

Program EVALPLOT
(Version 2021-1)

by

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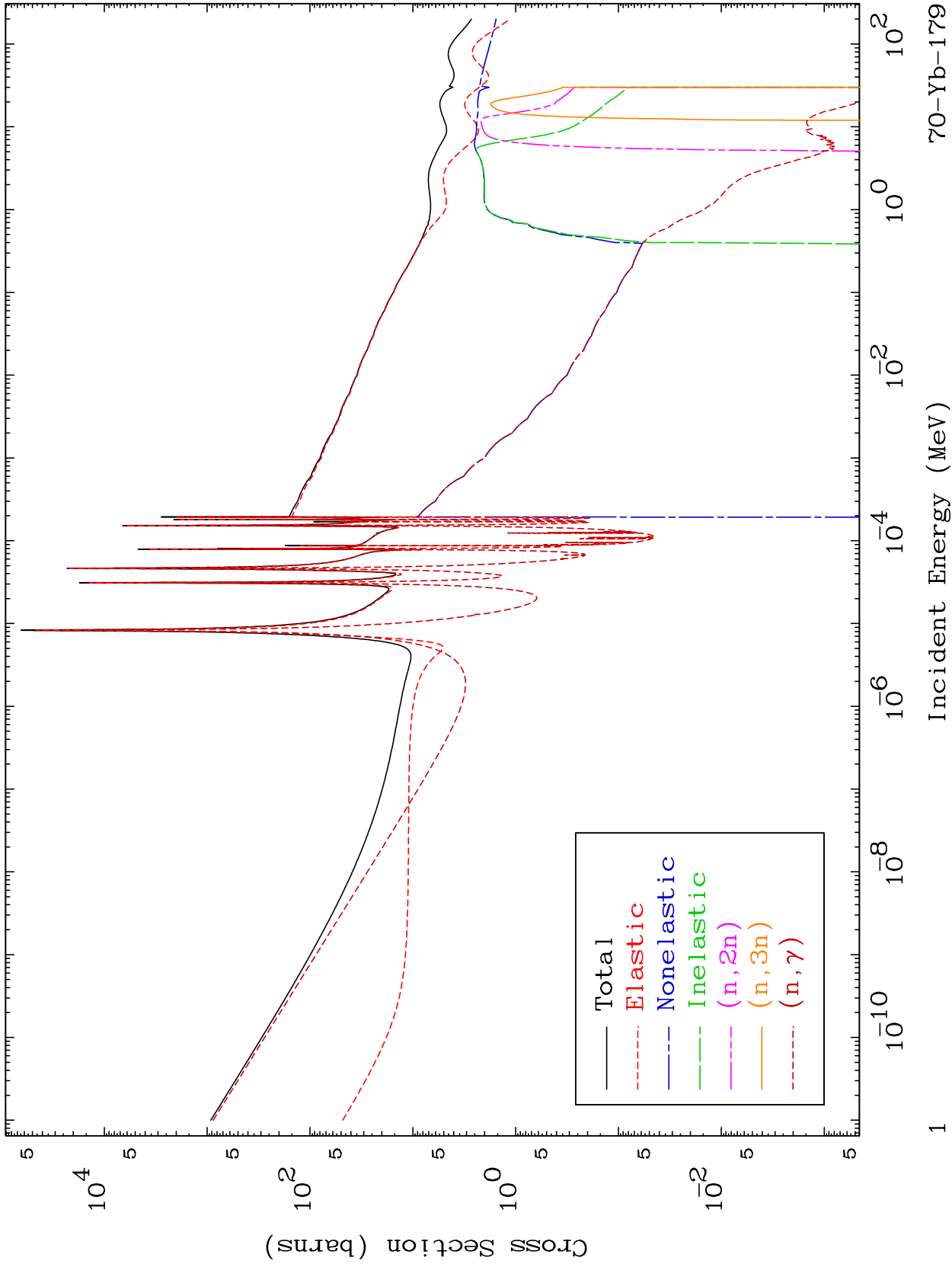
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7058

Neutron Major
293 Kelvin Cross Sections

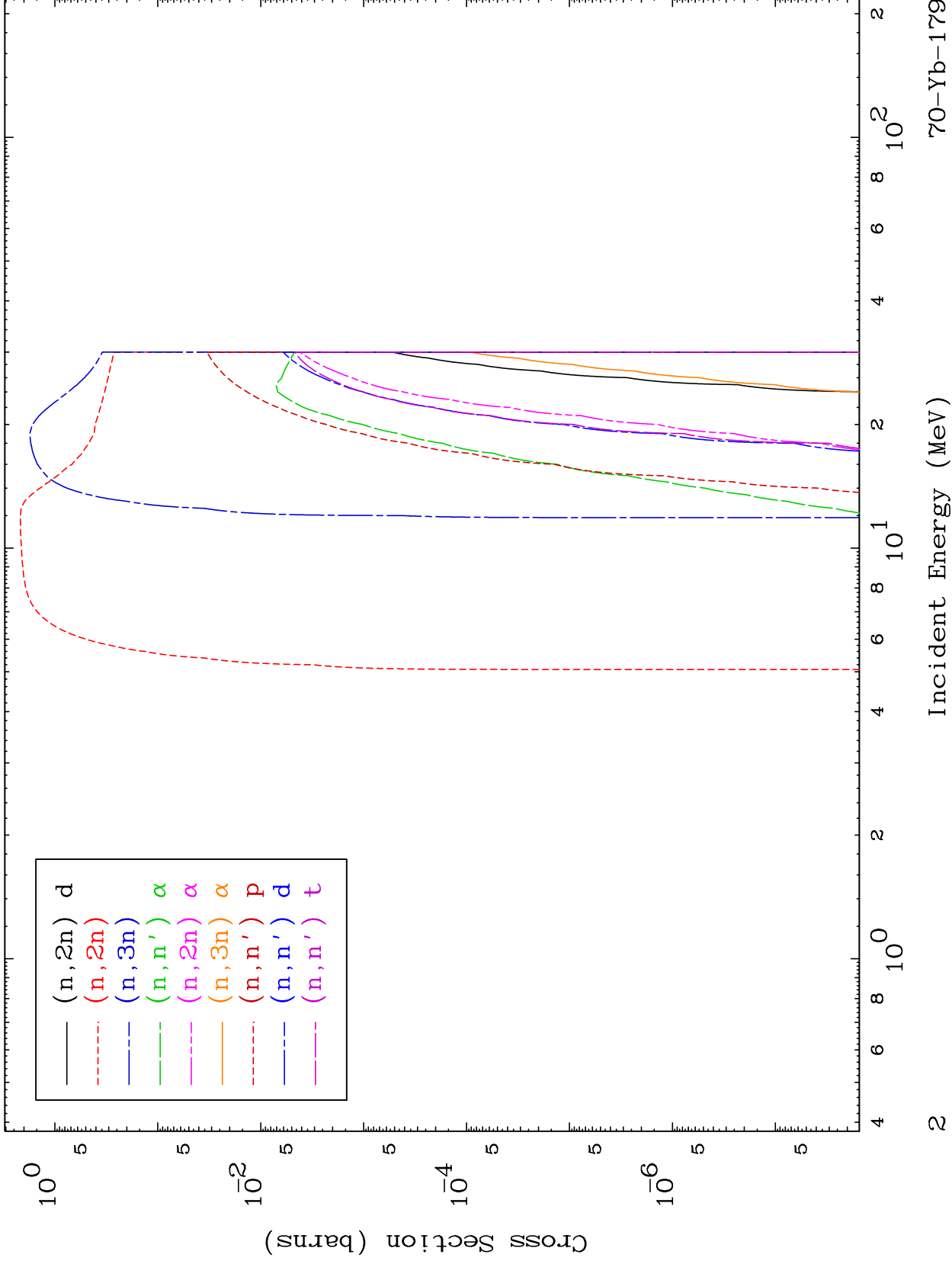
70-Yb-179



MAT 7058

Neutron Absorption
293 Kelvin Cross Sections

70-Yb-179



2

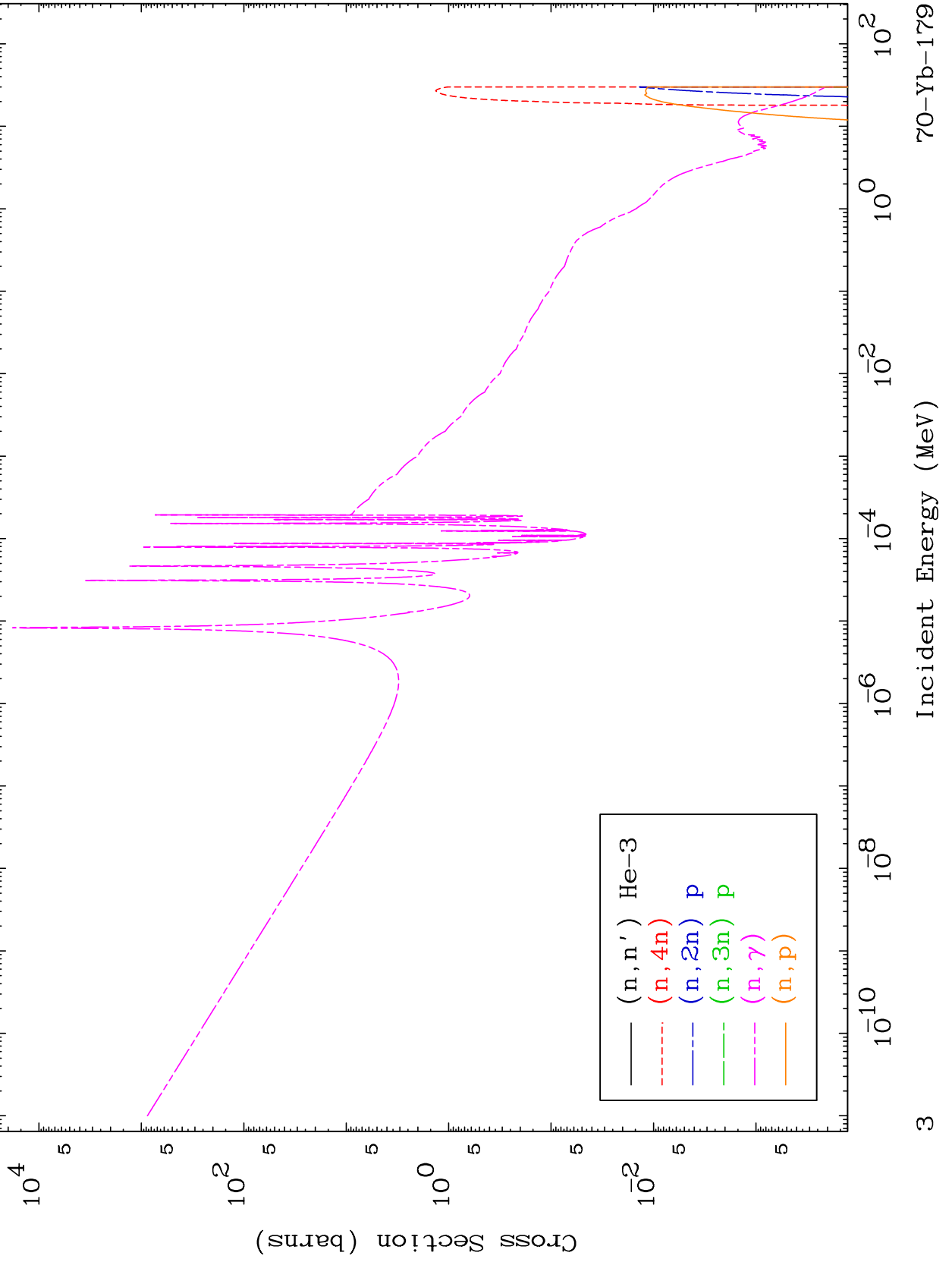
Incident Energy (MeV)

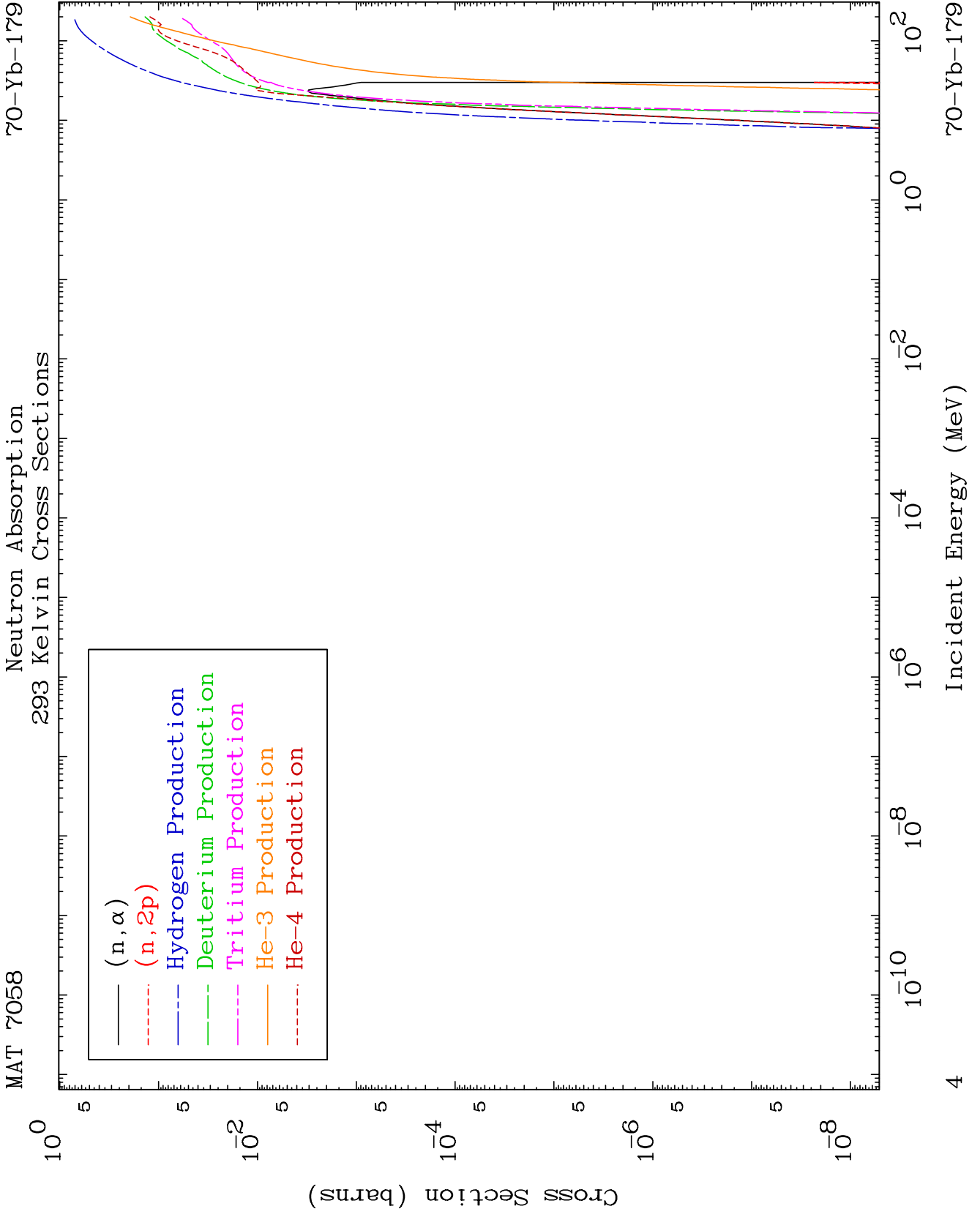
70-Yb-179

MAT 7058

Neutron Absorption
293 Kelvin Cross Sections

70-Yb-179

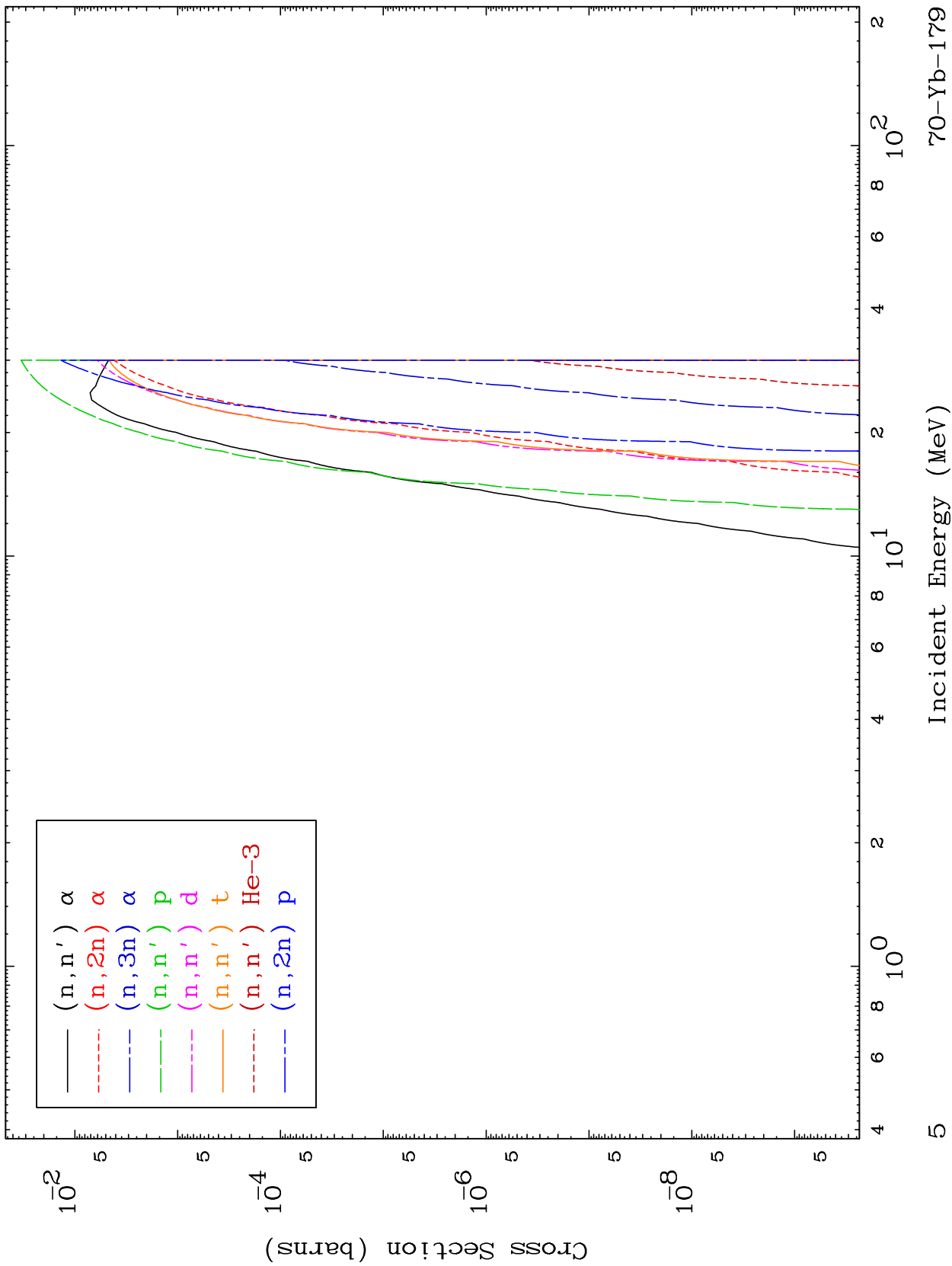




MAT 7058

Charged Particle
293 Kelvin Cross Sections

70-Yb-179



5

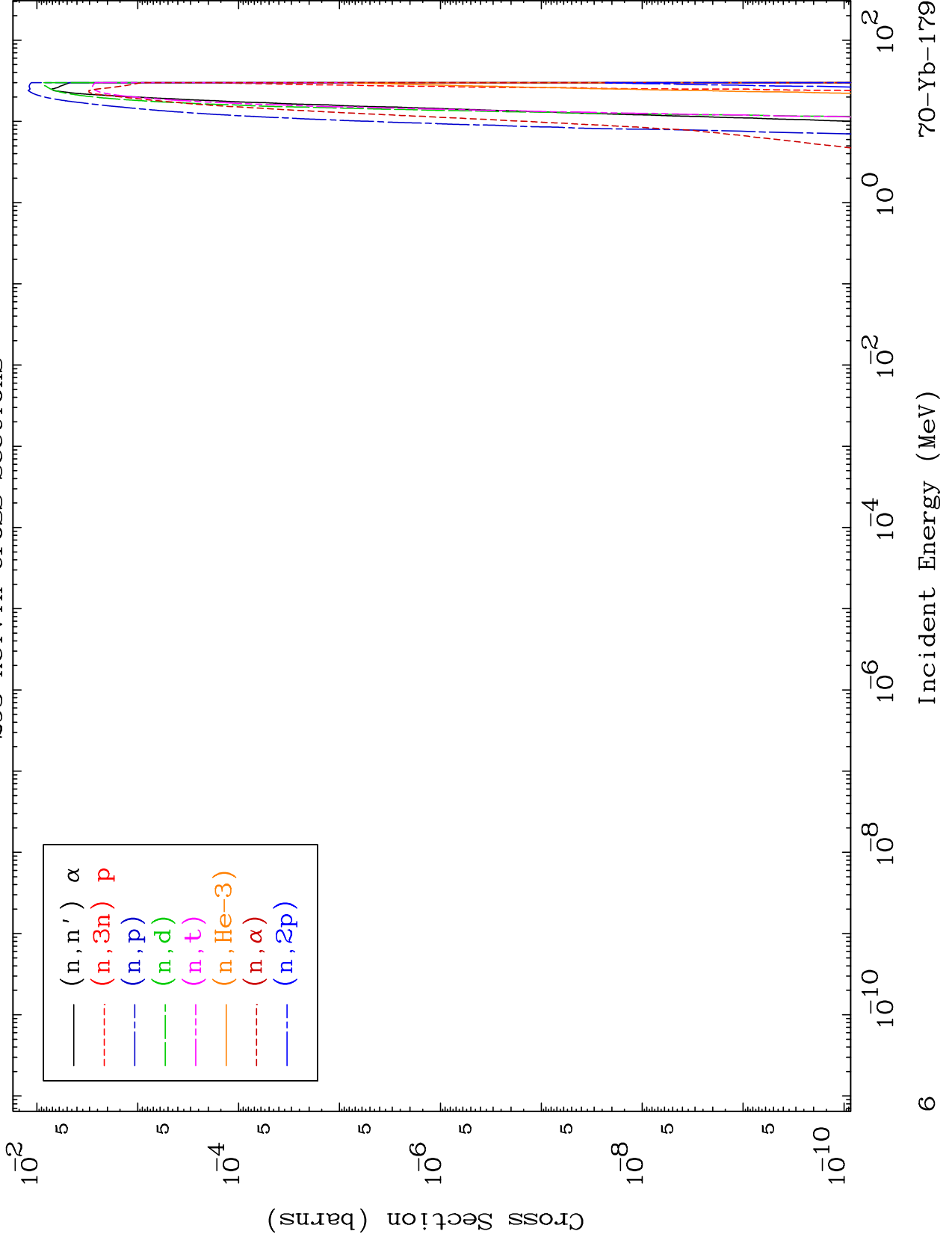
Incident Energy (MeV)

