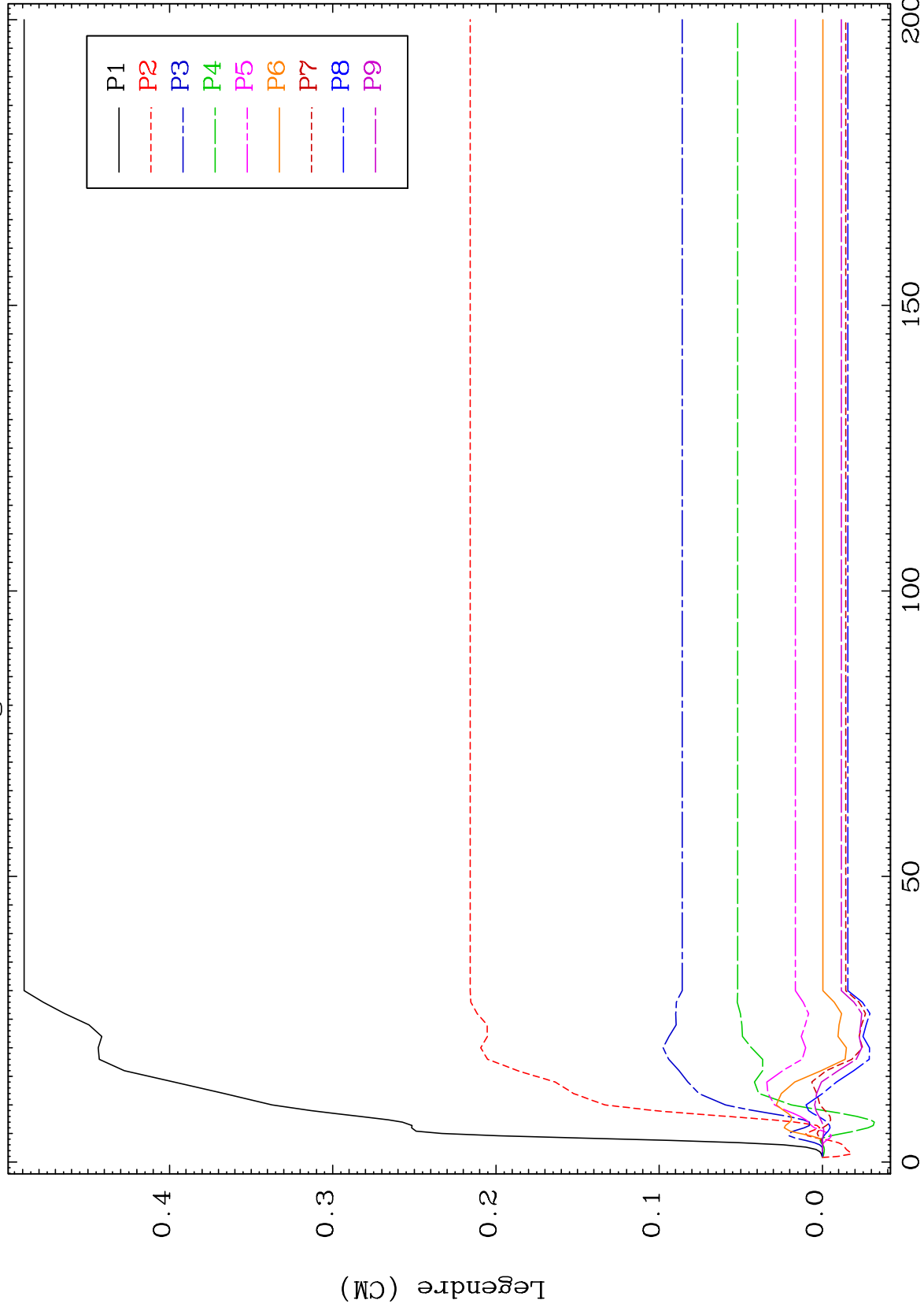
70-Yb-169



MAT 7028

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

70-Yb-169



70-Yb-169

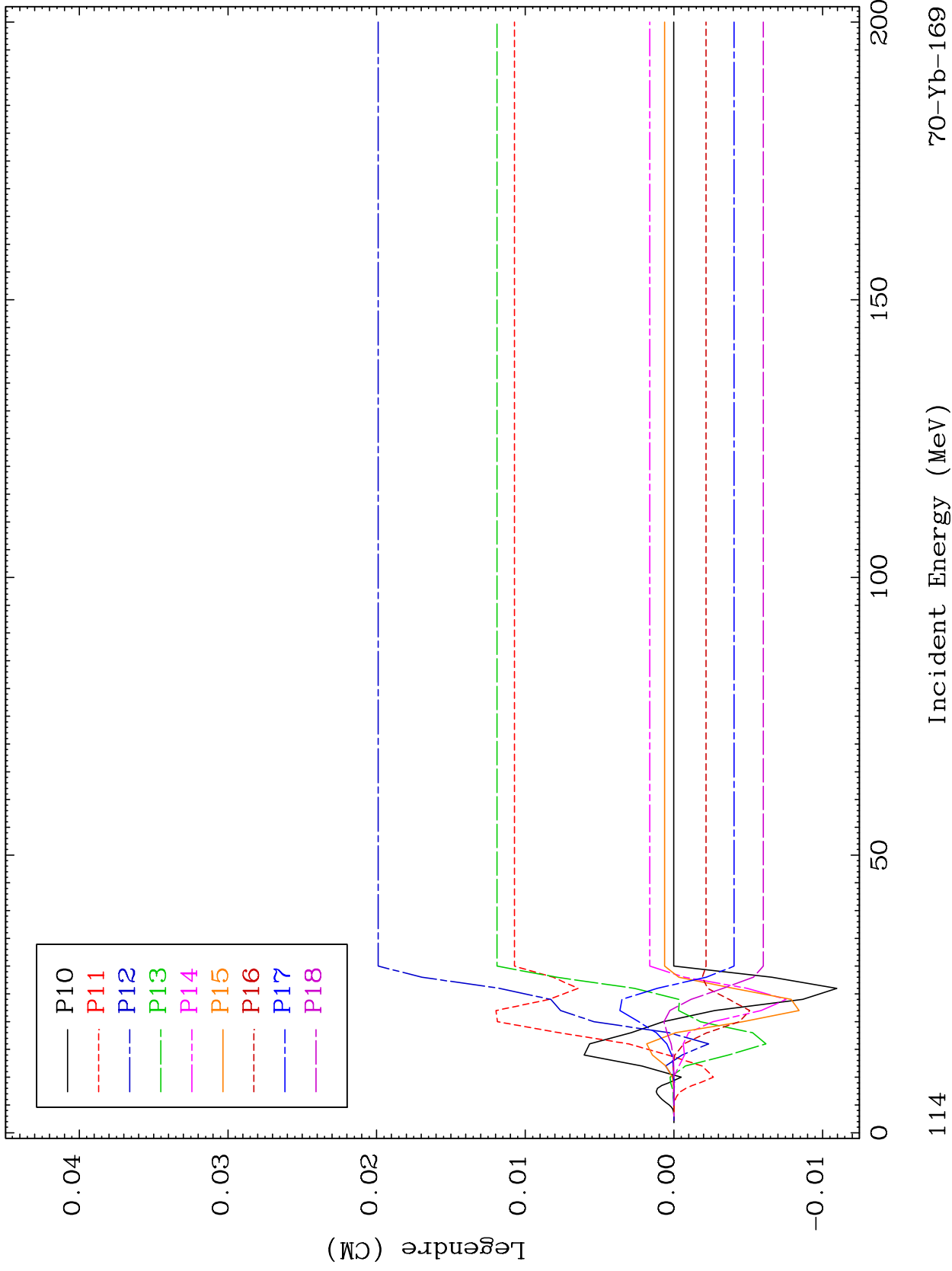
Incident Energy (MeV)