70-Yb-179

MAT 7058

Charged Particle
293 Kelvin Cross Sections

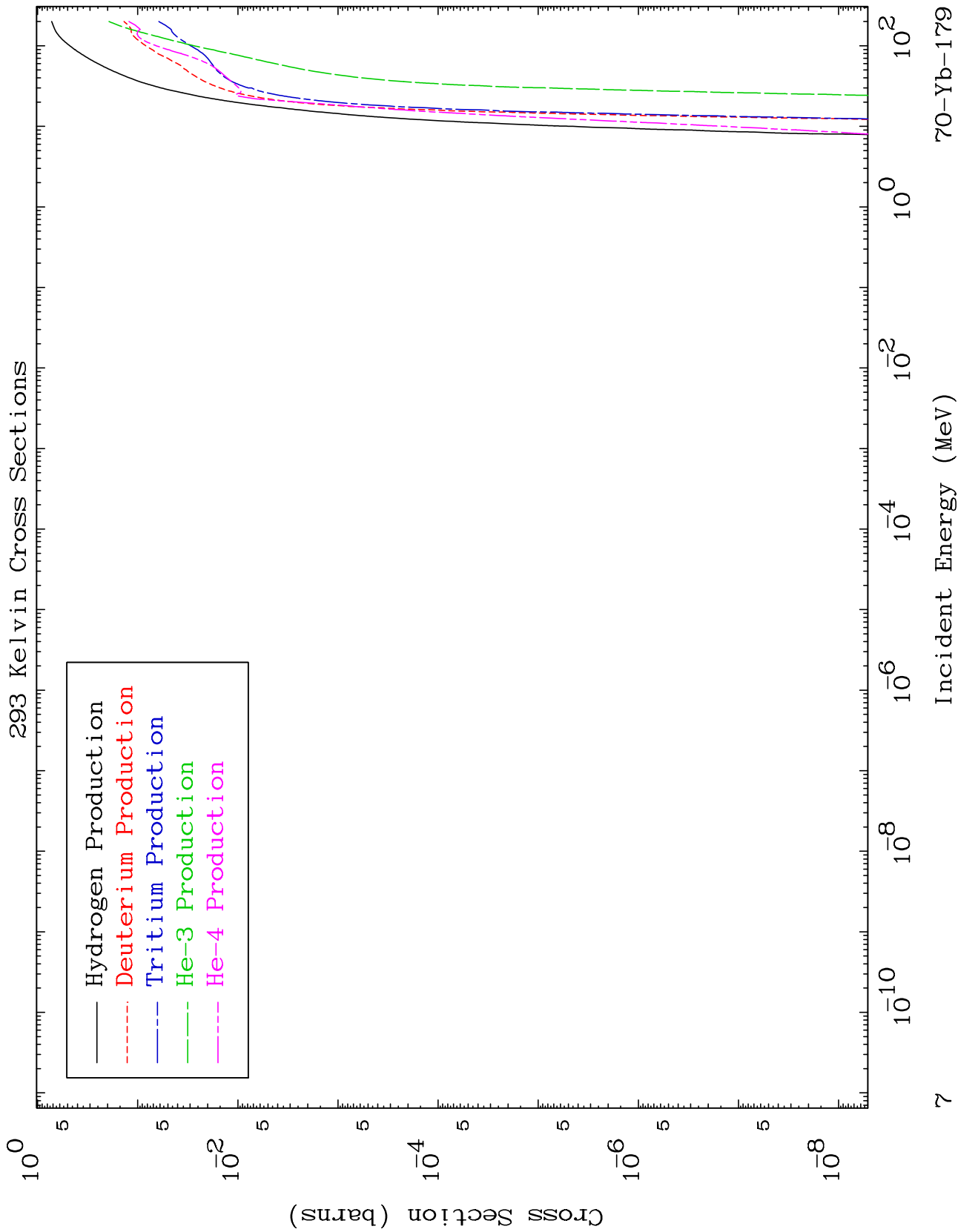
70-Yb-179



MAT 7058

Particle Production
293 Kelvin Cross Sections

70-Yb-179

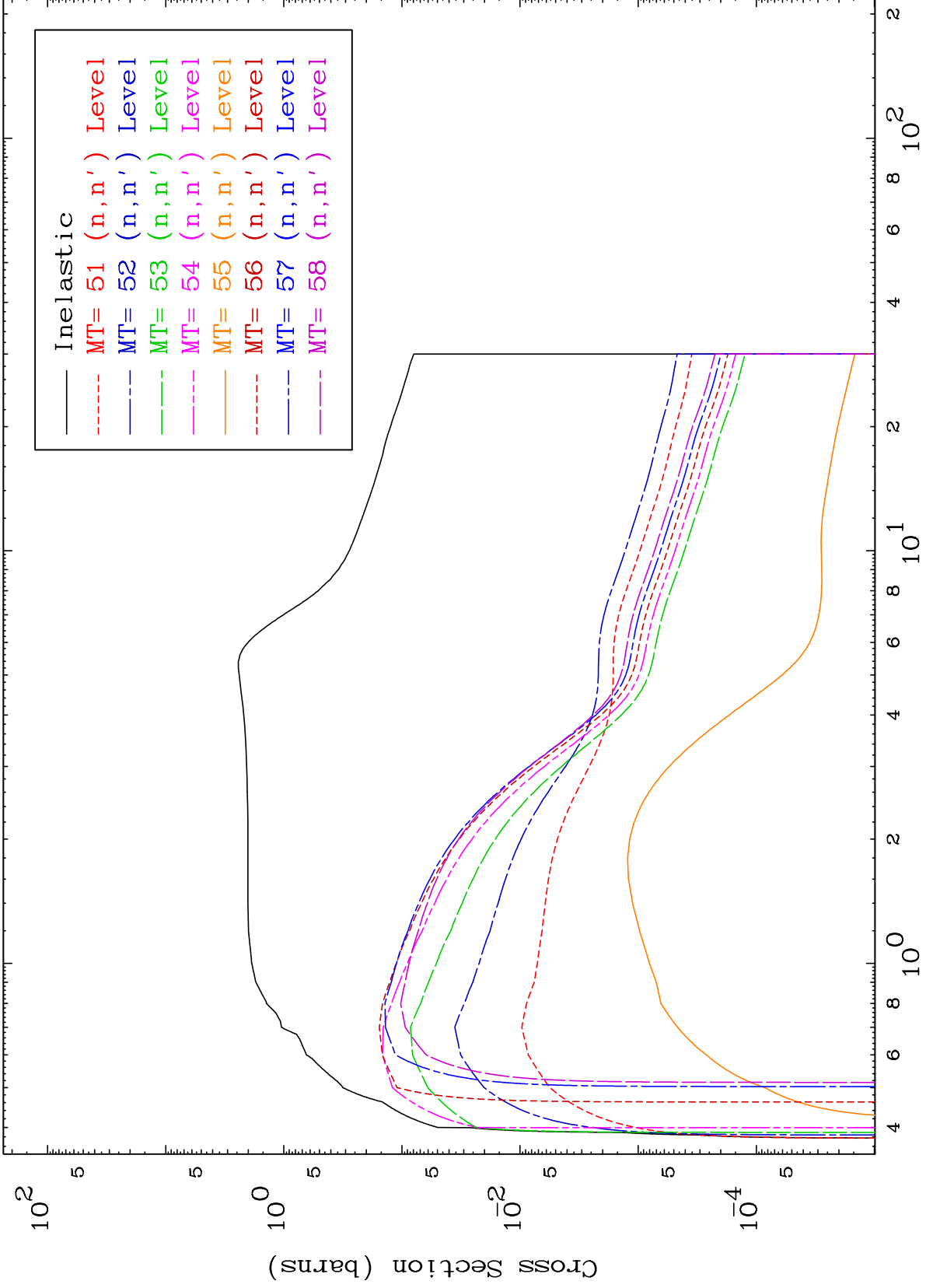


MAT 7058

(n,n') Levels

70-Yb-179

293 Kelvin Cross Sections



8

Incident Energy (MeV)

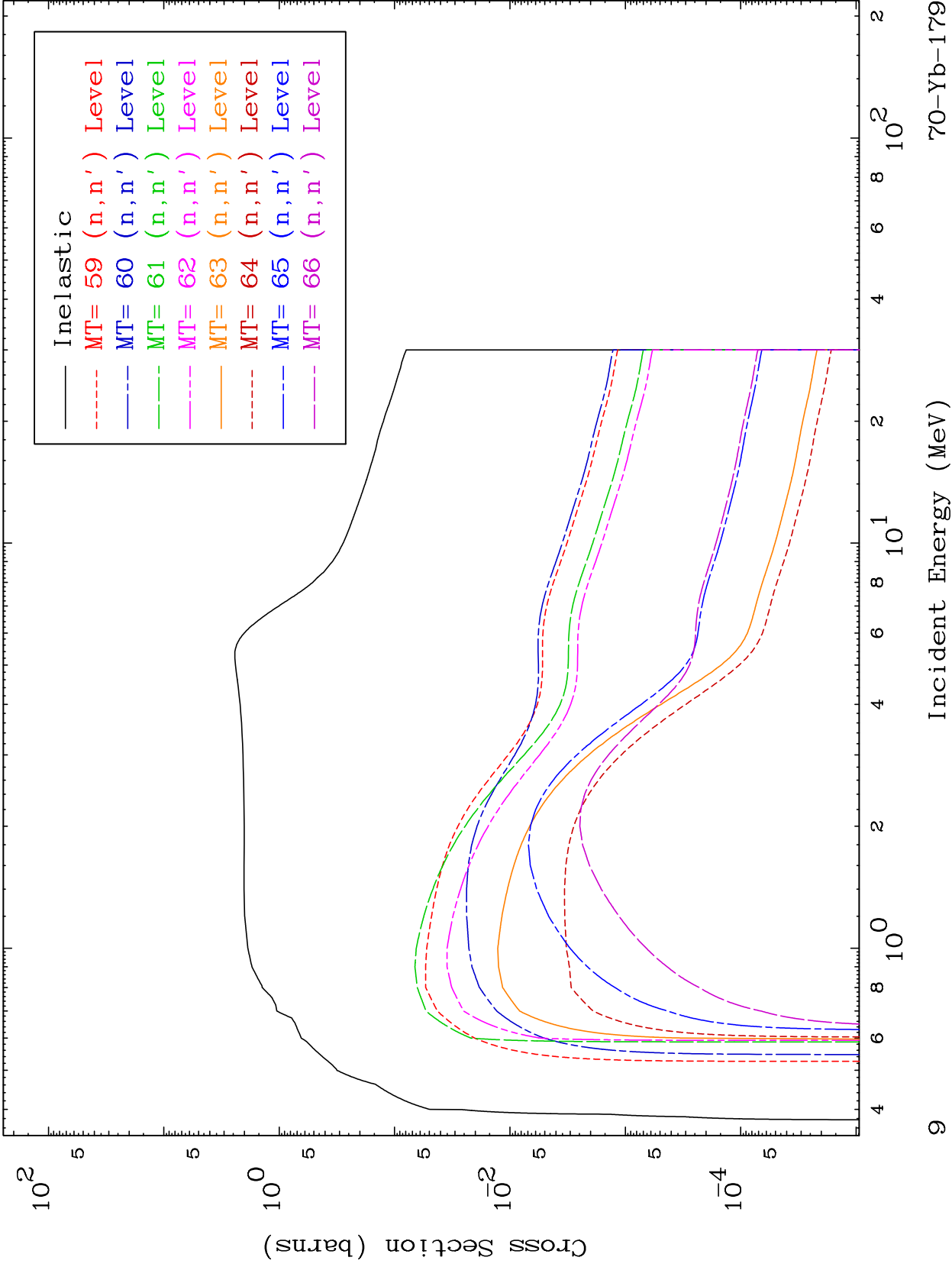
70-Yb-179

MAT 7058

(n,n') Levels

70-Yb-179

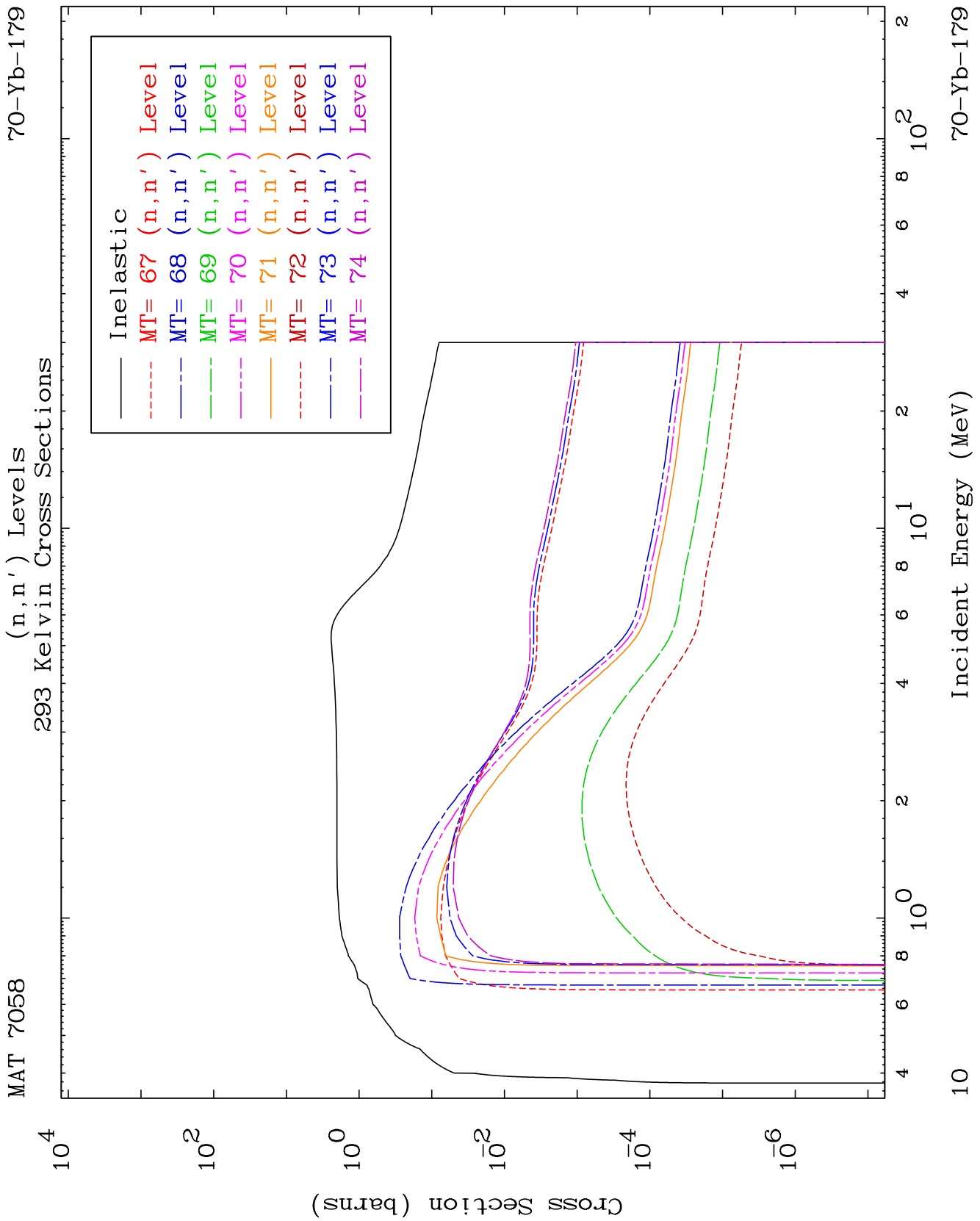
293 Kelvin Cross Sections



9

Incident Energy (MeV)

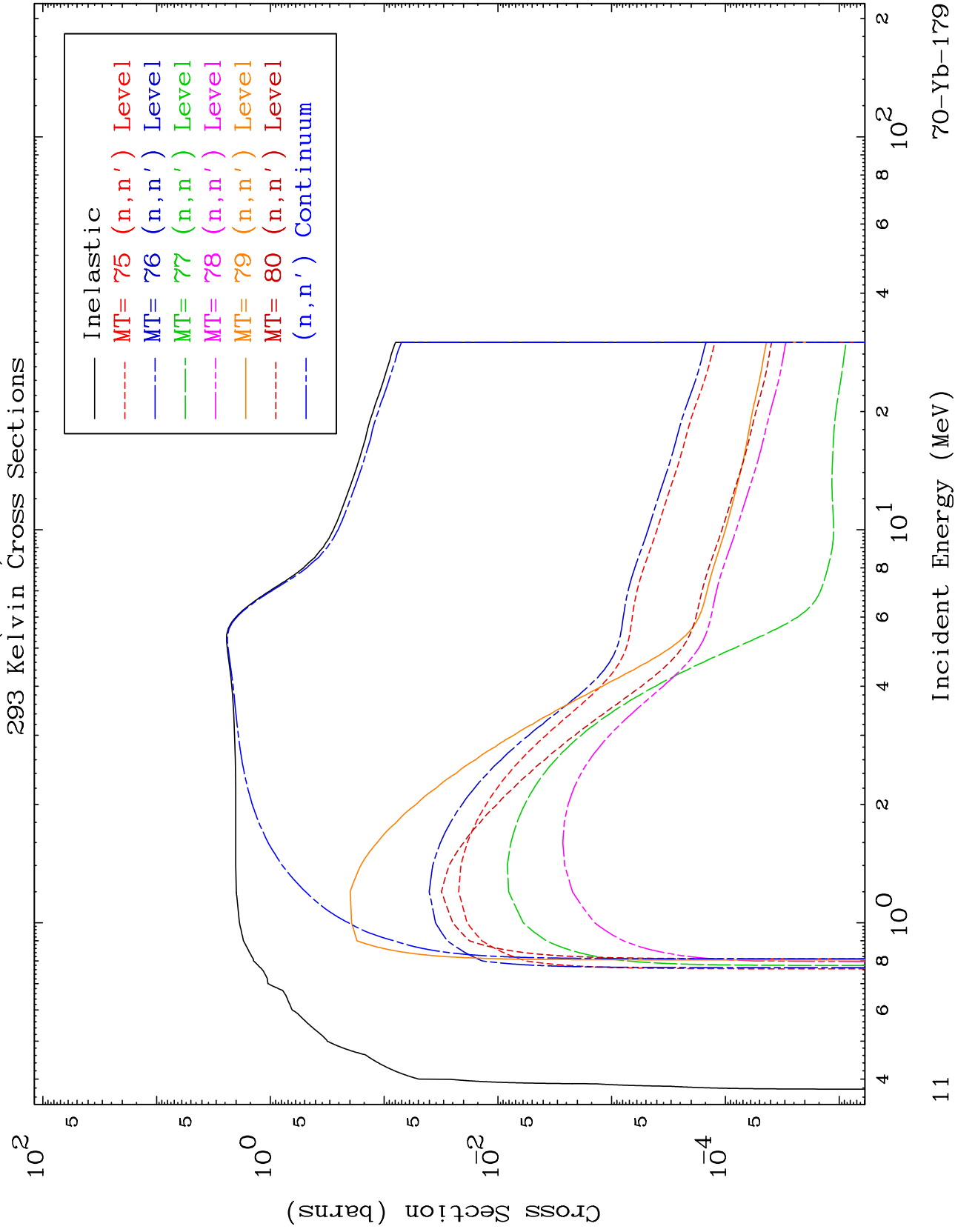
70-Yb-179



MAT 7058

(n,n') Levels

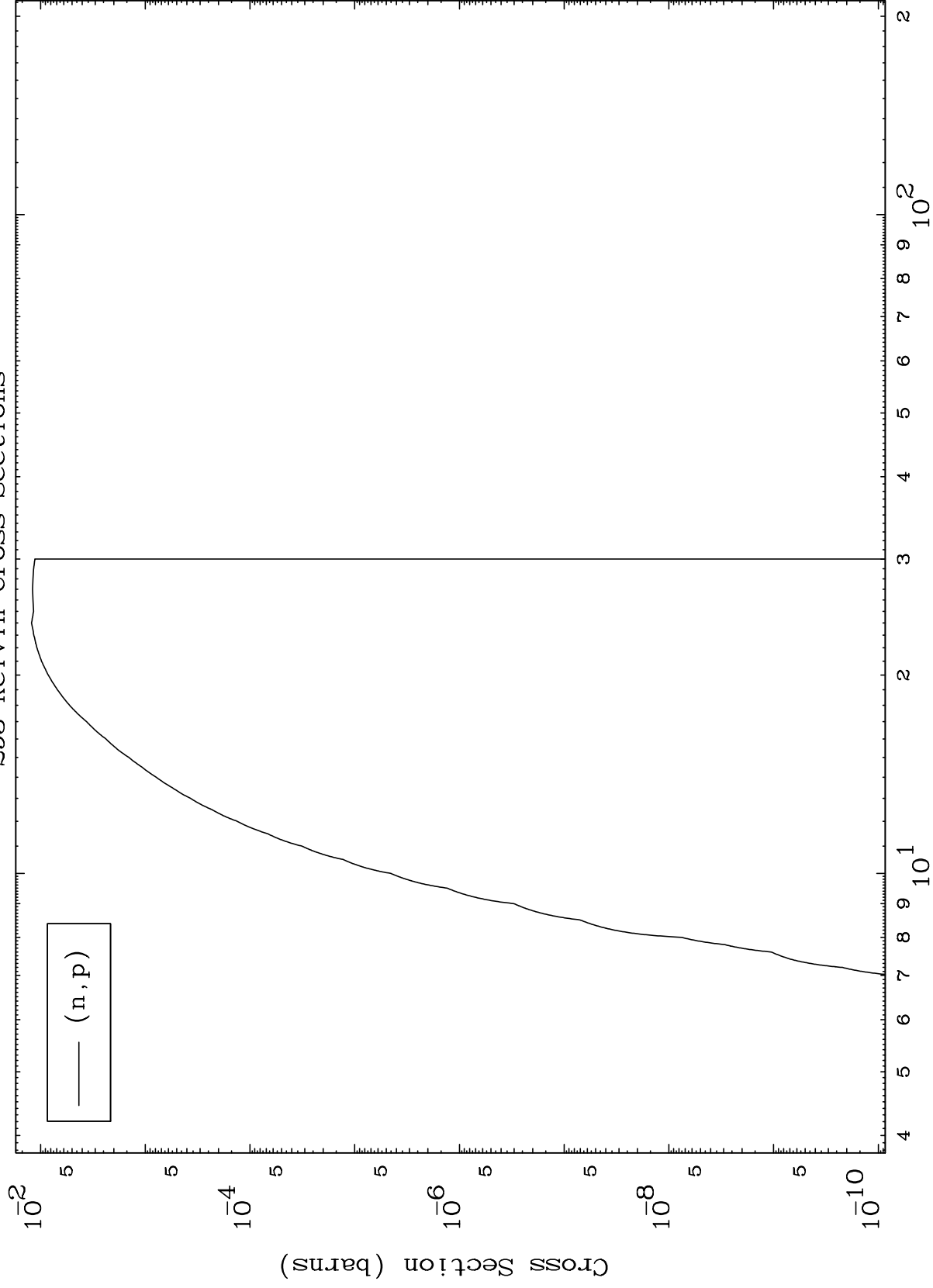
70-Yb-179



MAT 7058

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-179



12

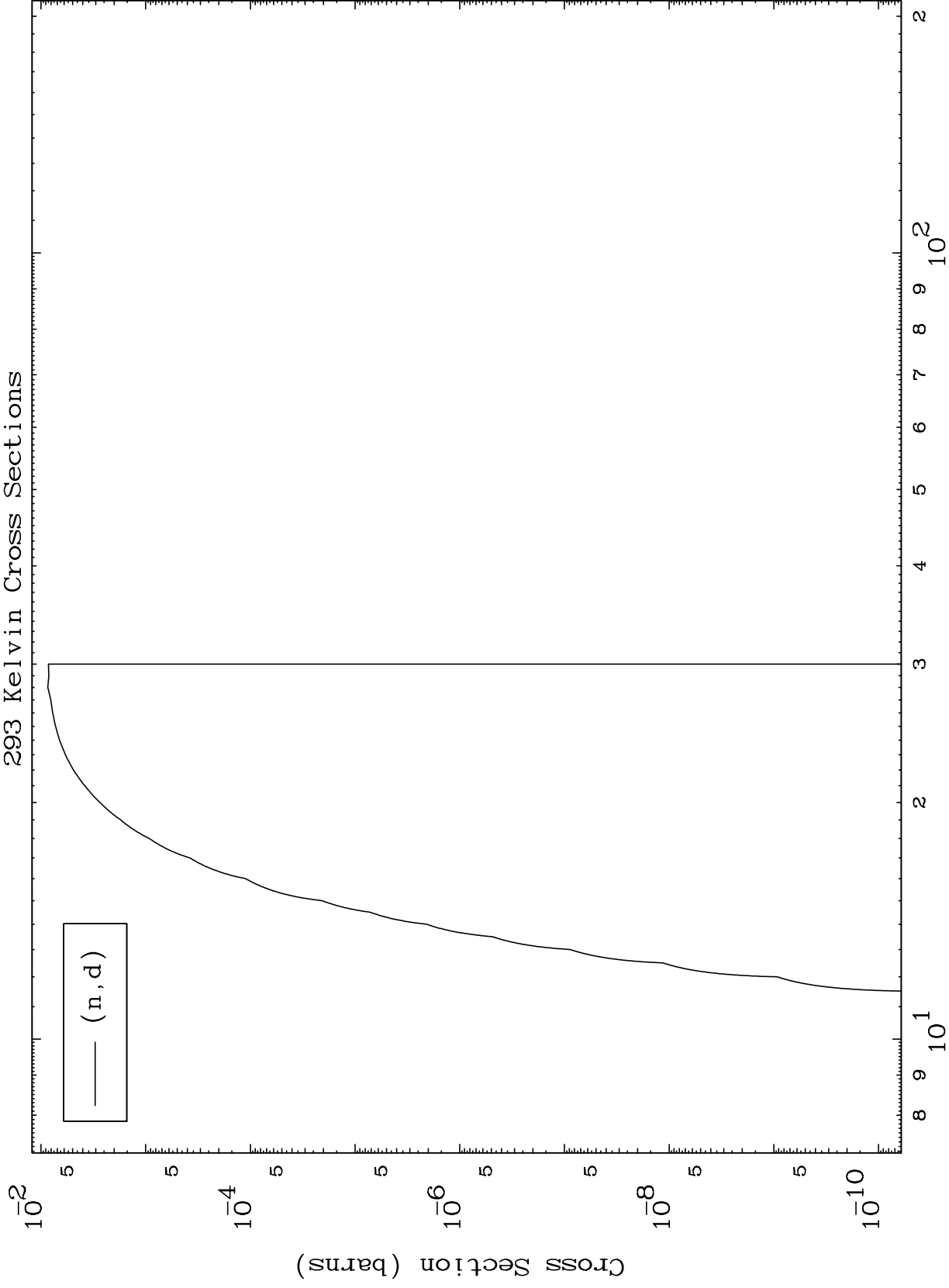
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-179



13

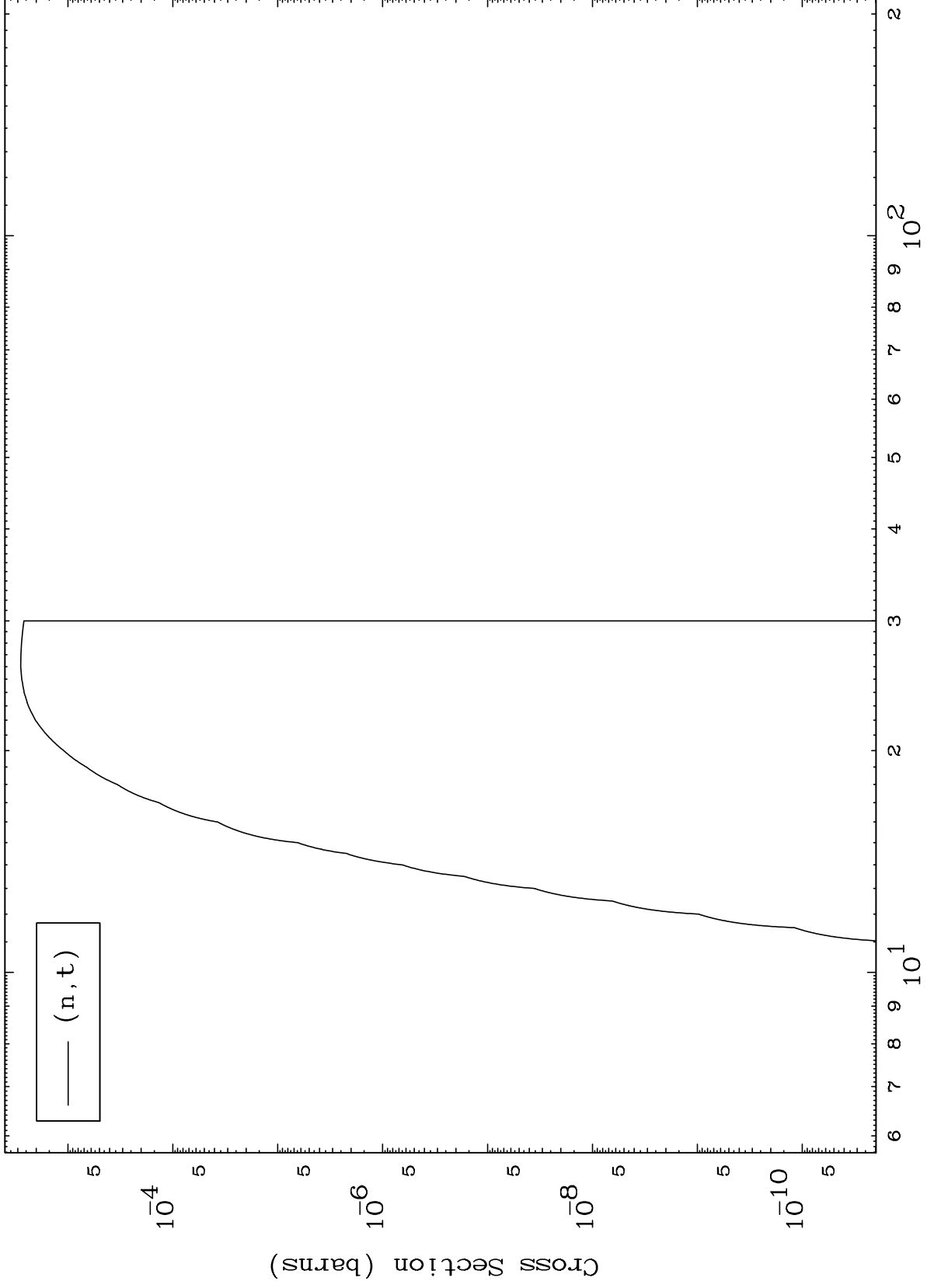
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n, t) Levels
293 Kelvin Cross Sections

70-Yb-179



14

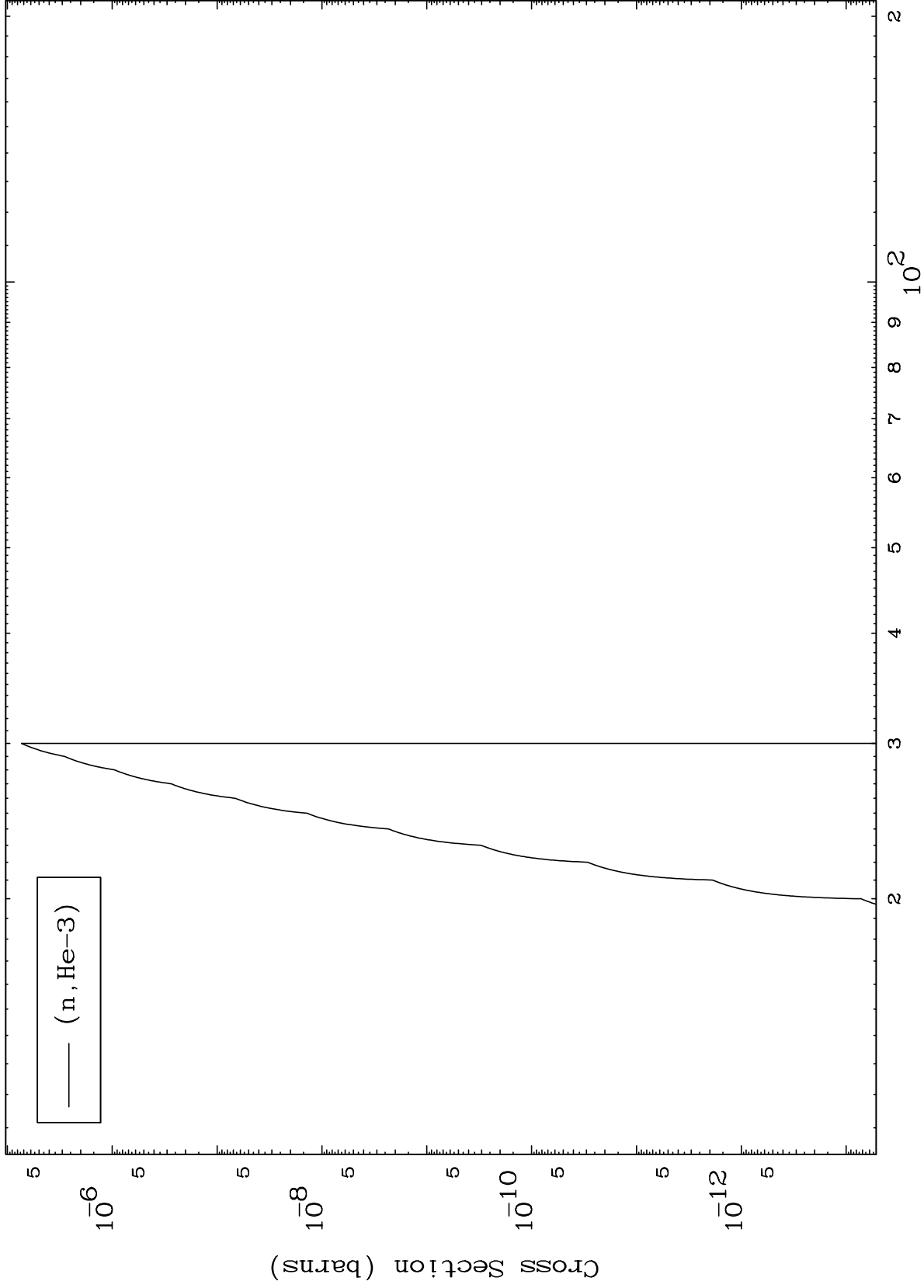
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-179



15

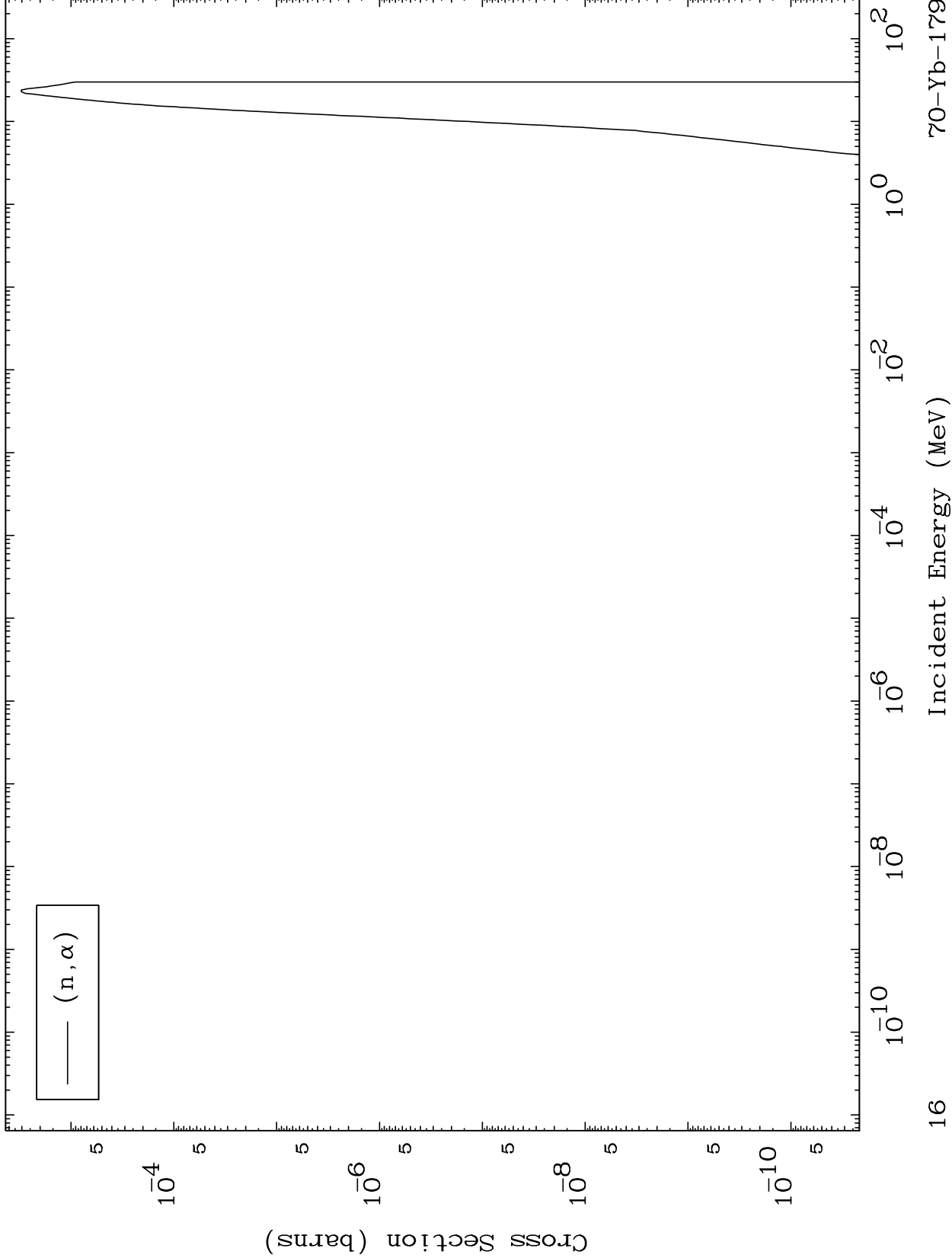
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n, α) Levels
293 Kelvin Cross Sections