113

MAT 7028

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

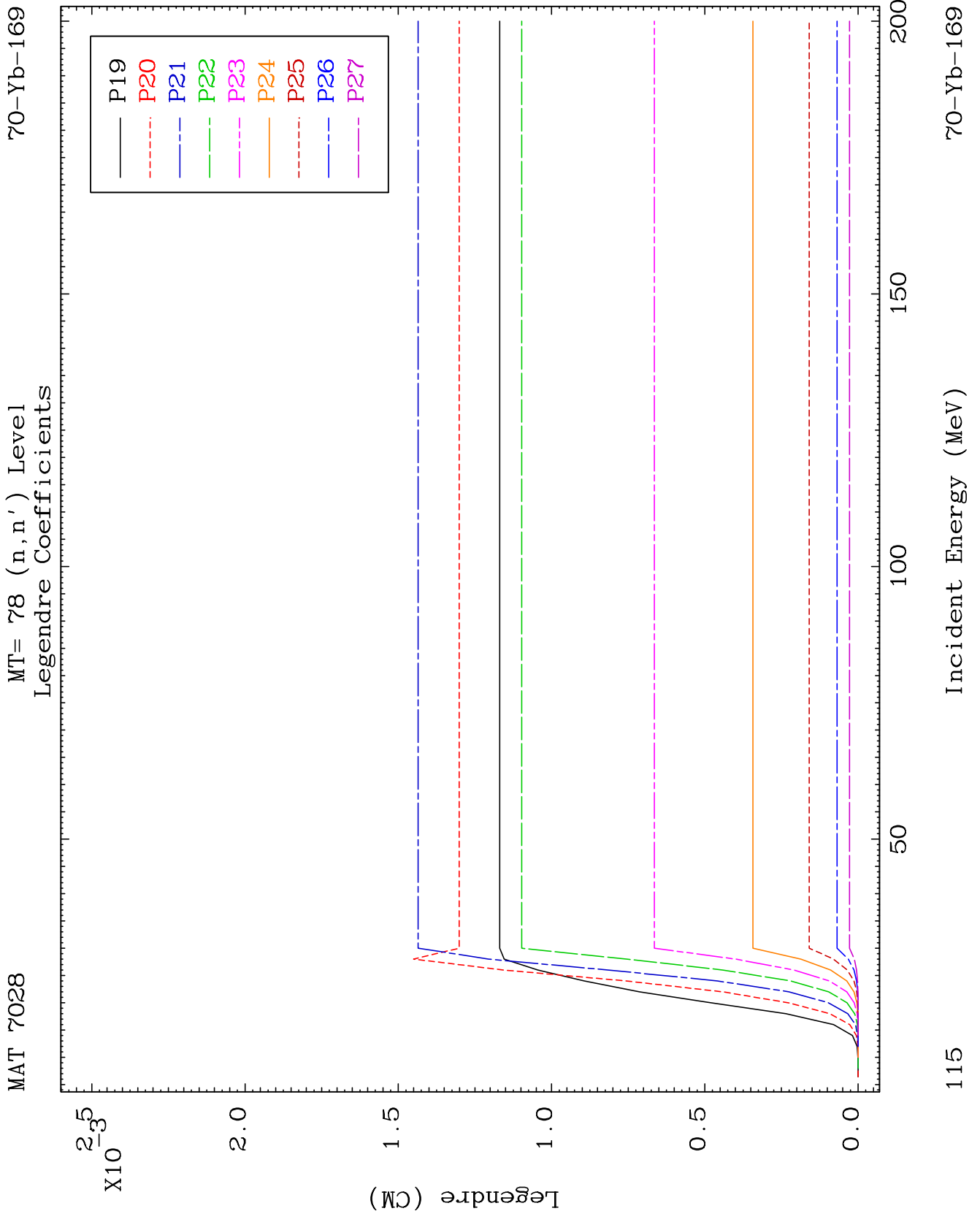
70-Yb-169



114

Incident Energy (MeV)