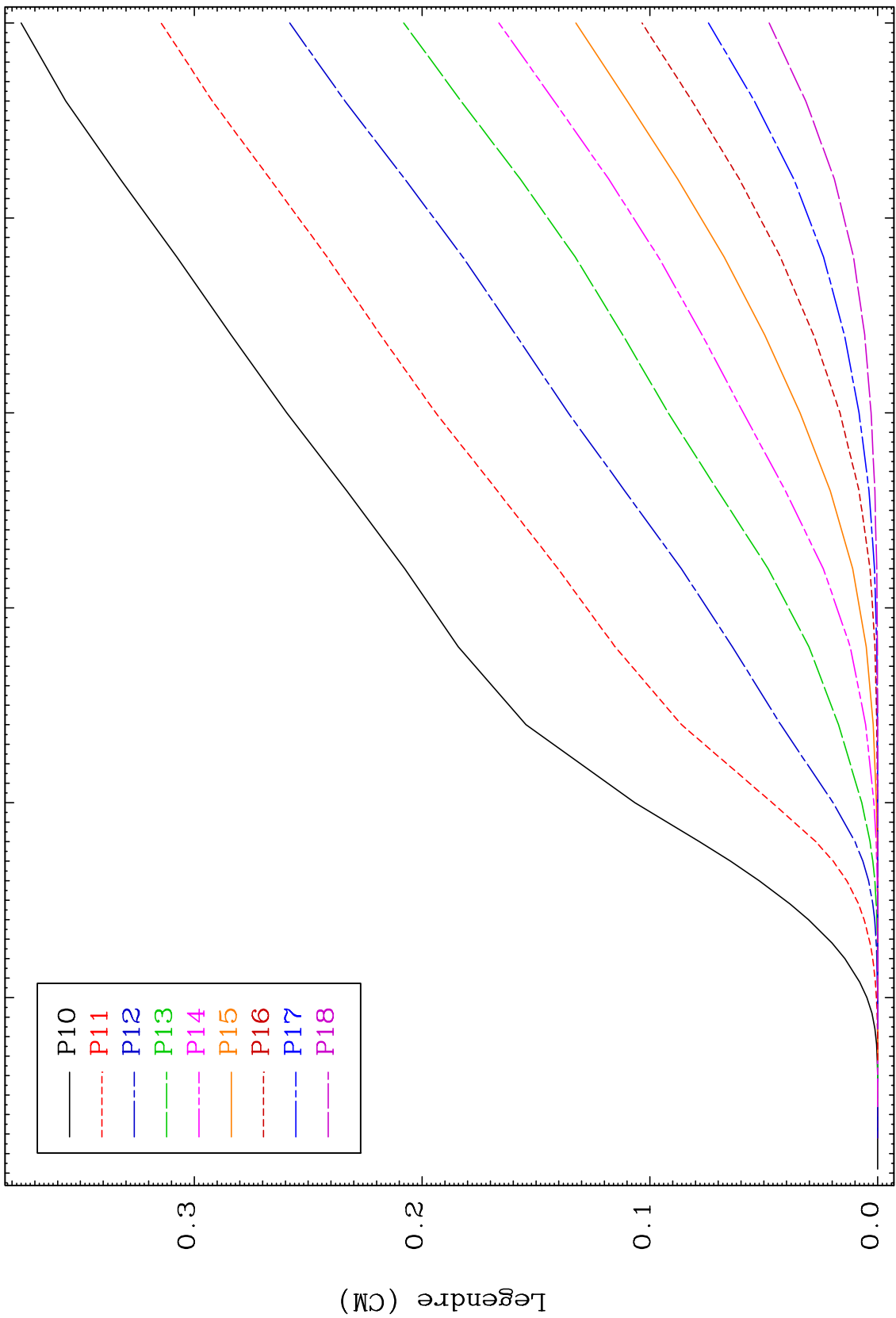
70-Yb-179



MAT 7058

Elastic Legendre Coefficients

70-Yb-179



18

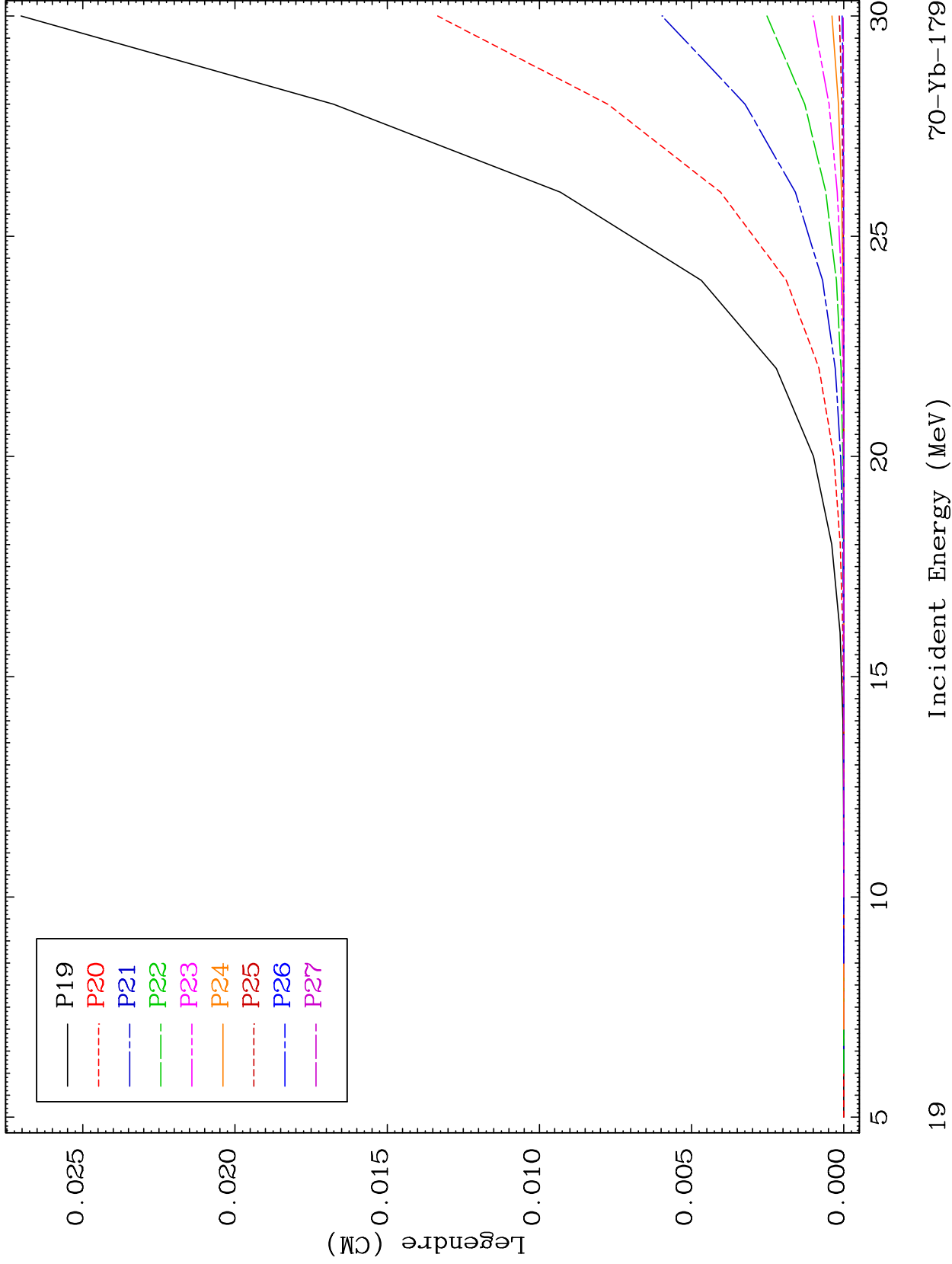
Incident Energy (MeV)

70-Yb-179

MAT 7058

Elastic
Legendre Coefficients

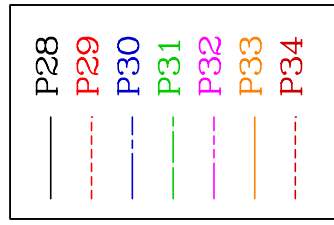
70-Yb-179



MAT 7058

Elastic Legendre Coefficients

70-Yb-179

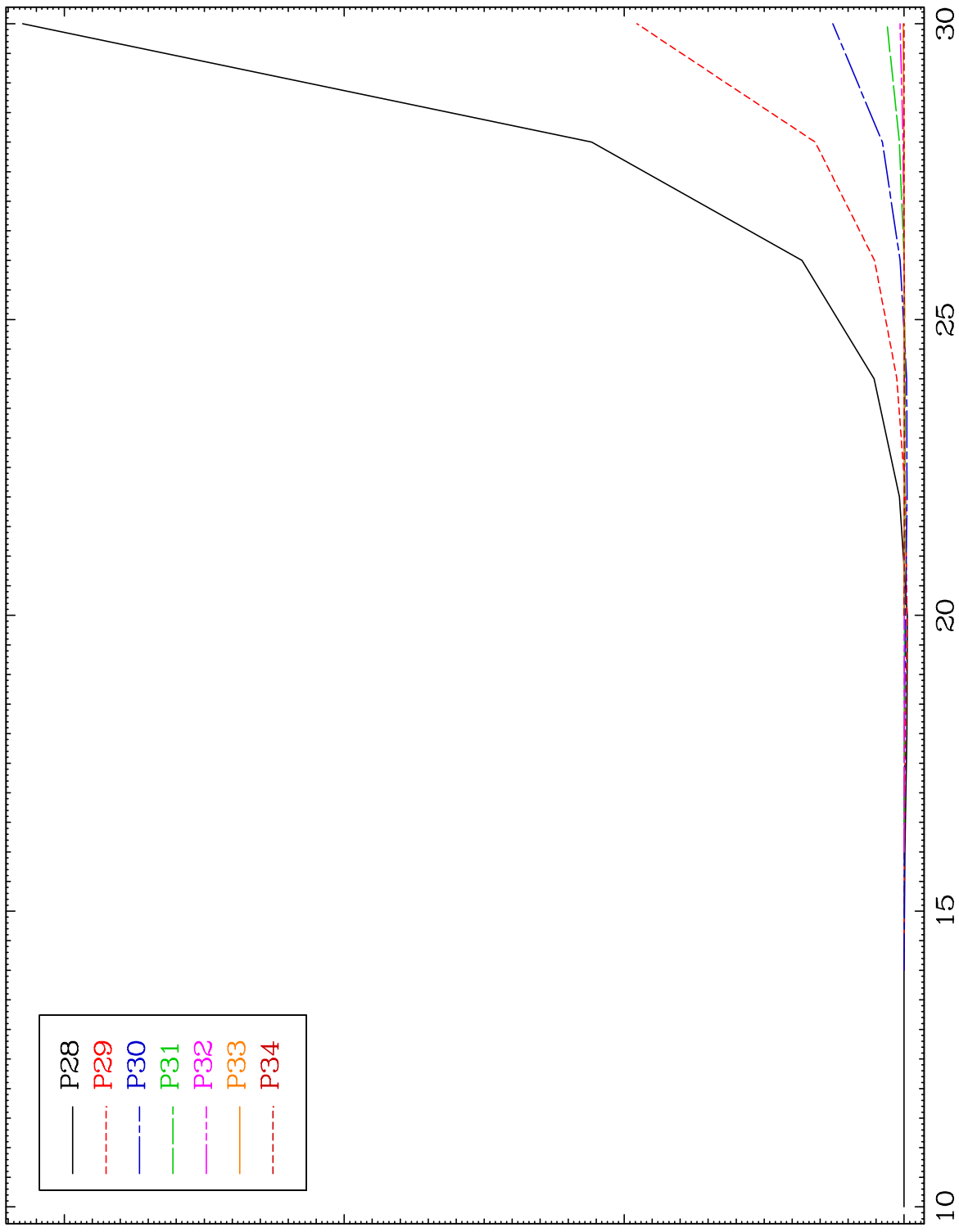


$\times 10^{-66}$

Legendre (CM)

Incident Energy (MeV)

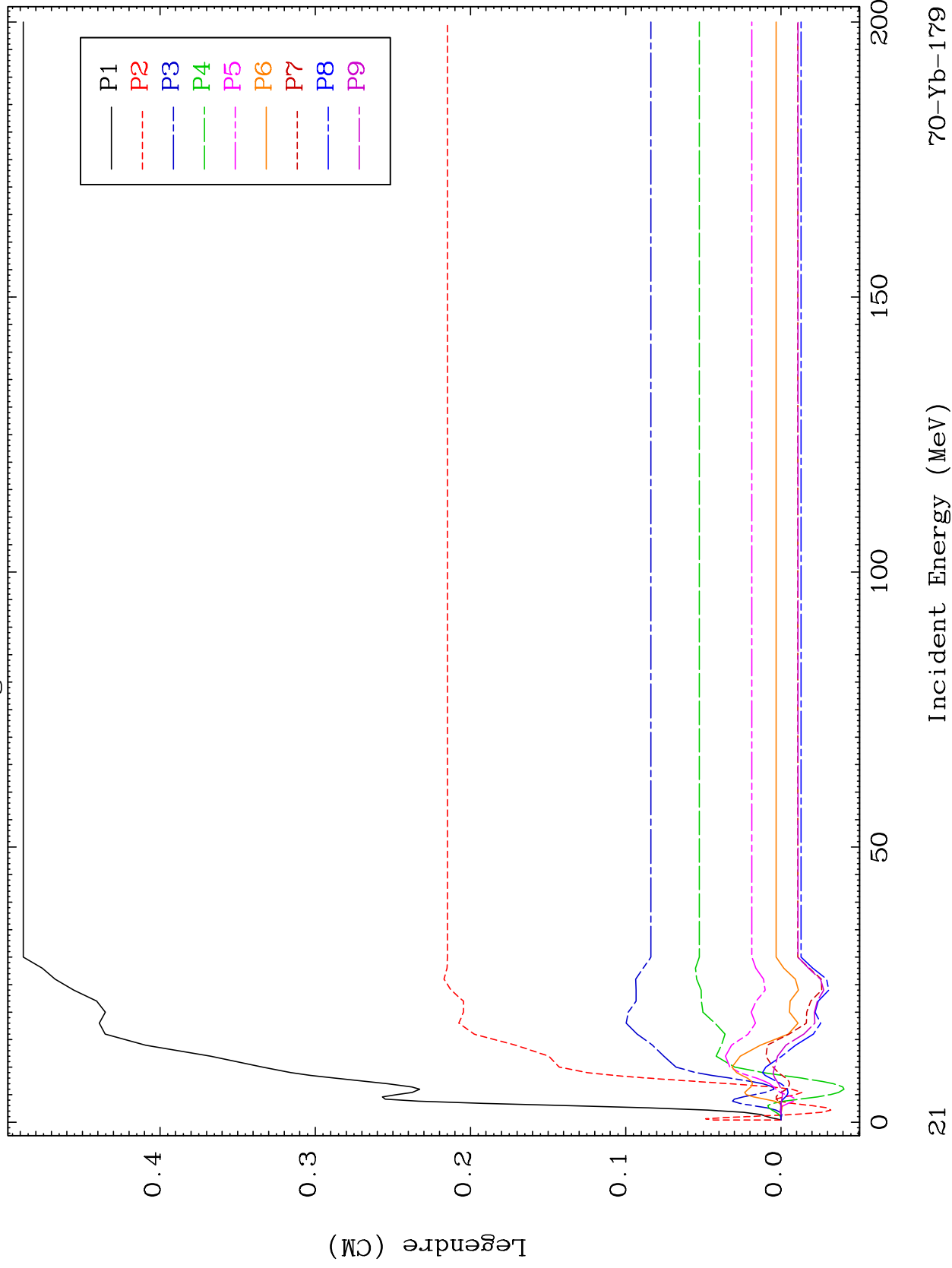
70-Yb-179



MAT 7058

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

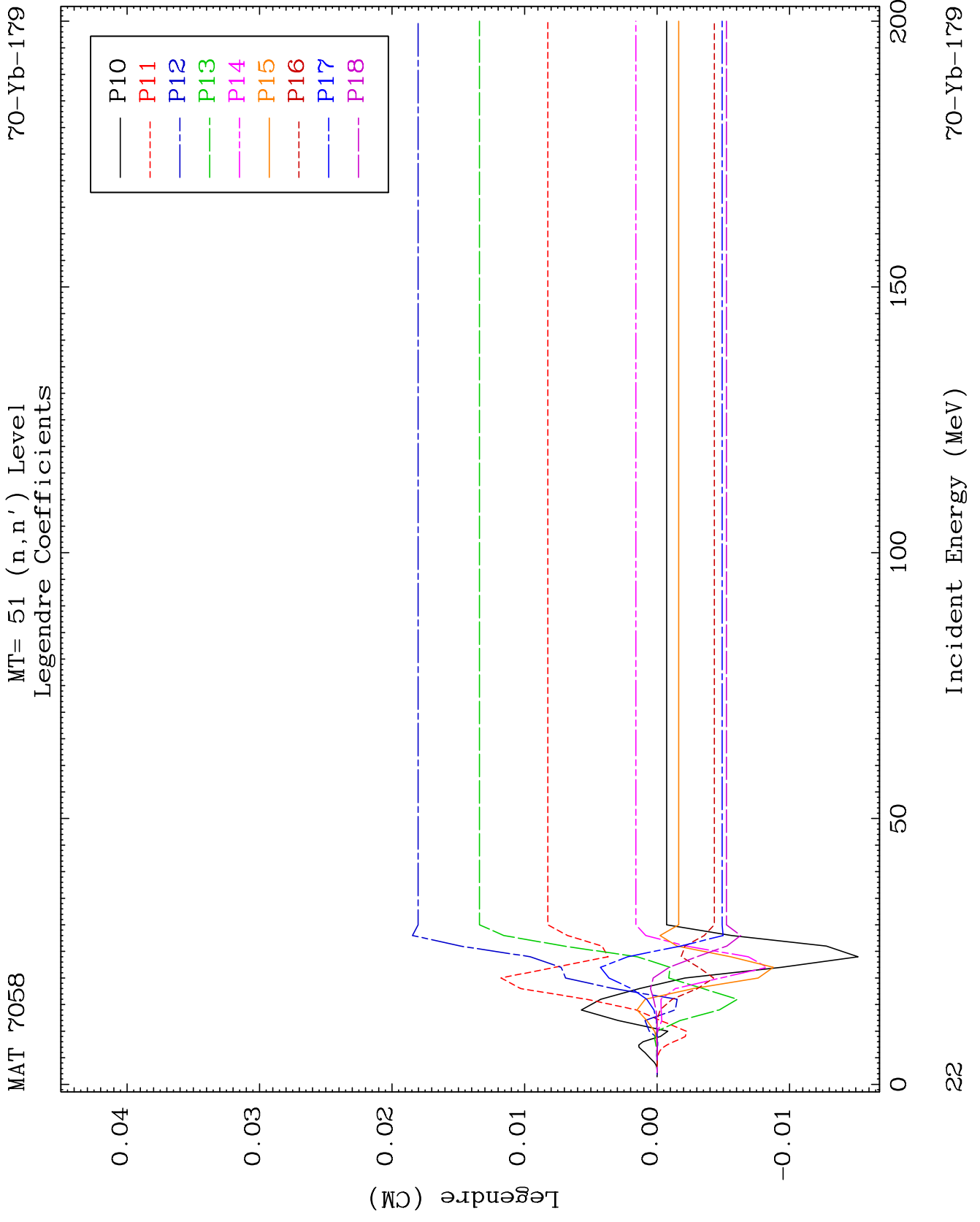
70-Yb-179



21

Incident Energy (MeV)

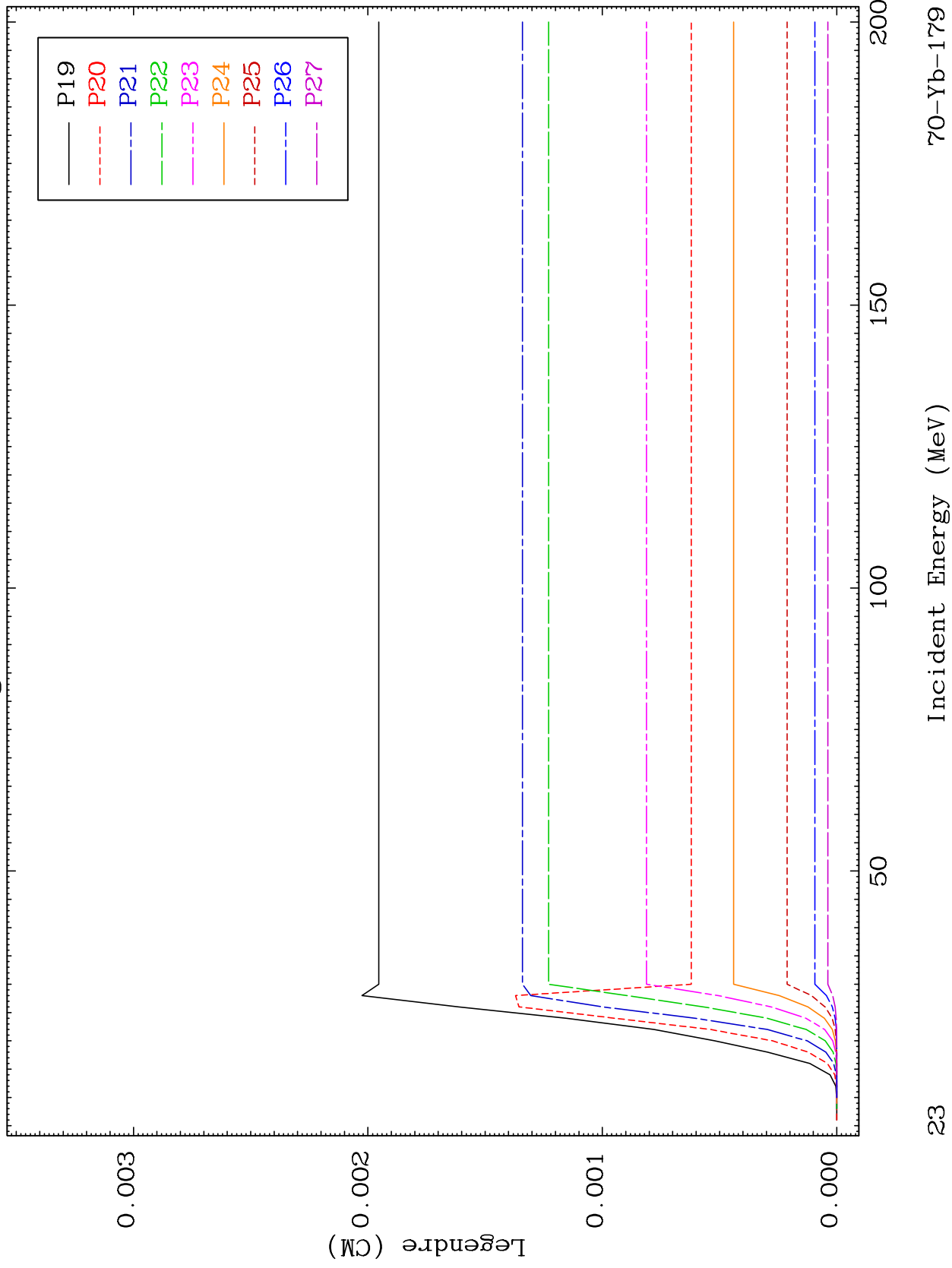
70-Yb-179



MAT 7058

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

70-Yb-179



23

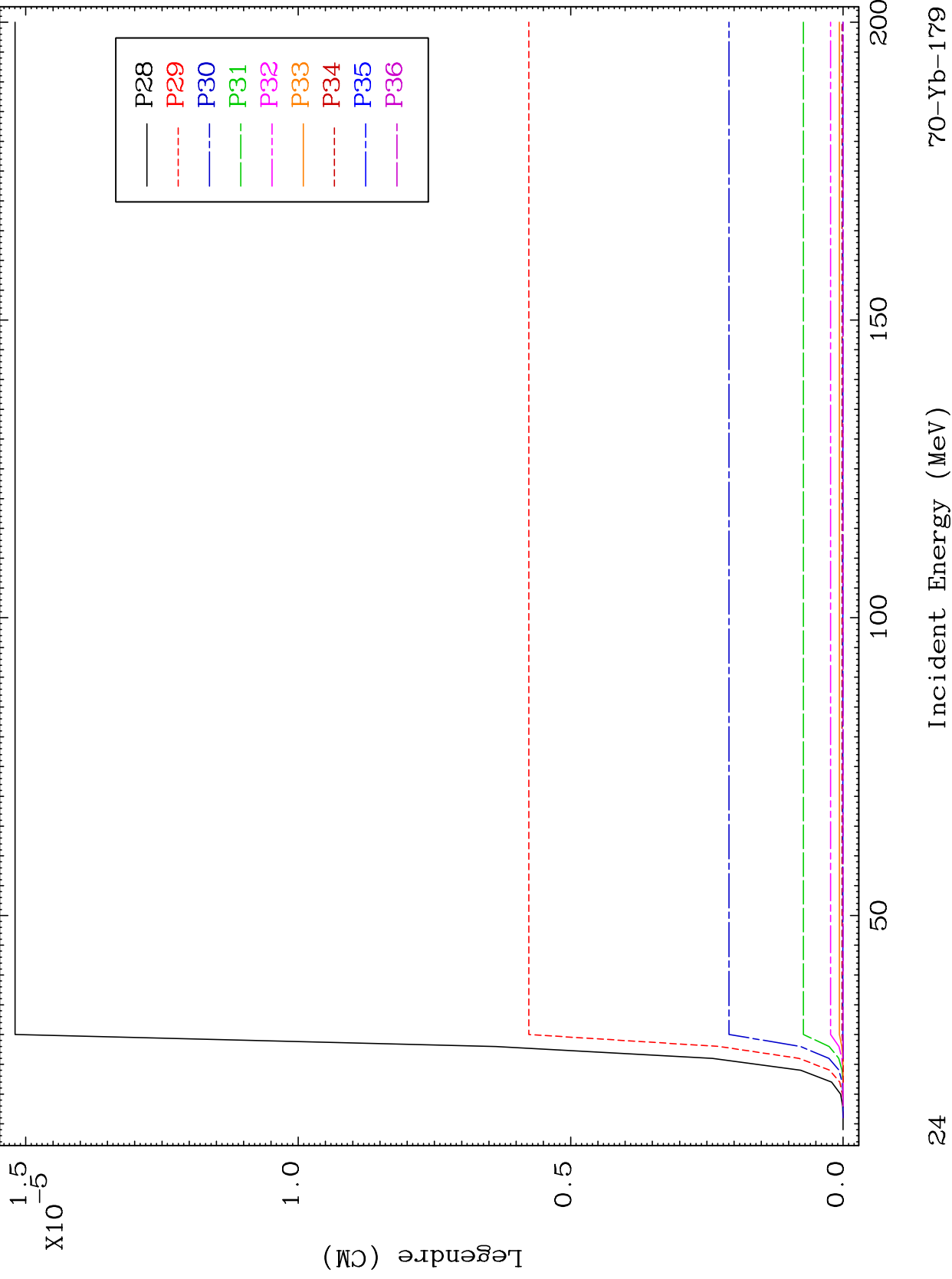
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



24

Incident Energy (MeV)

70-Yb-179

200

150

100

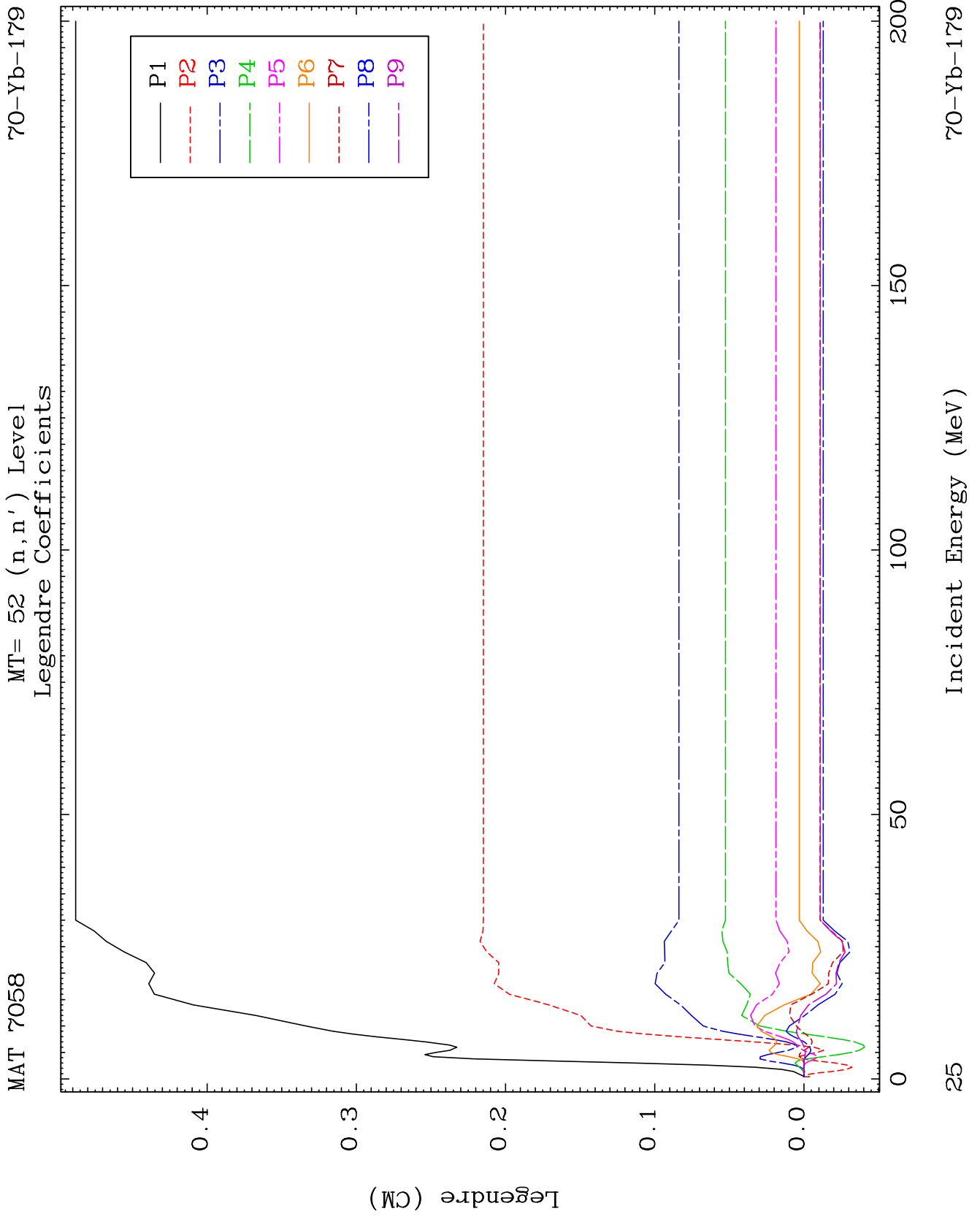
50

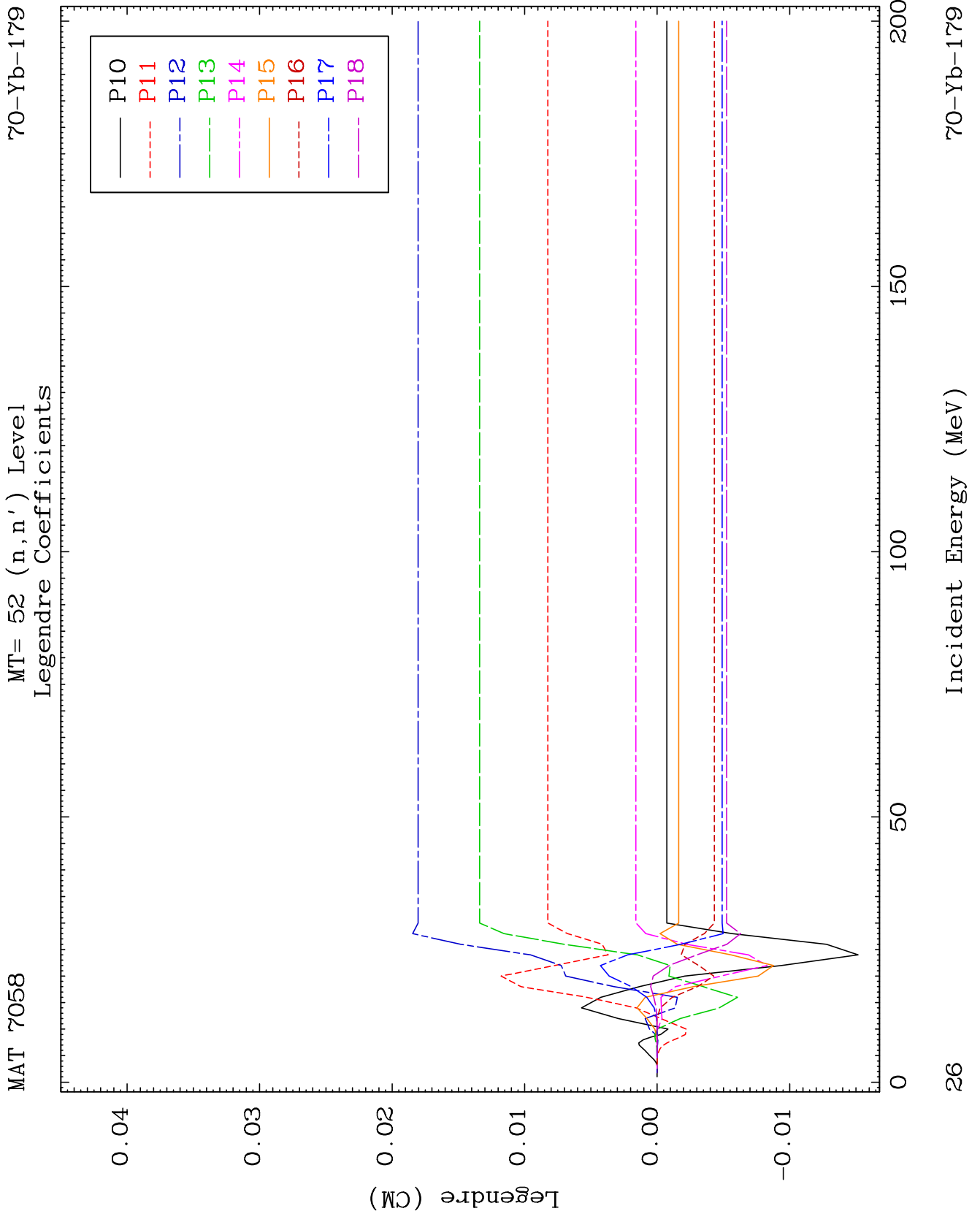
1.5
 $\times 10^{-5}$

1.0

0.5

0.0

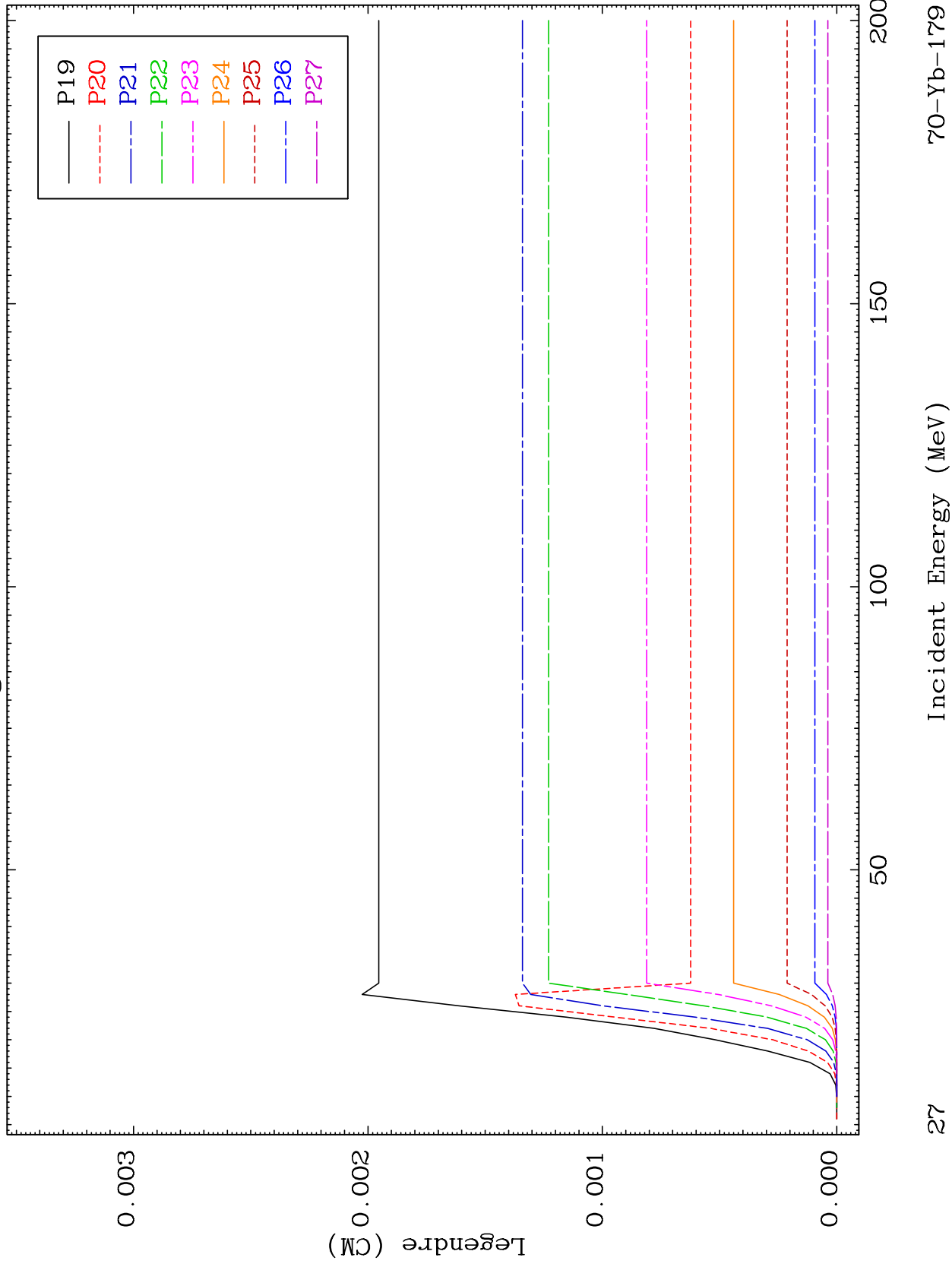




MAT 7058

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

70-Yb-179



27

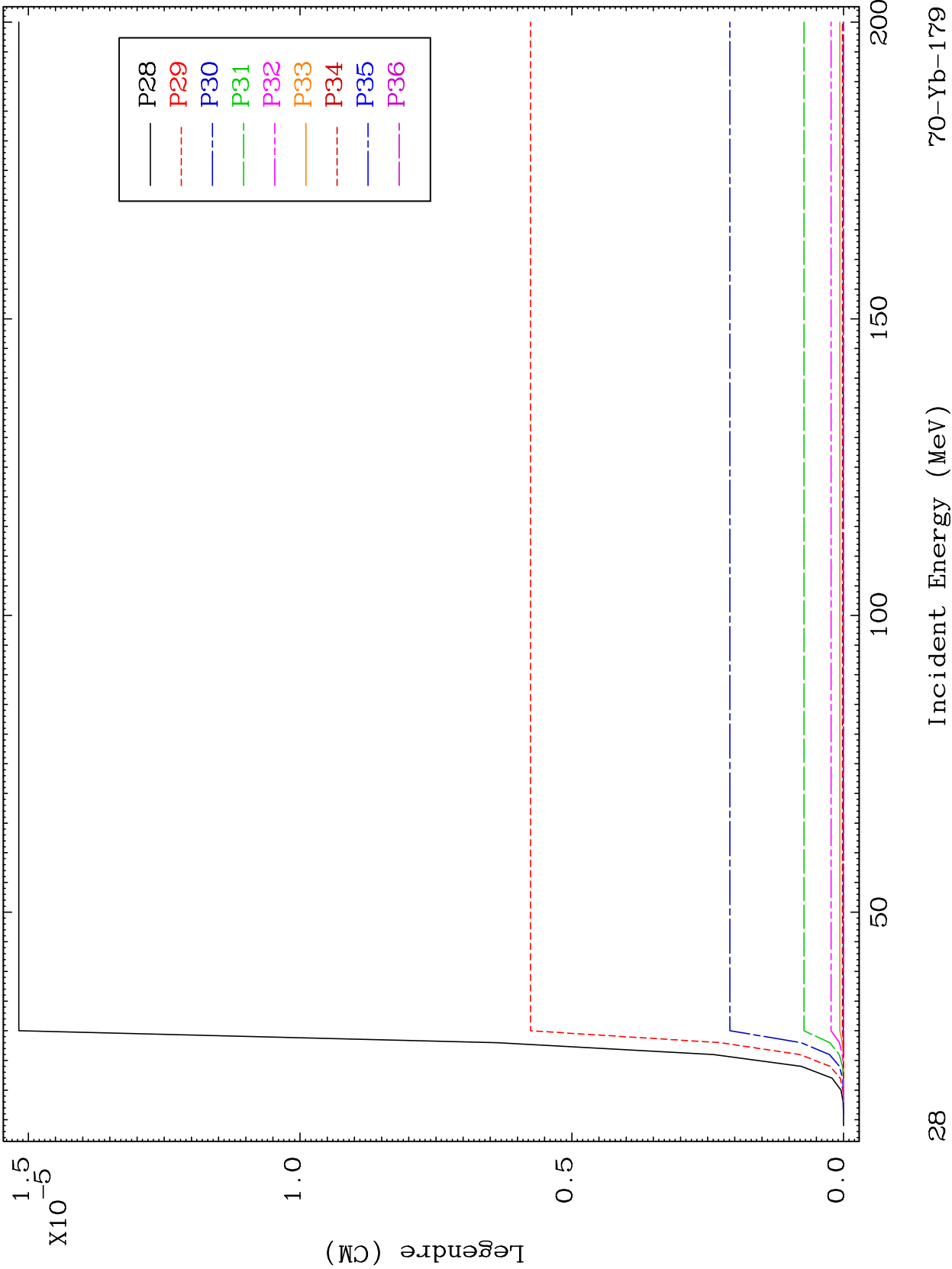
Incident Energy (MeV)