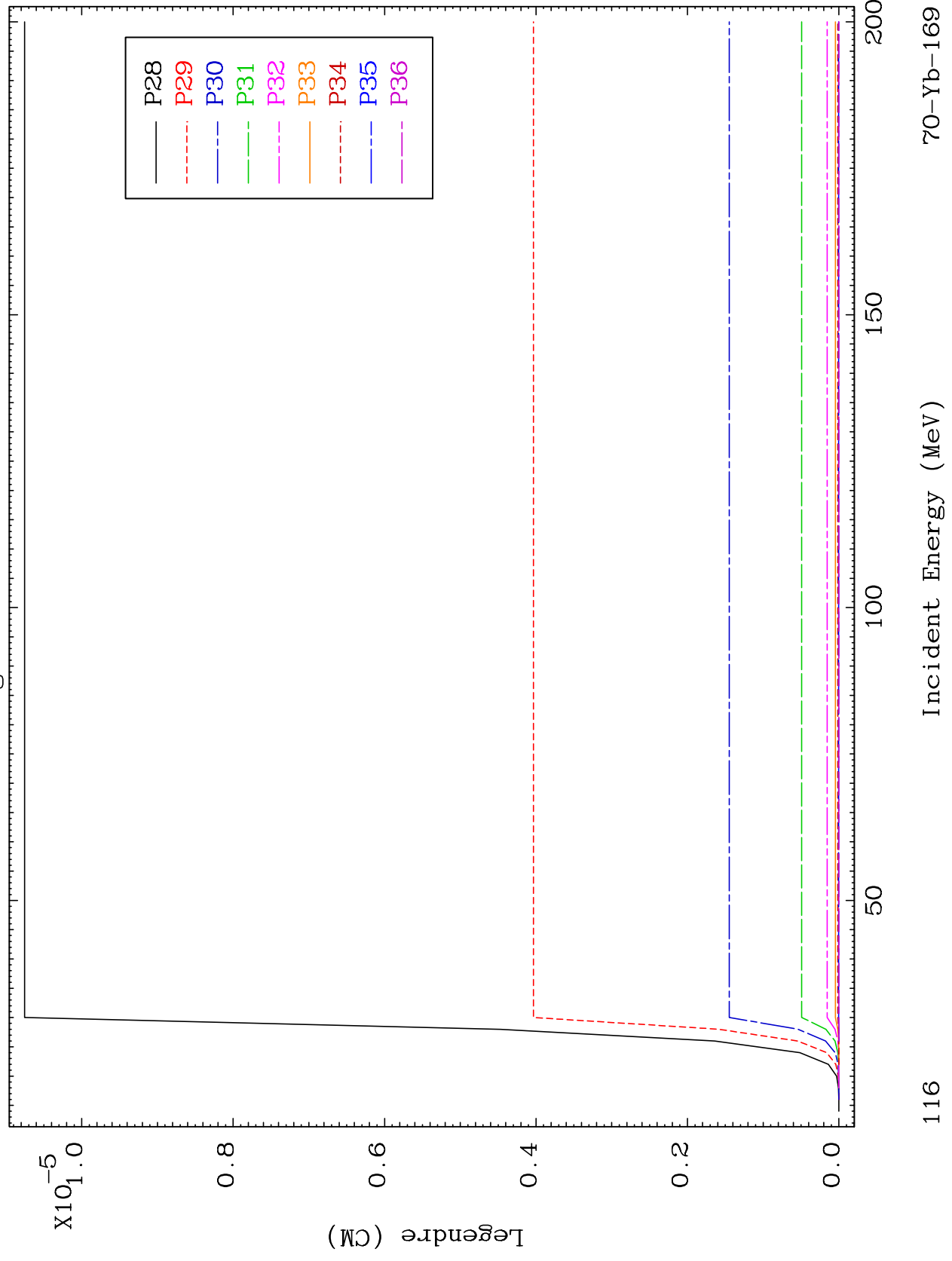
70-Yb-169

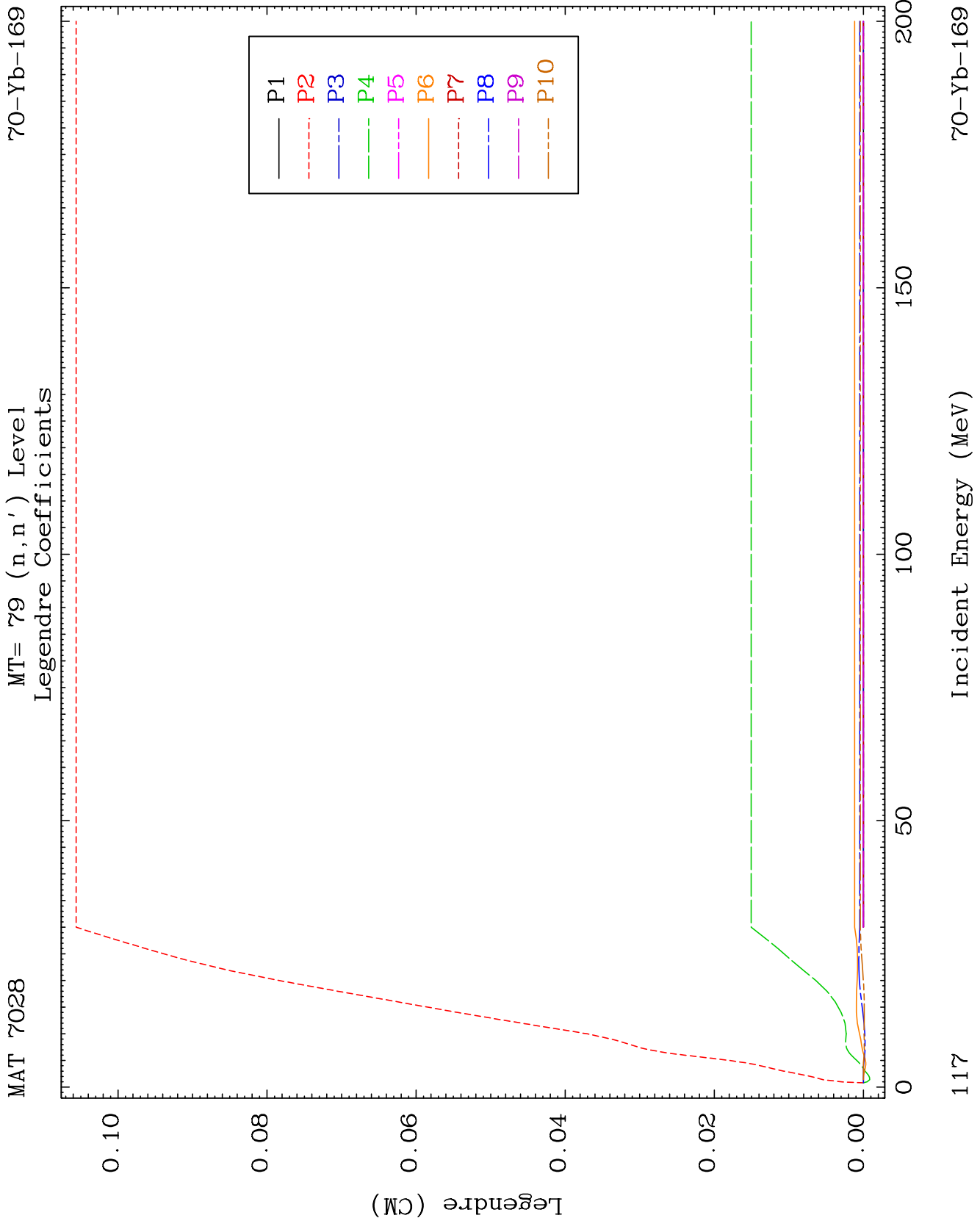


MAT 7028

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

70-Yb-169

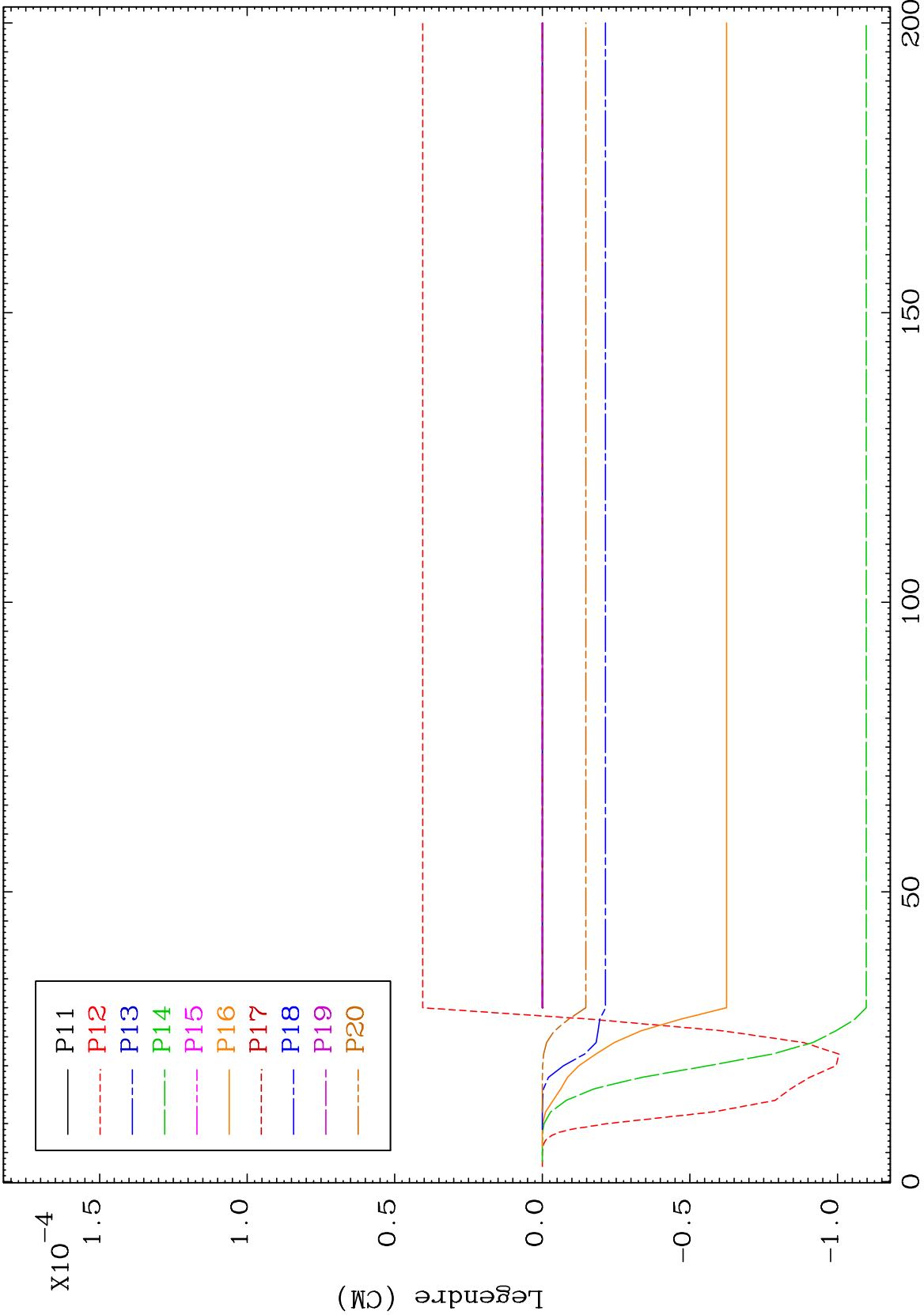
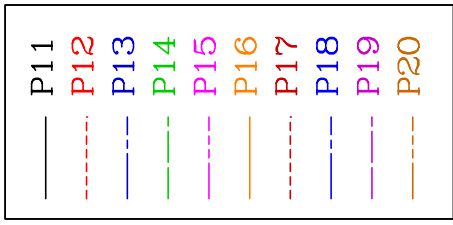




MAT 7028

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

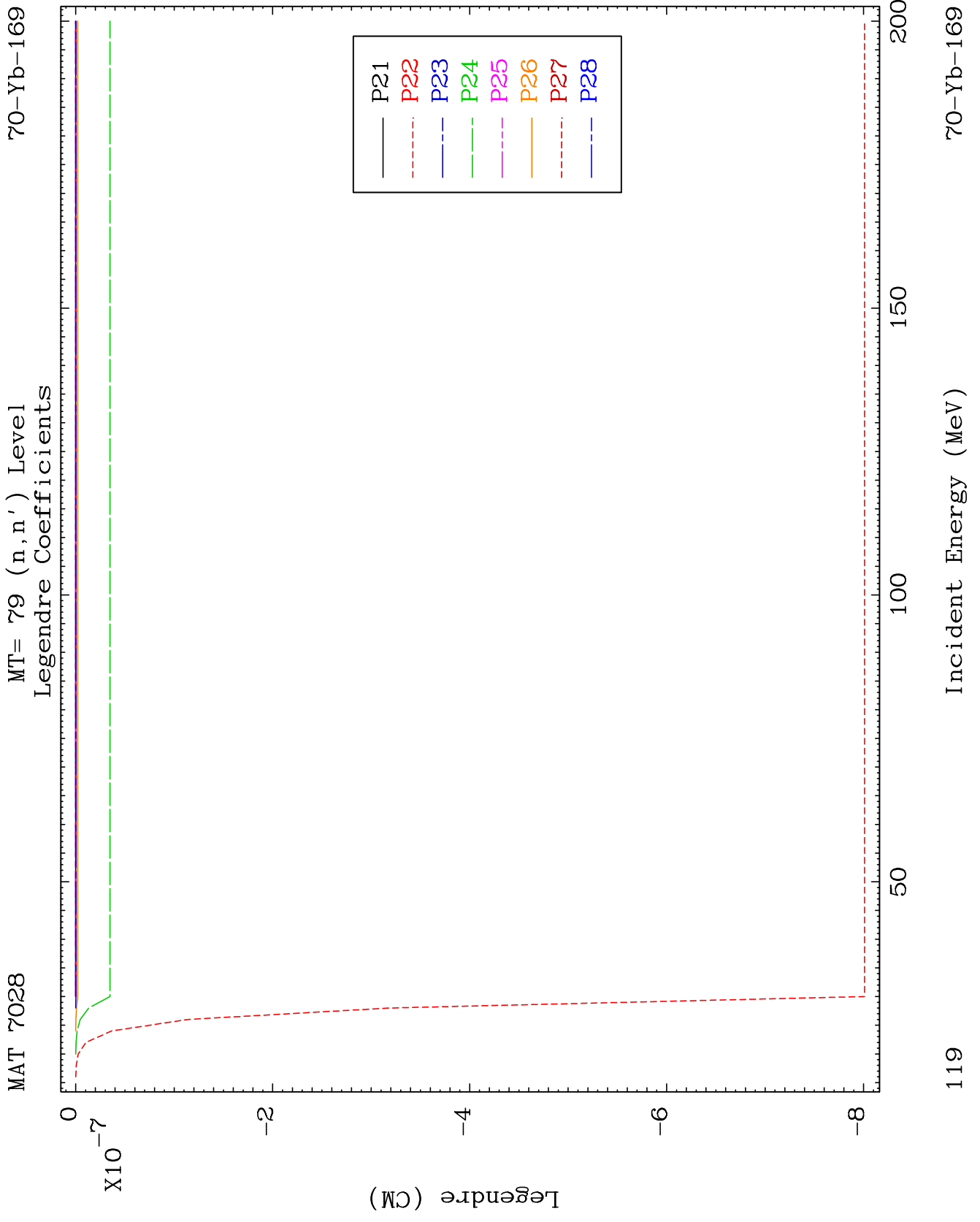
70-Yb-169



118

Incident Energy (MeV)