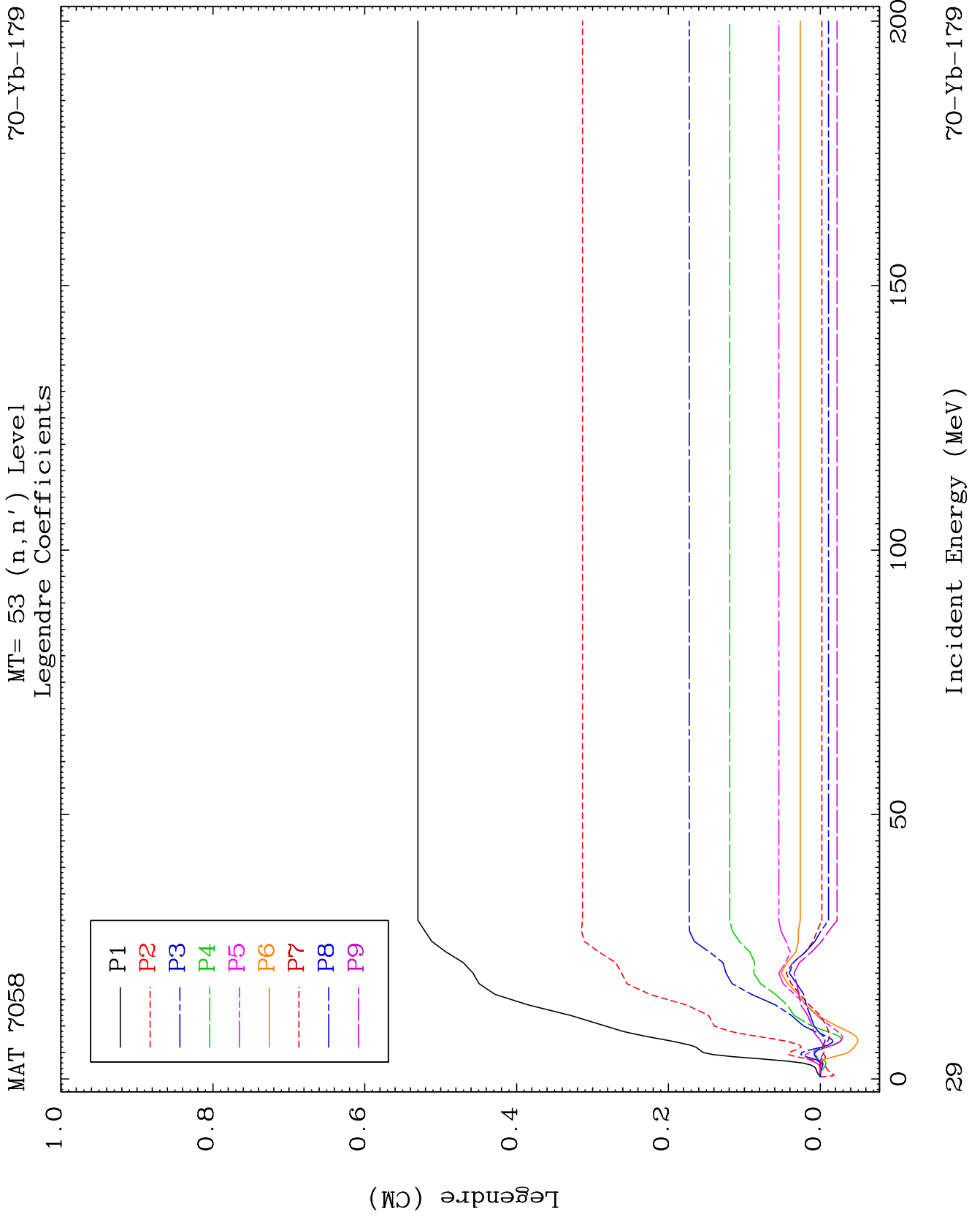
70-Yb-179

MAT 7058

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

70-Yb-179

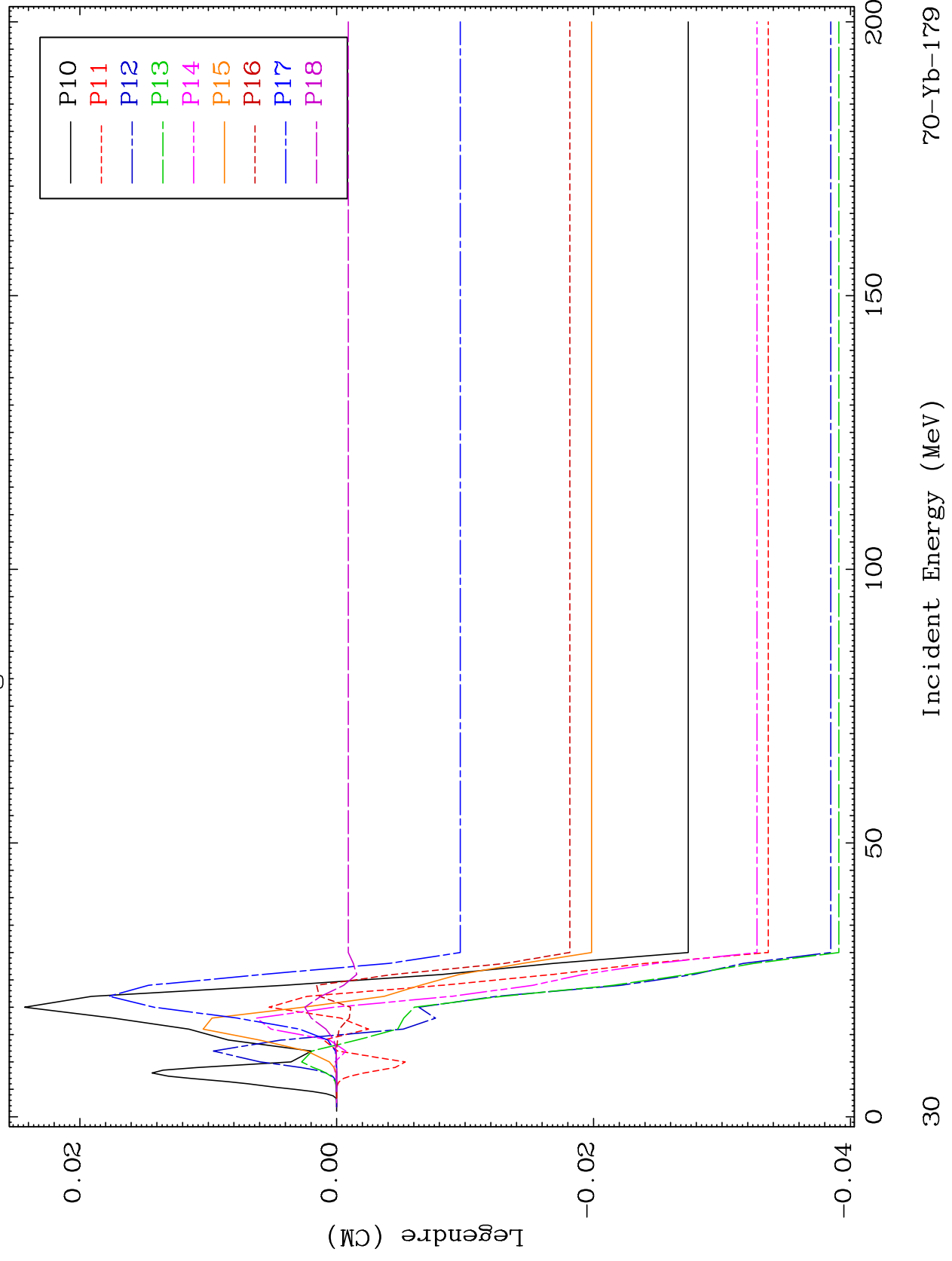




MAT 7058

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

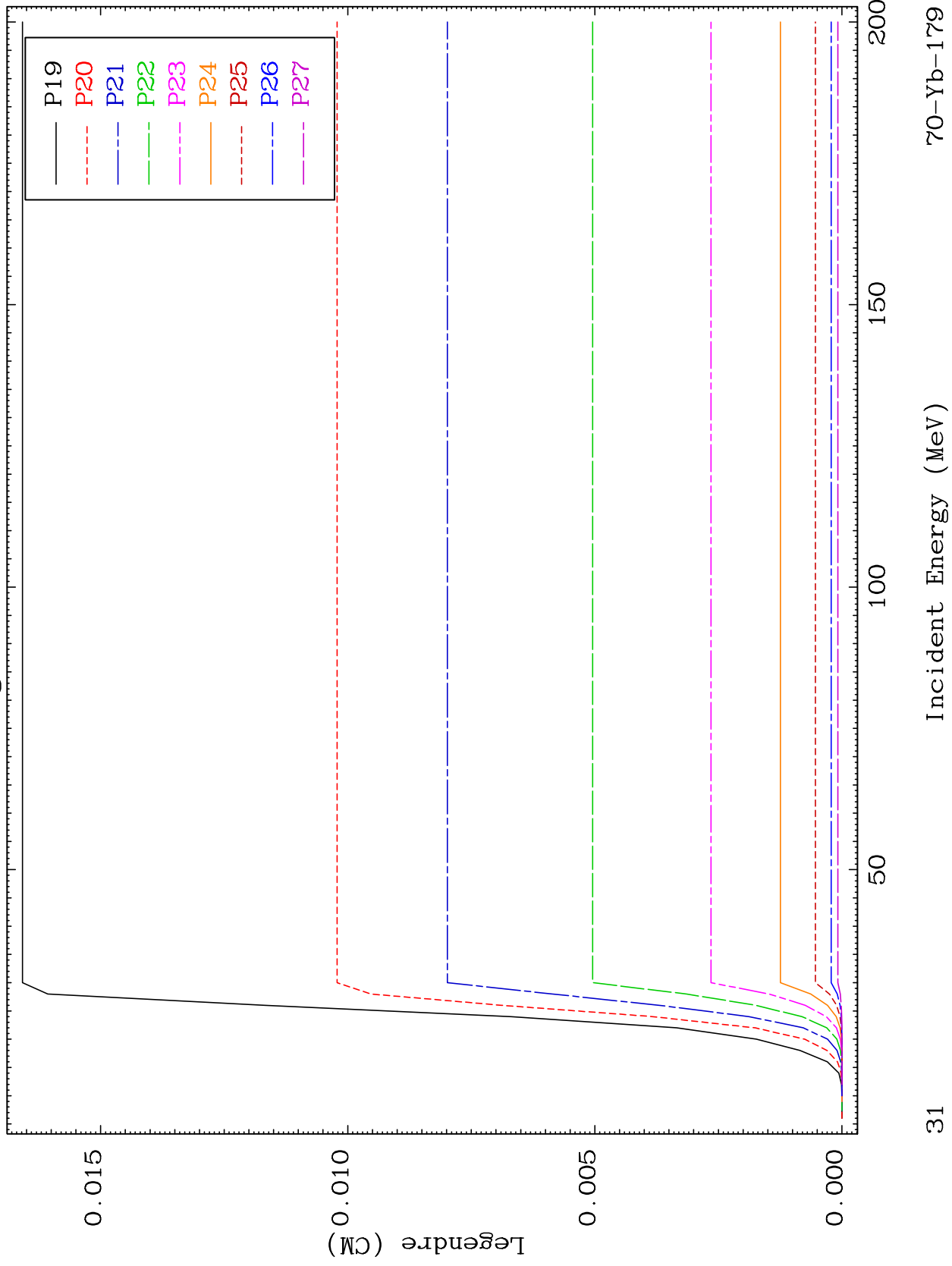
70-Yb-179



MAT 7058

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

70-Yb-179



31

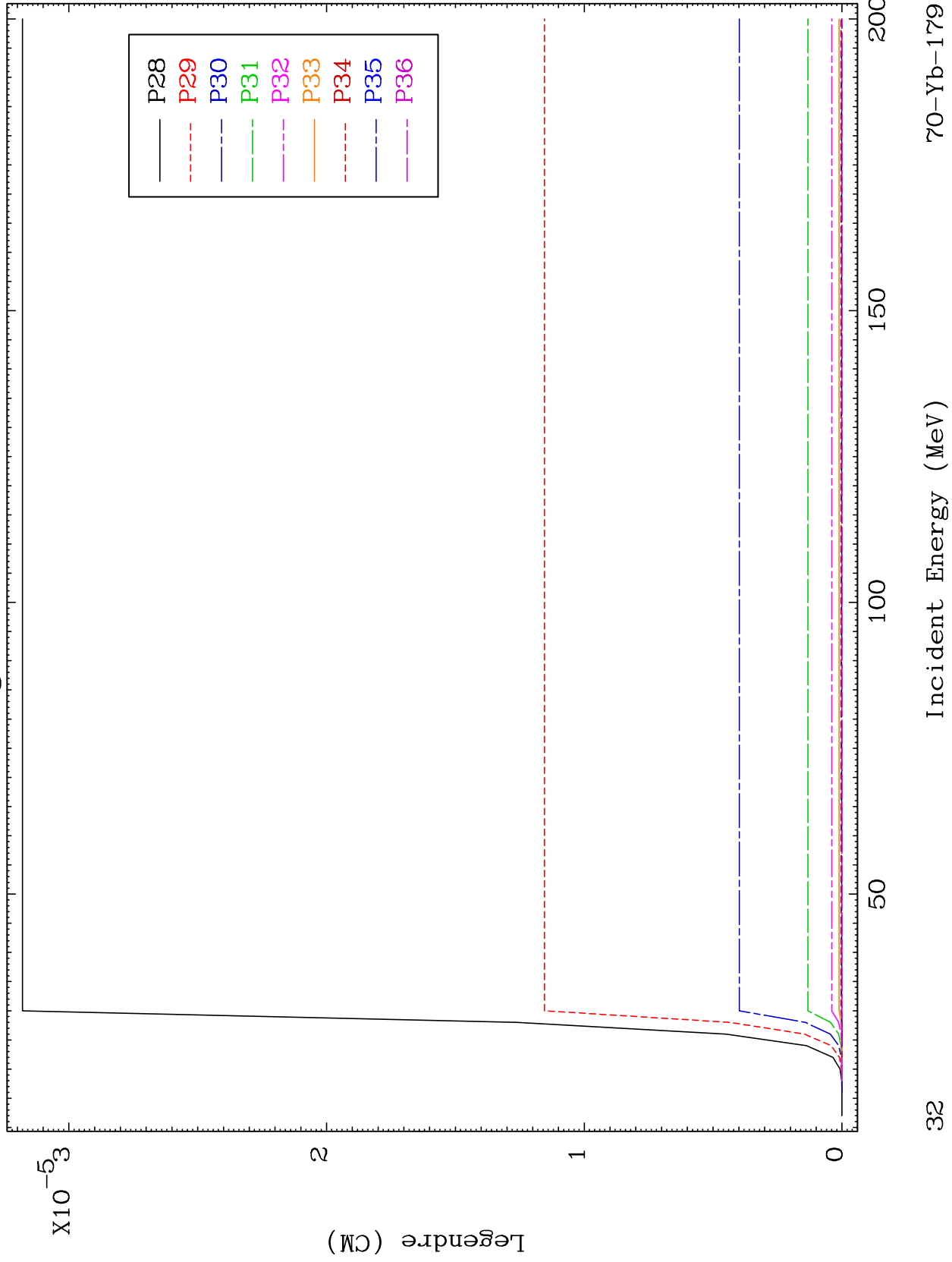
Incident Energy (MeV)

70-Yb-179

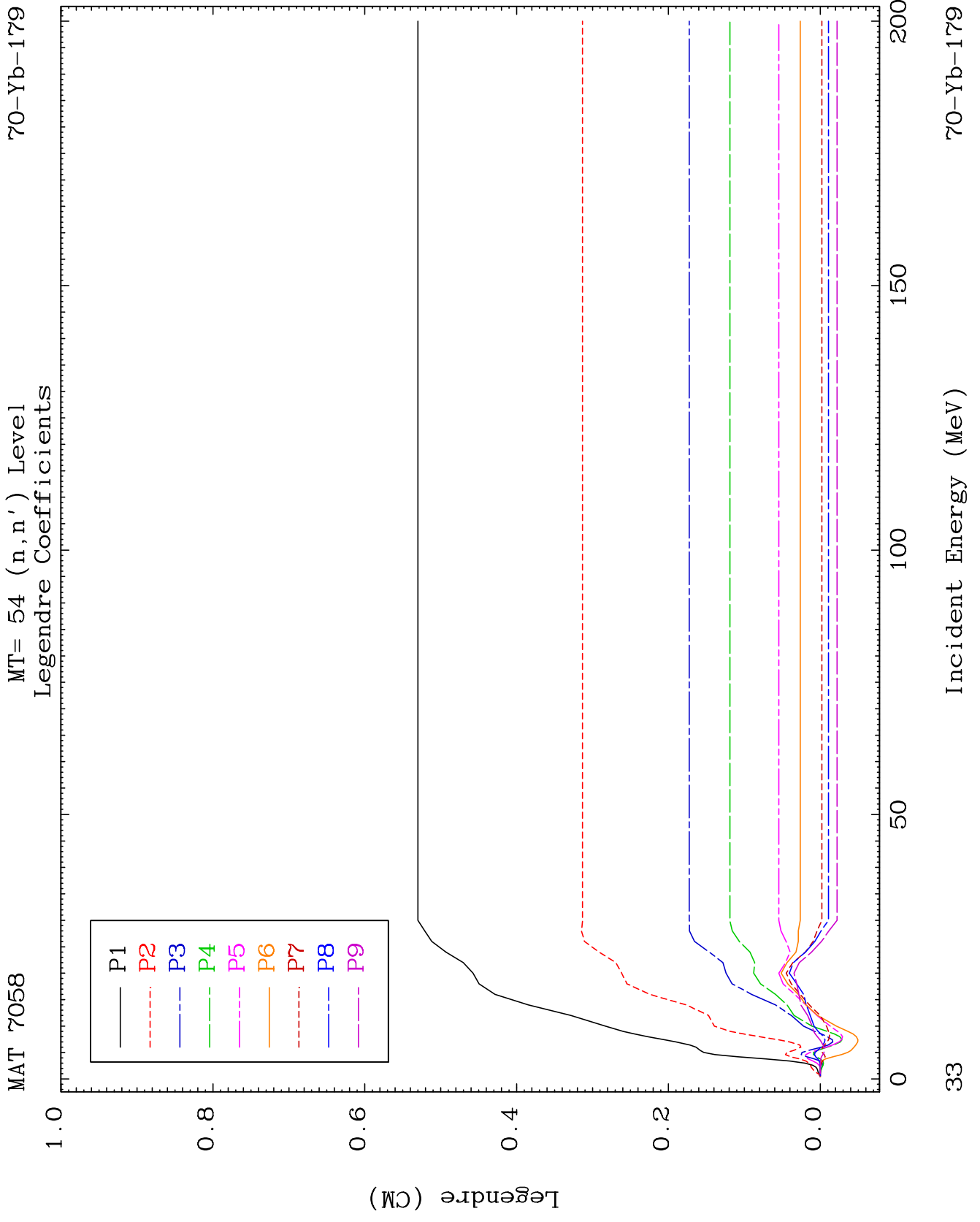
MAT 7058

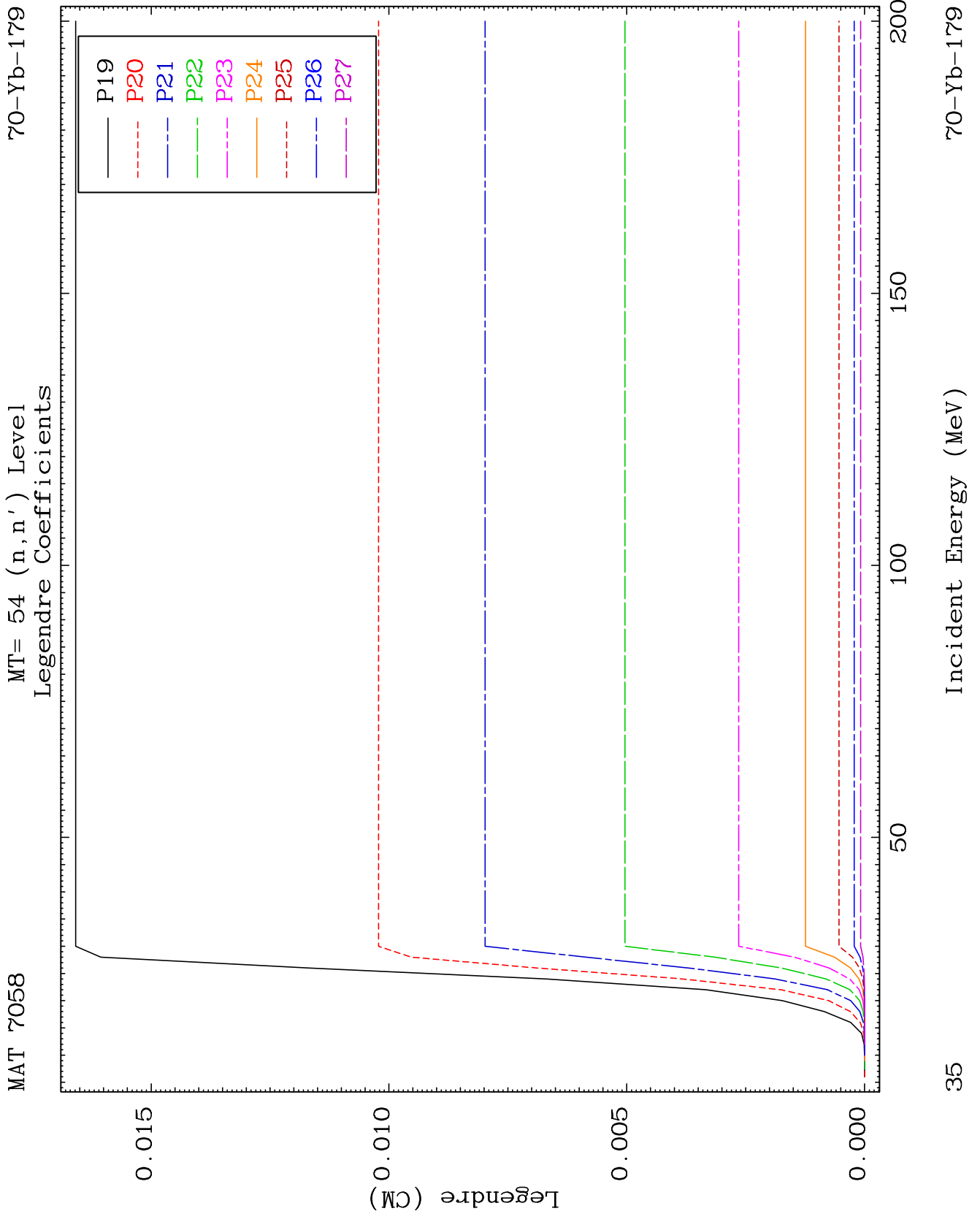
MT= 53 (n,n') Level
Legendre Coefficients