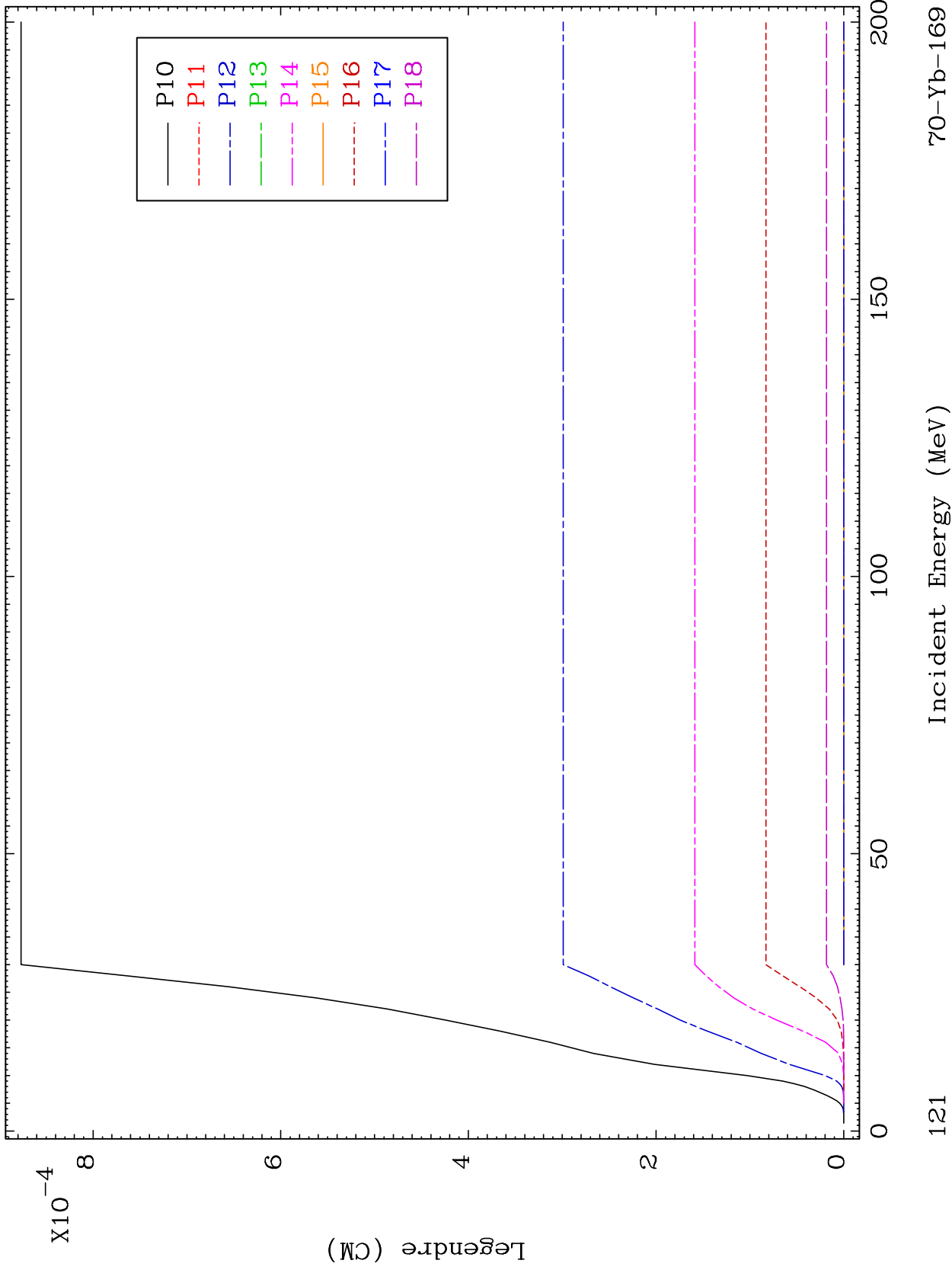
70-Yb-169



MAT 7028

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

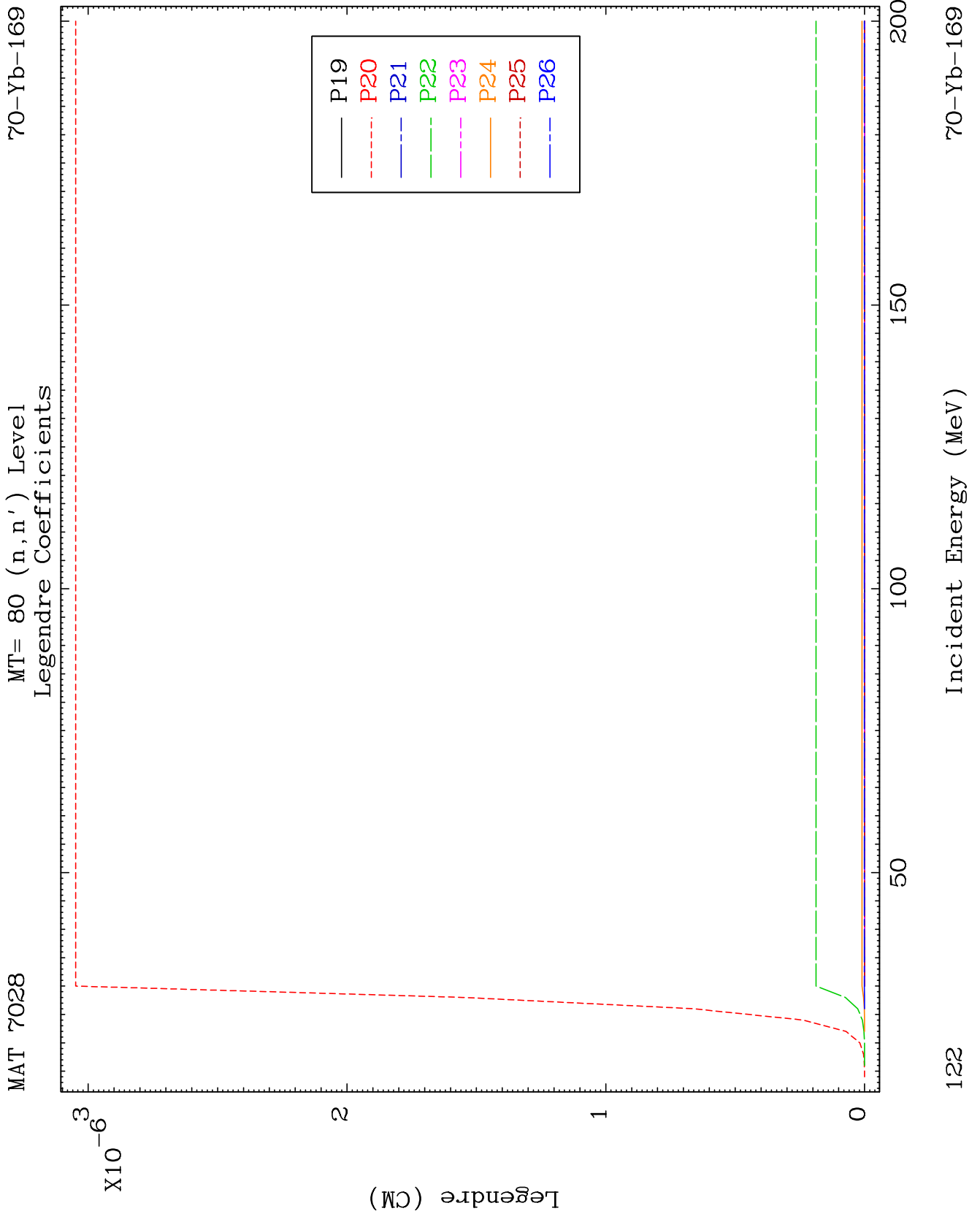
70-Yb-169



121

Incident Energy (MeV)

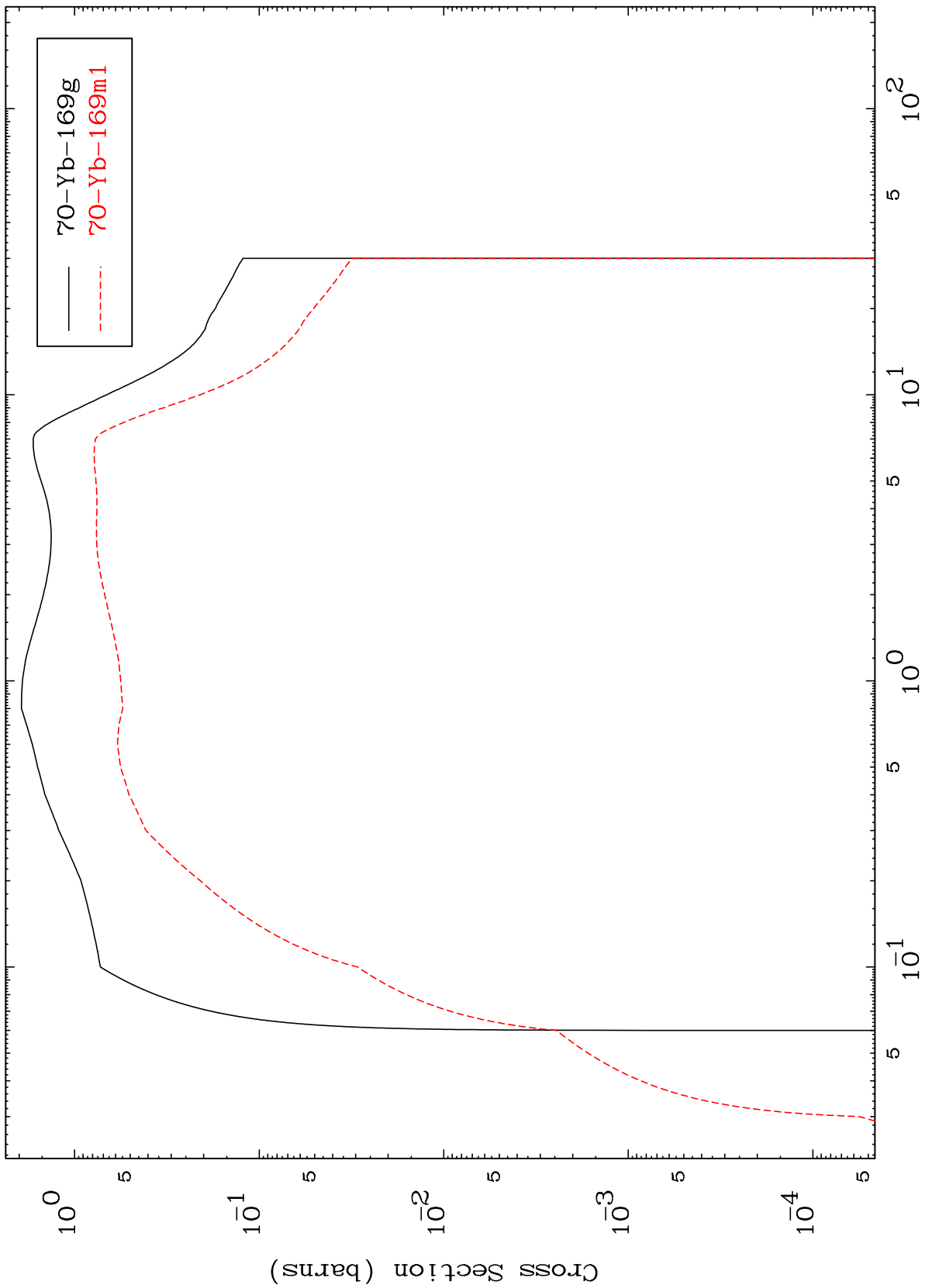
70-Yb-169



MAT 7028

70-Yb-169

Inelastic
Radionuclide Production Cross Section



123

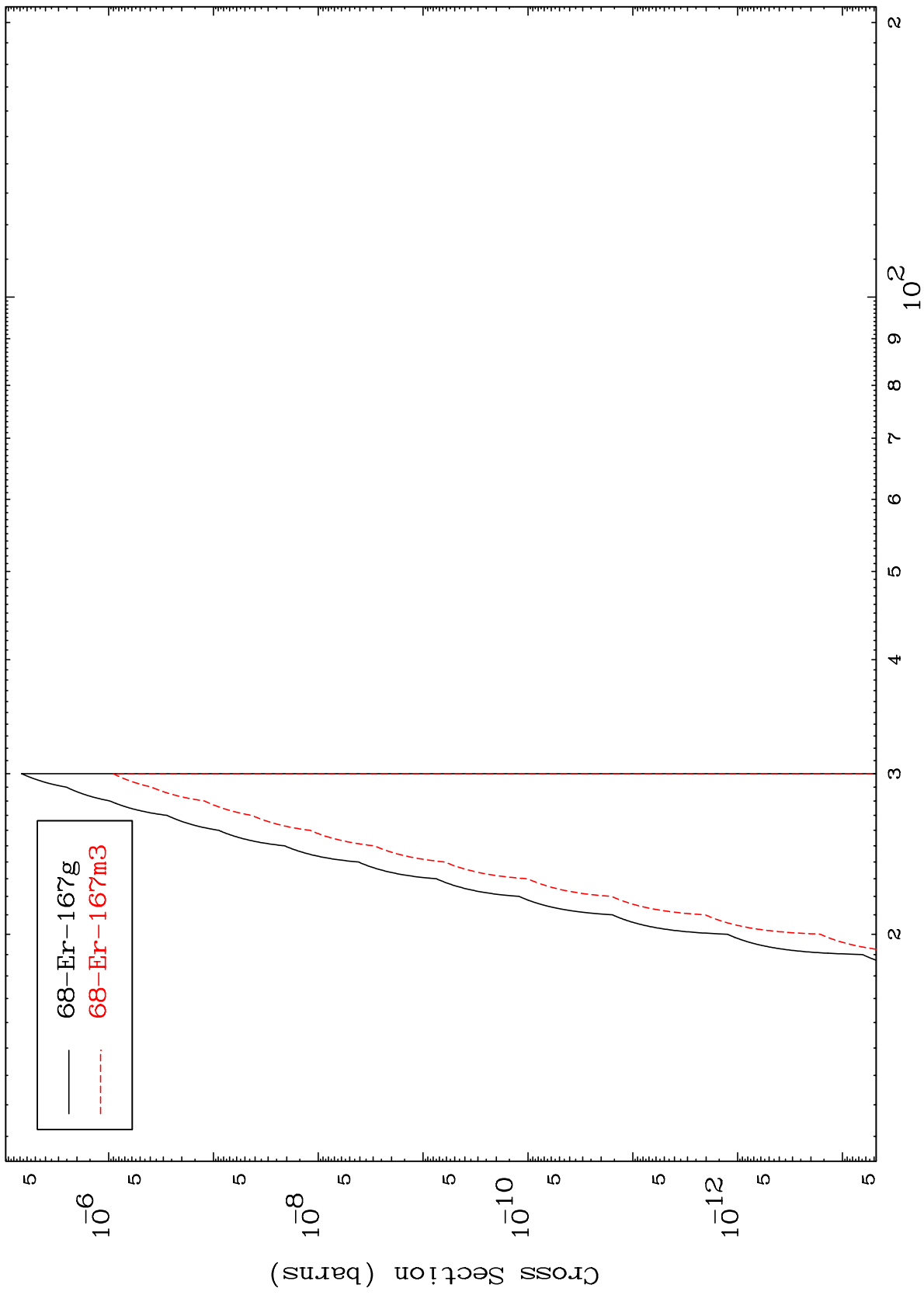
70-Yb-169

Incident Energy (MeV)