70-Yb-179



32

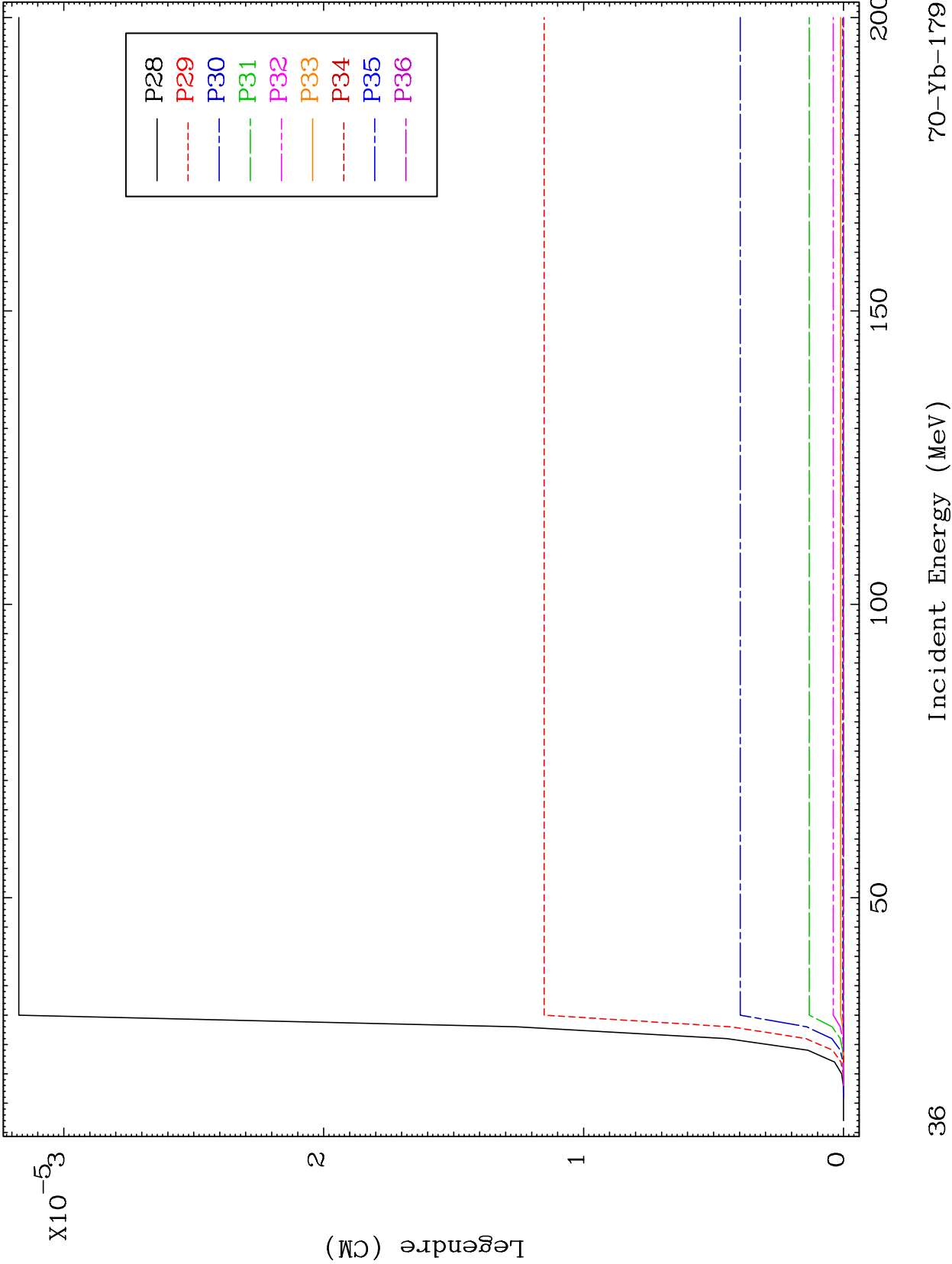




MAT 7058

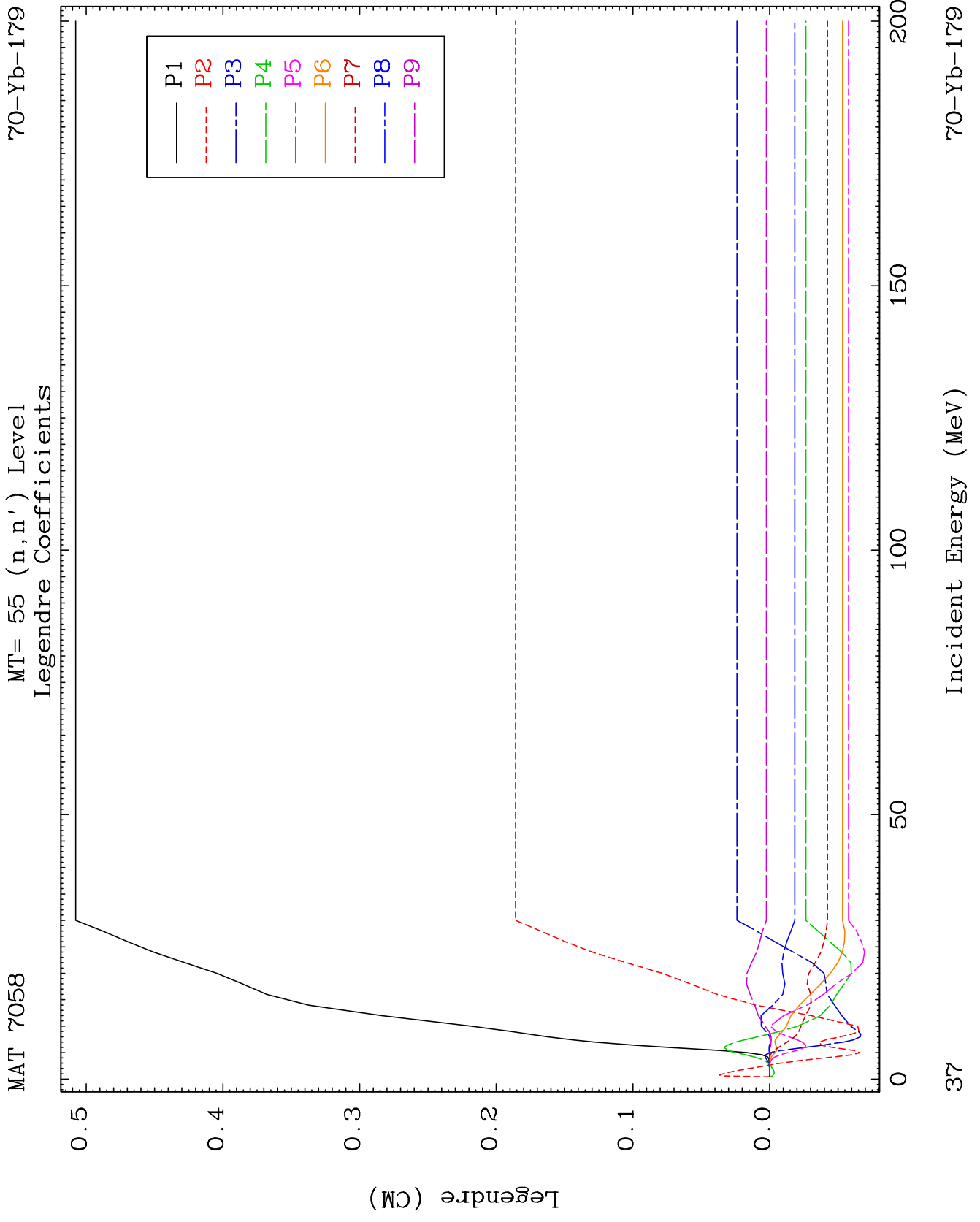
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Legendre Coefficients

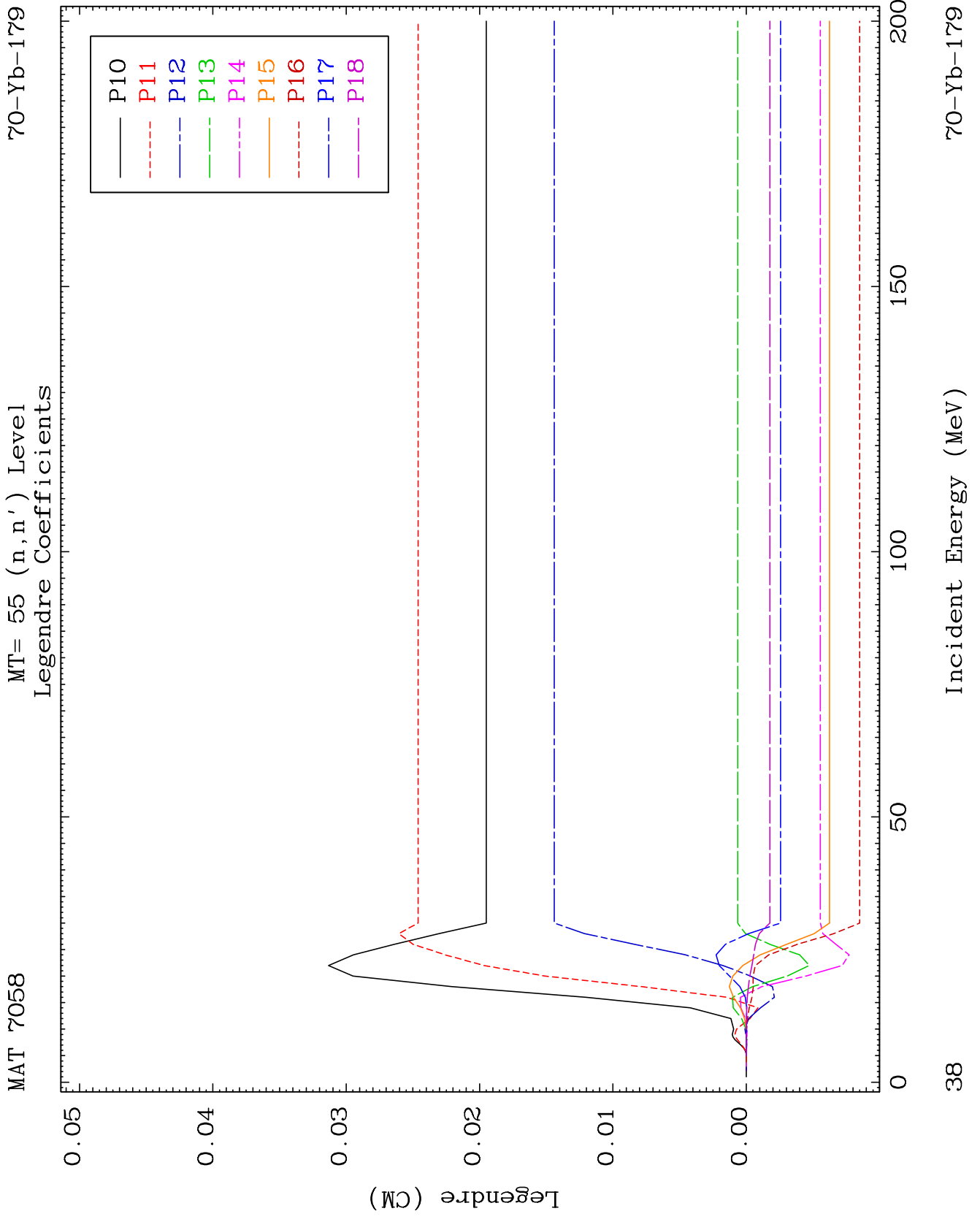
70-Yb-179



36

70-Yb-179

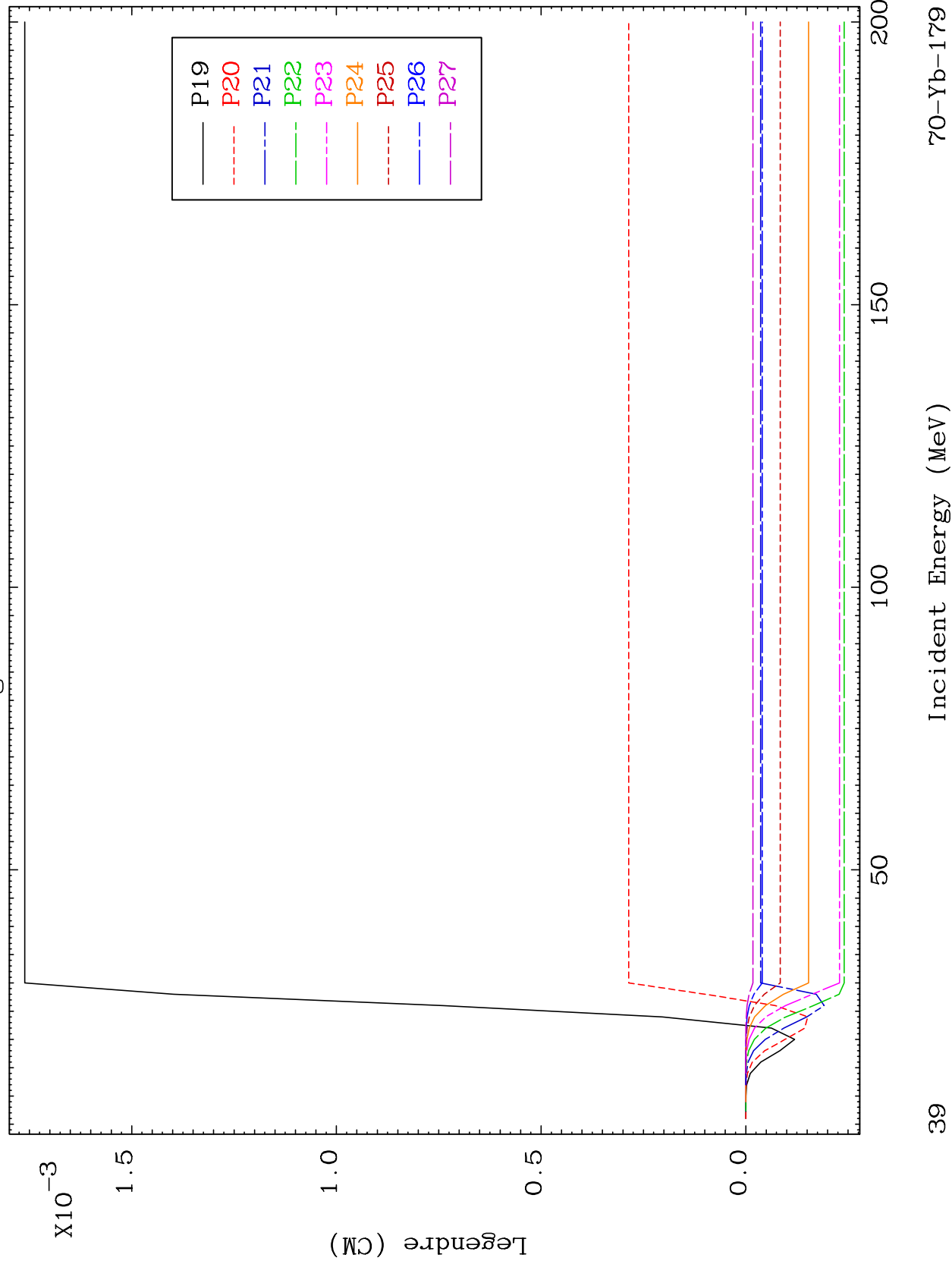




MAT 7058

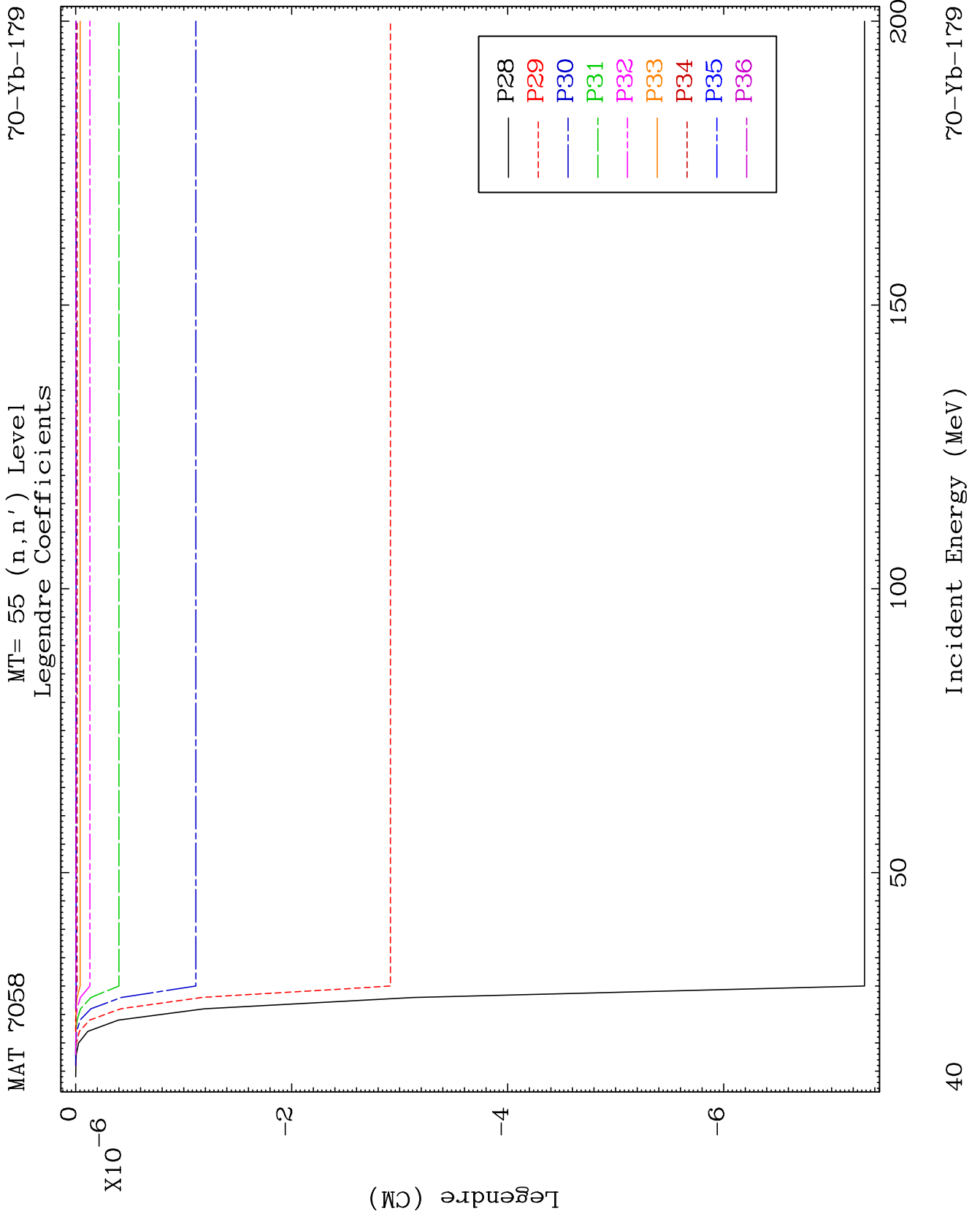
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Legendre Coefficients