MAT 7028

70-Yb-169

(n,2n) p
Radionuclide Production Cross Section



124

70-Yb-169

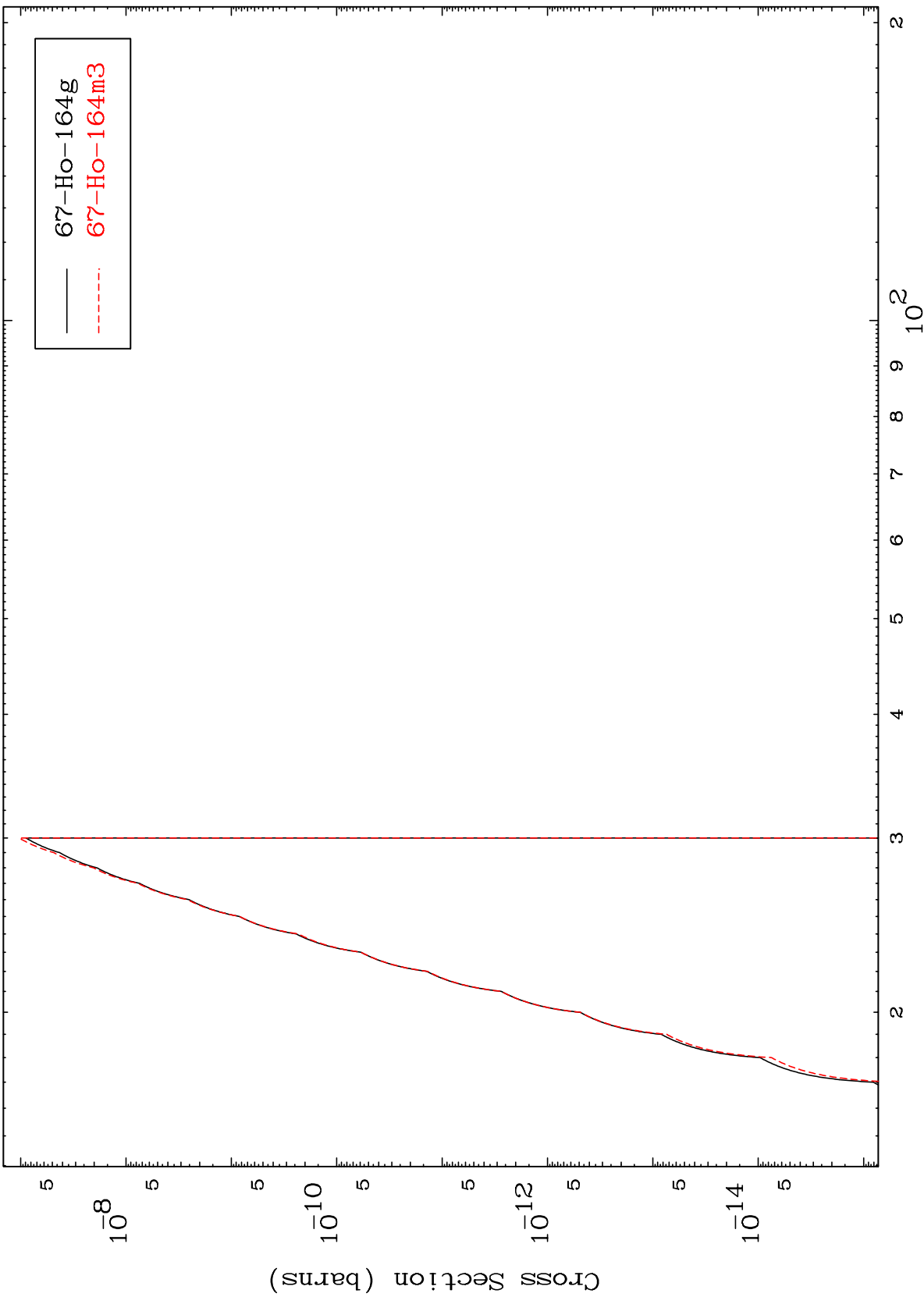
Incident Energy (MeV)

MAT 7028

(n,n') p α

70-Yb-169

Radionuclide Production Cross Section



125

Incident Energy (MeV)

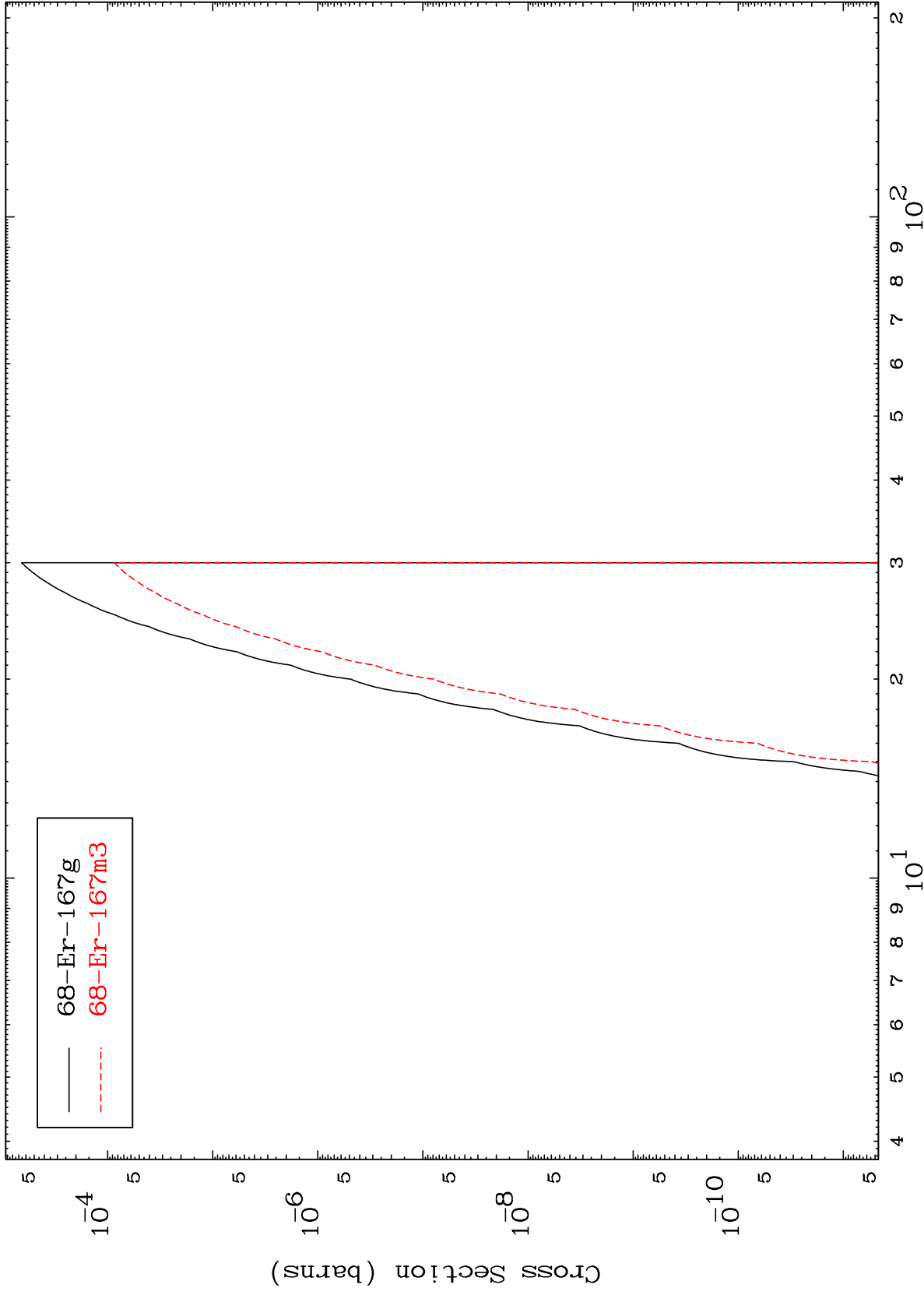
70-Yb-169

MAT 7028

(n,He-3)

70-Yb-169

Radionuclide Production Cross Section



126

Incident Energy (MeV)

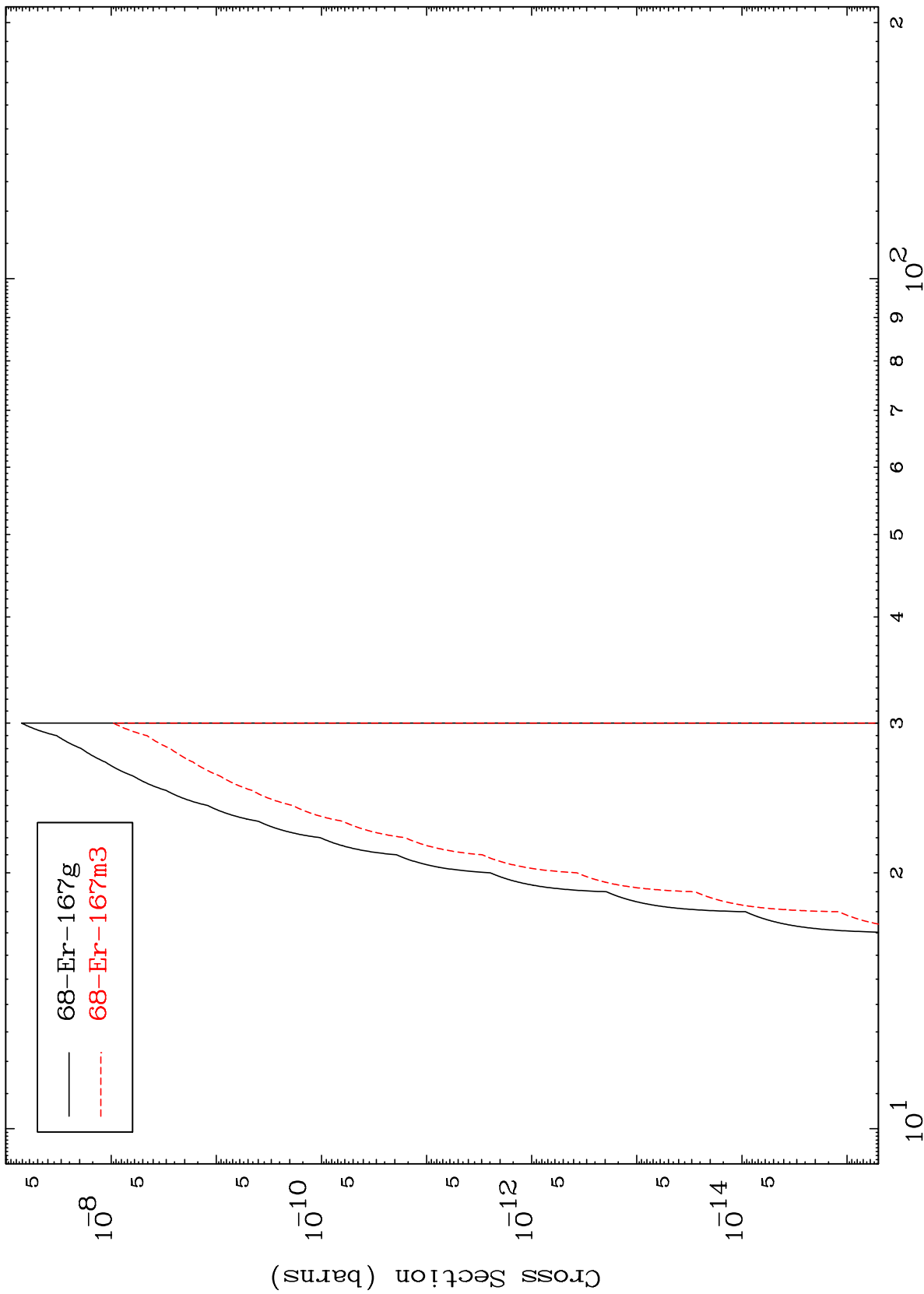
70-Yb-169

MAT 7028

(n,p) d

70-Yb-169

Radionuclide Production Cross Section



127

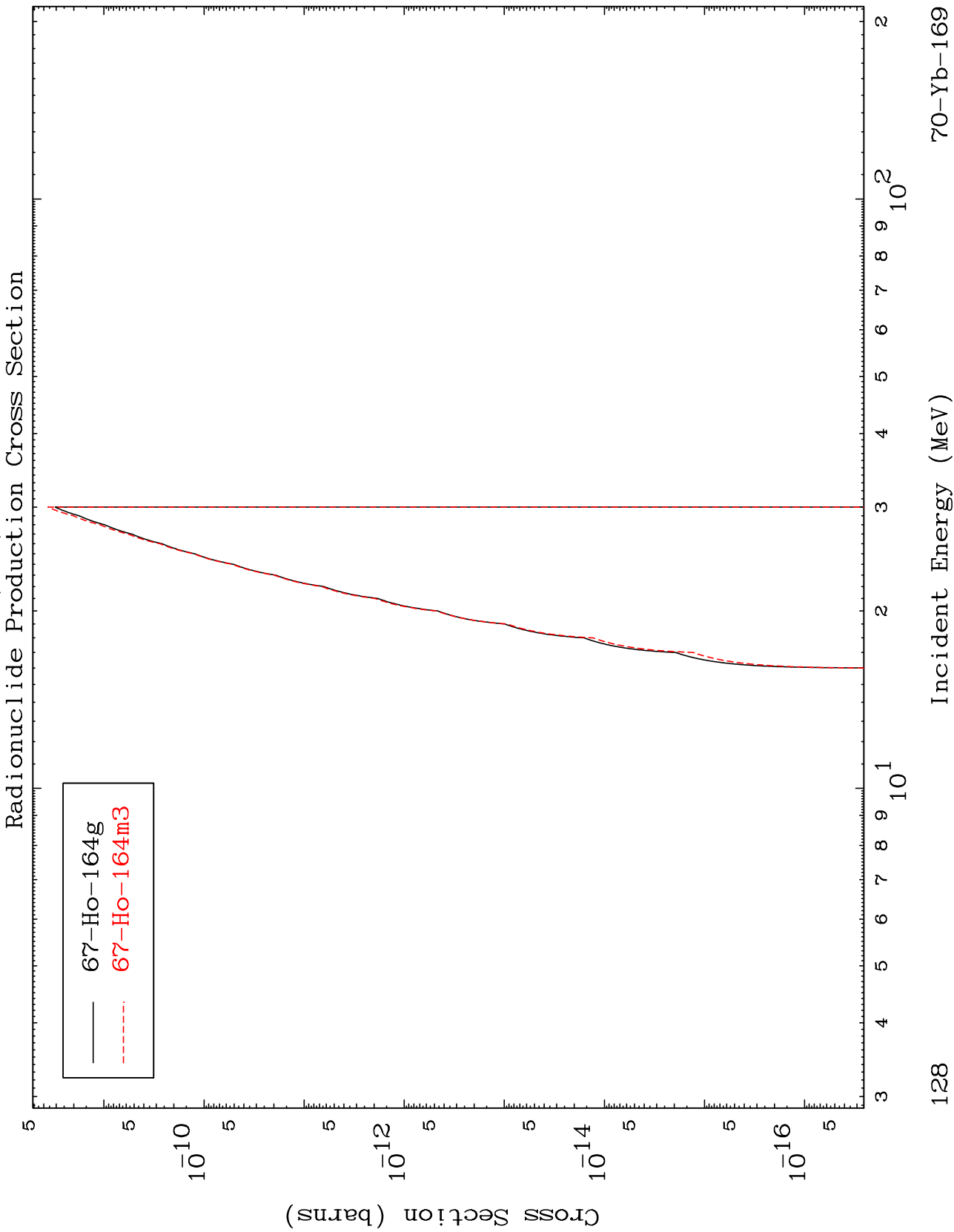
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,d) α

70-Yb-169



128

Incident Energy (MeV)

70-Yb-169