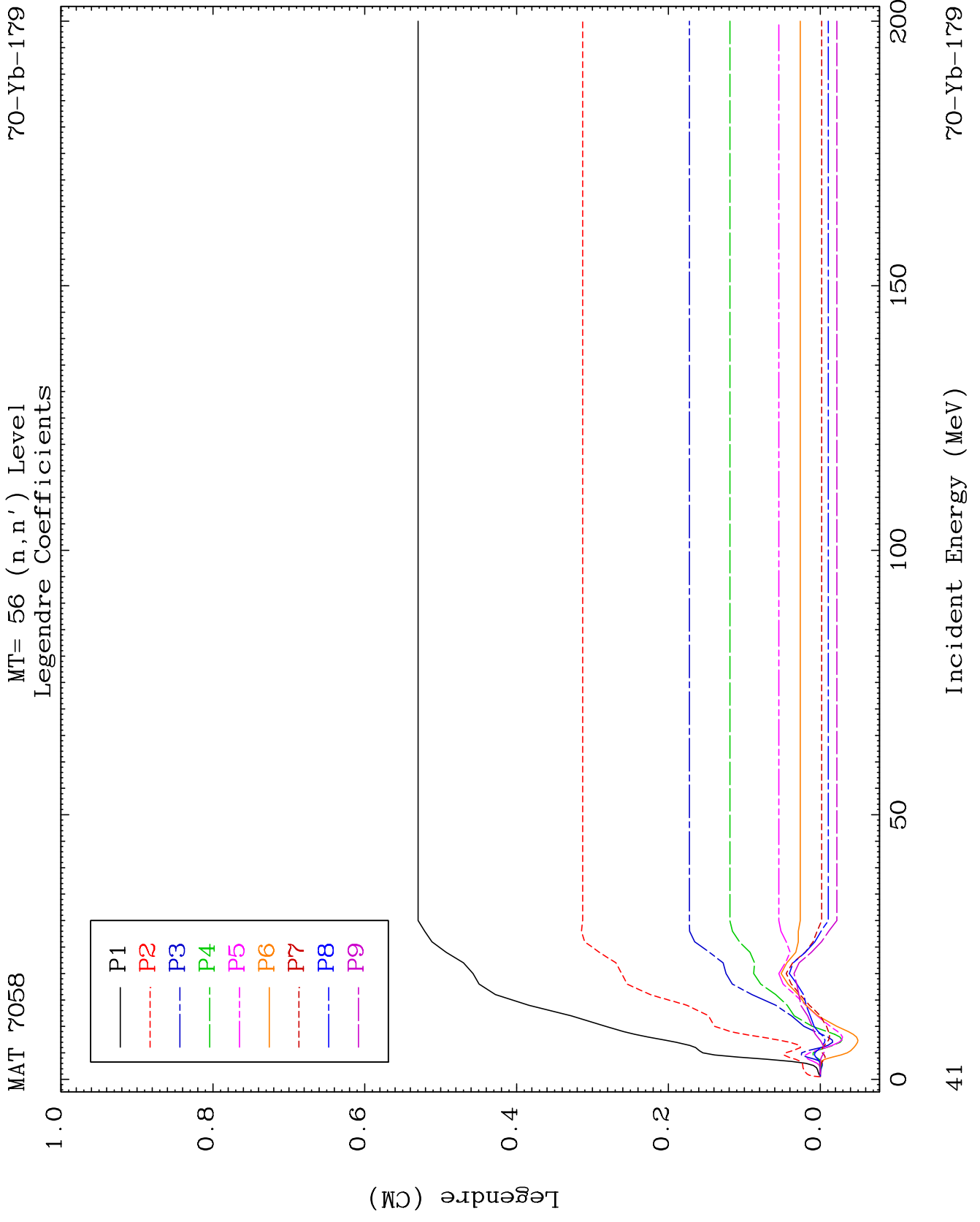
70-Yb-179



39

70-Yb-179

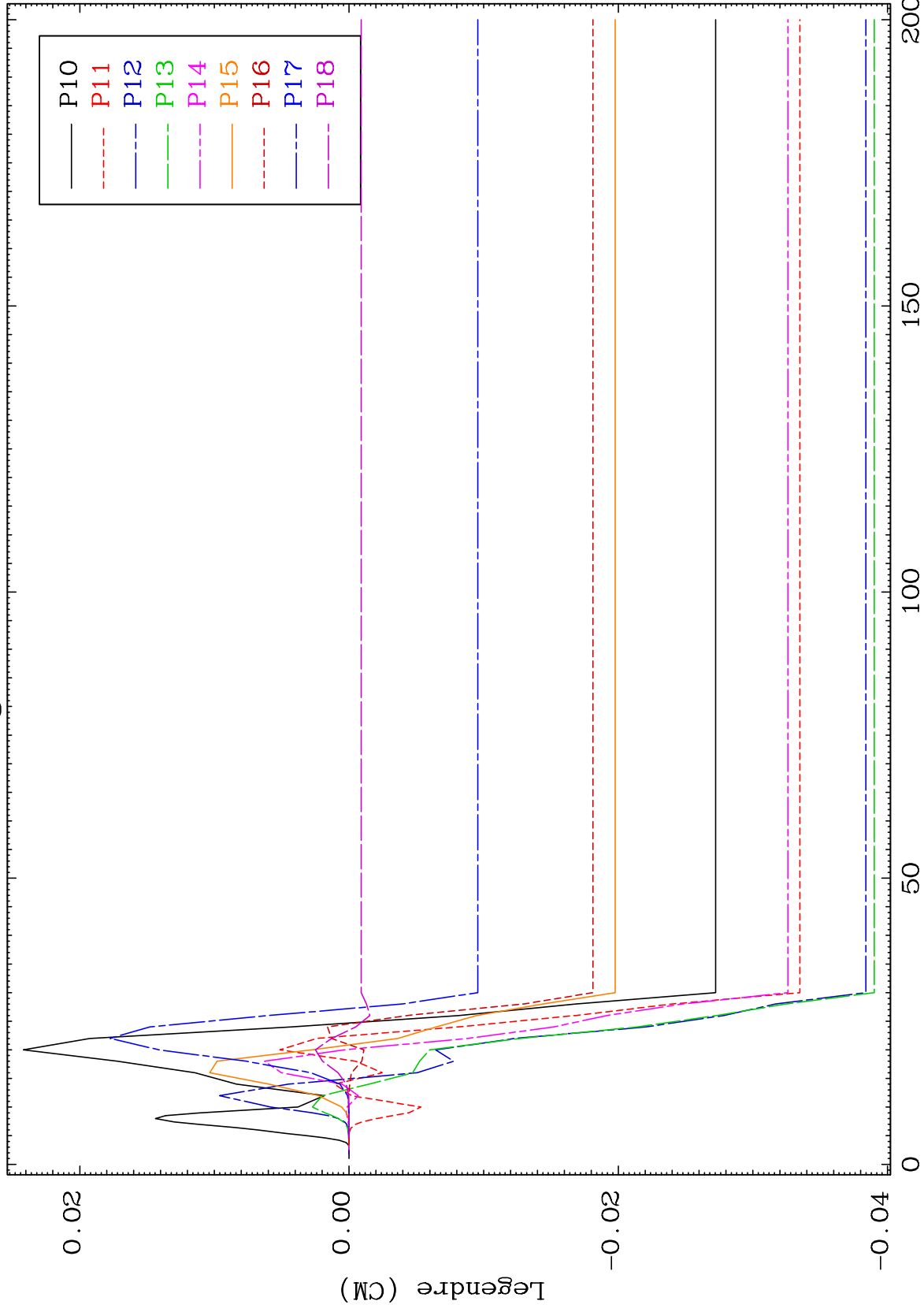




MAT 7058

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

70-Yb-179



42

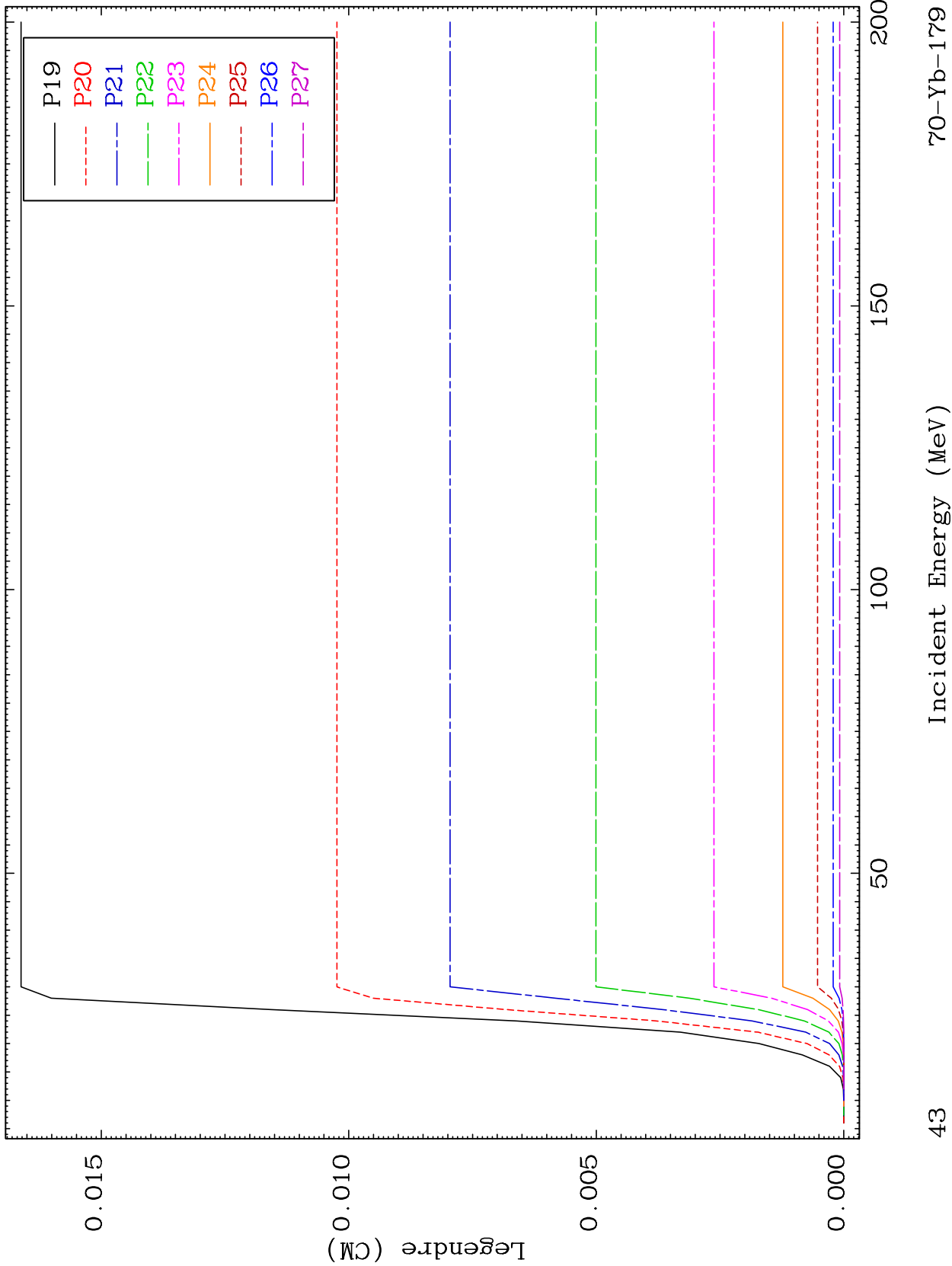
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



43

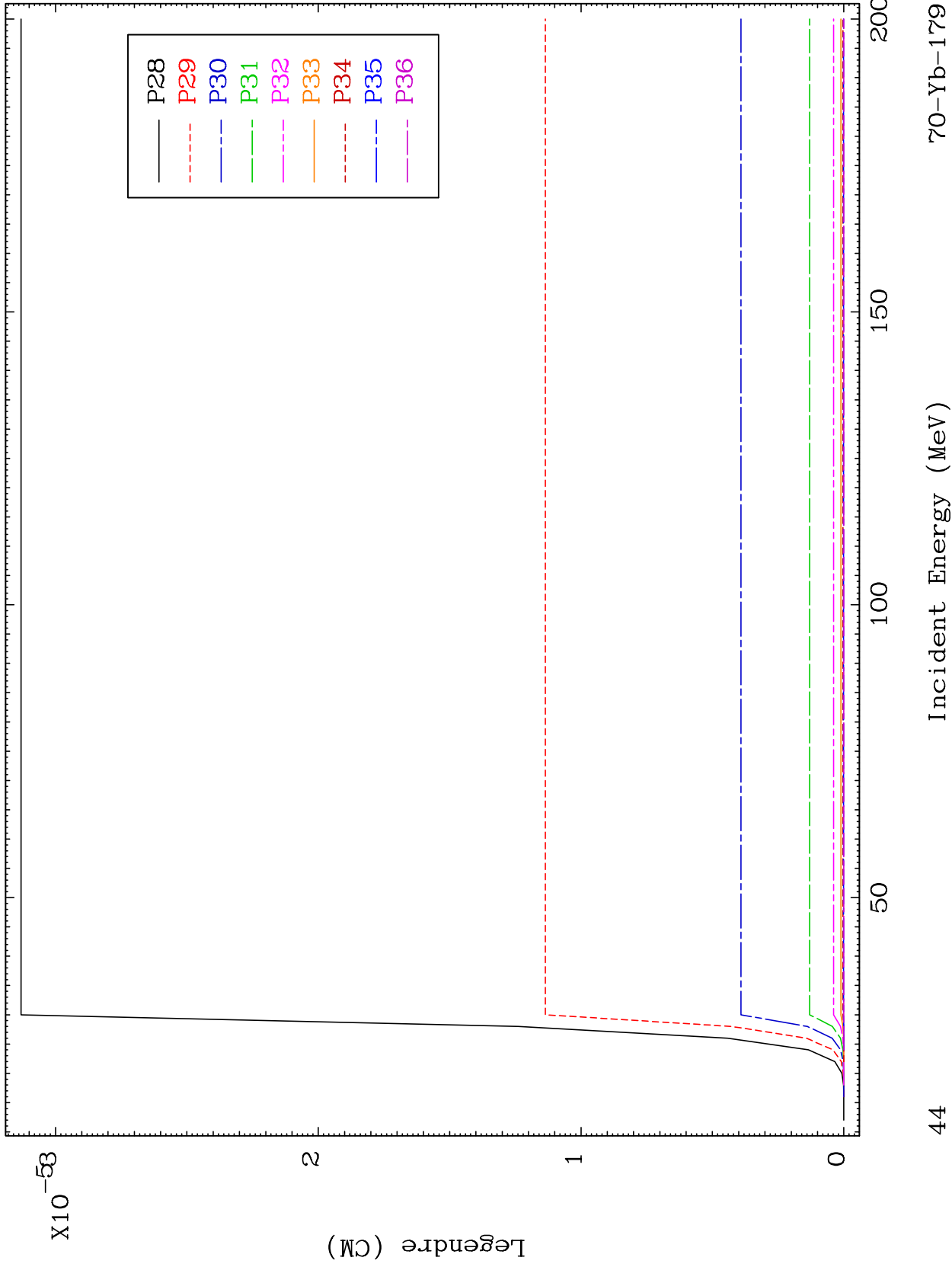
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

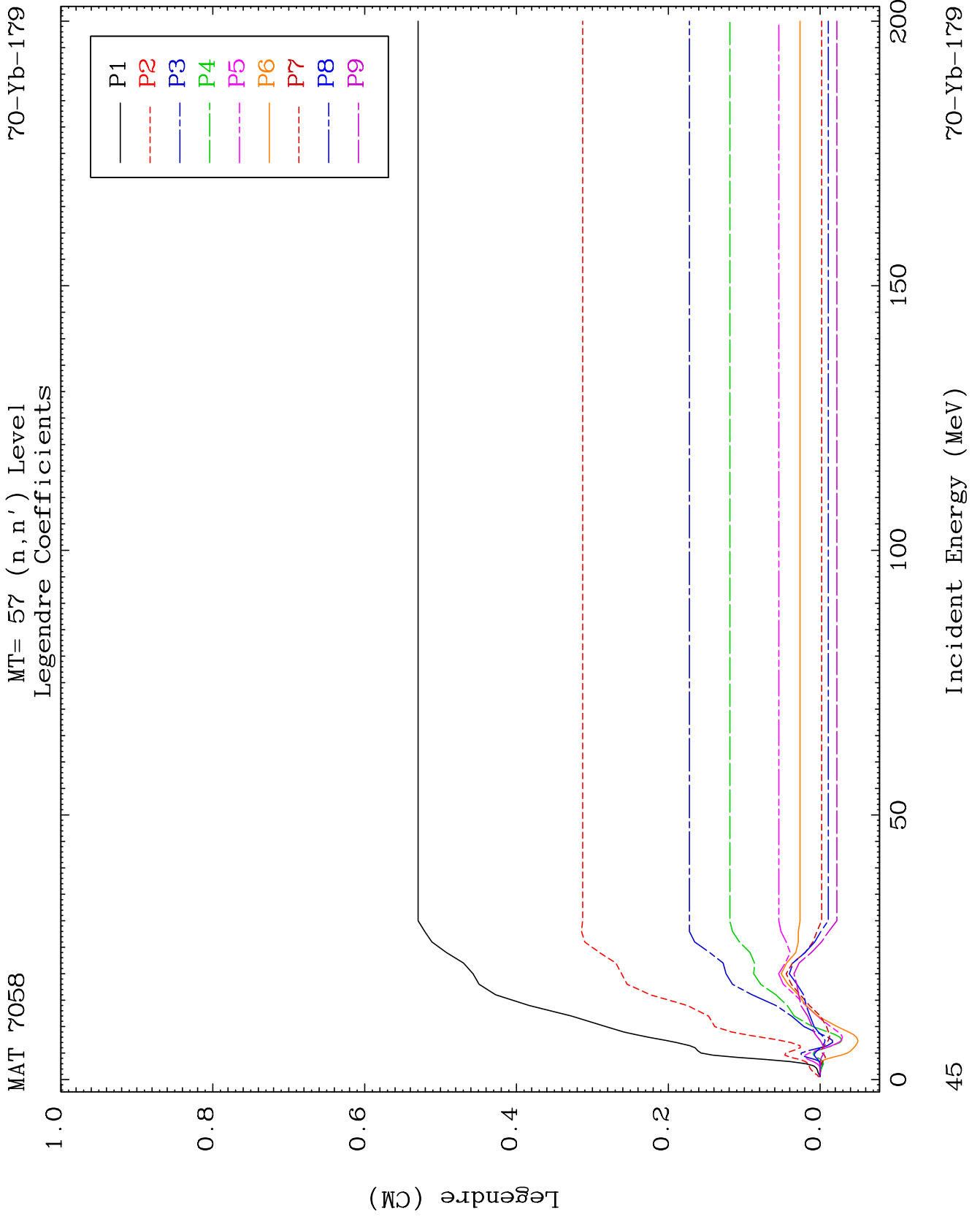
70-Yb-179



44

Incident Energy (MeV)

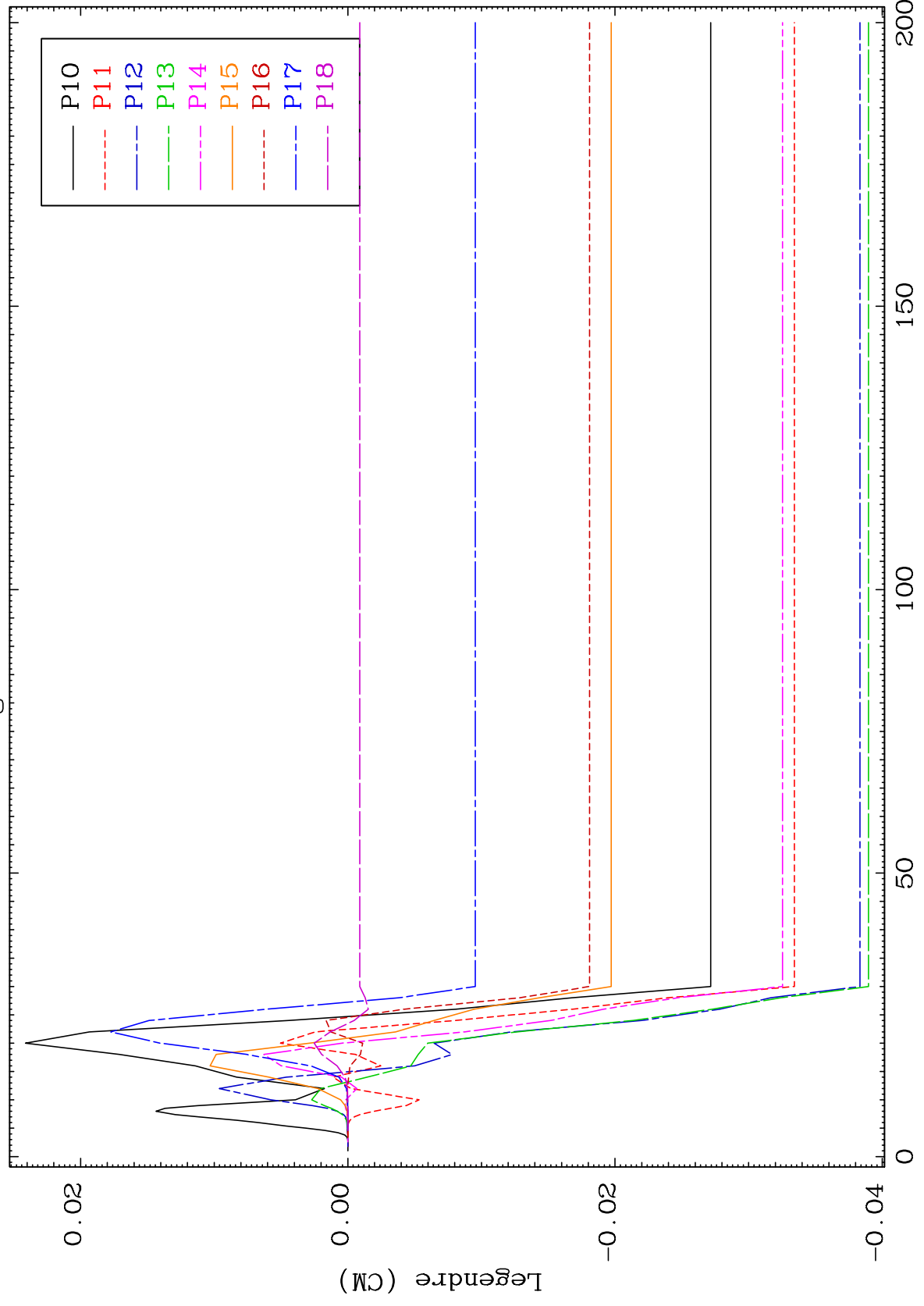
70-Yb-179



MAT 7058

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

70-Yb-179



46

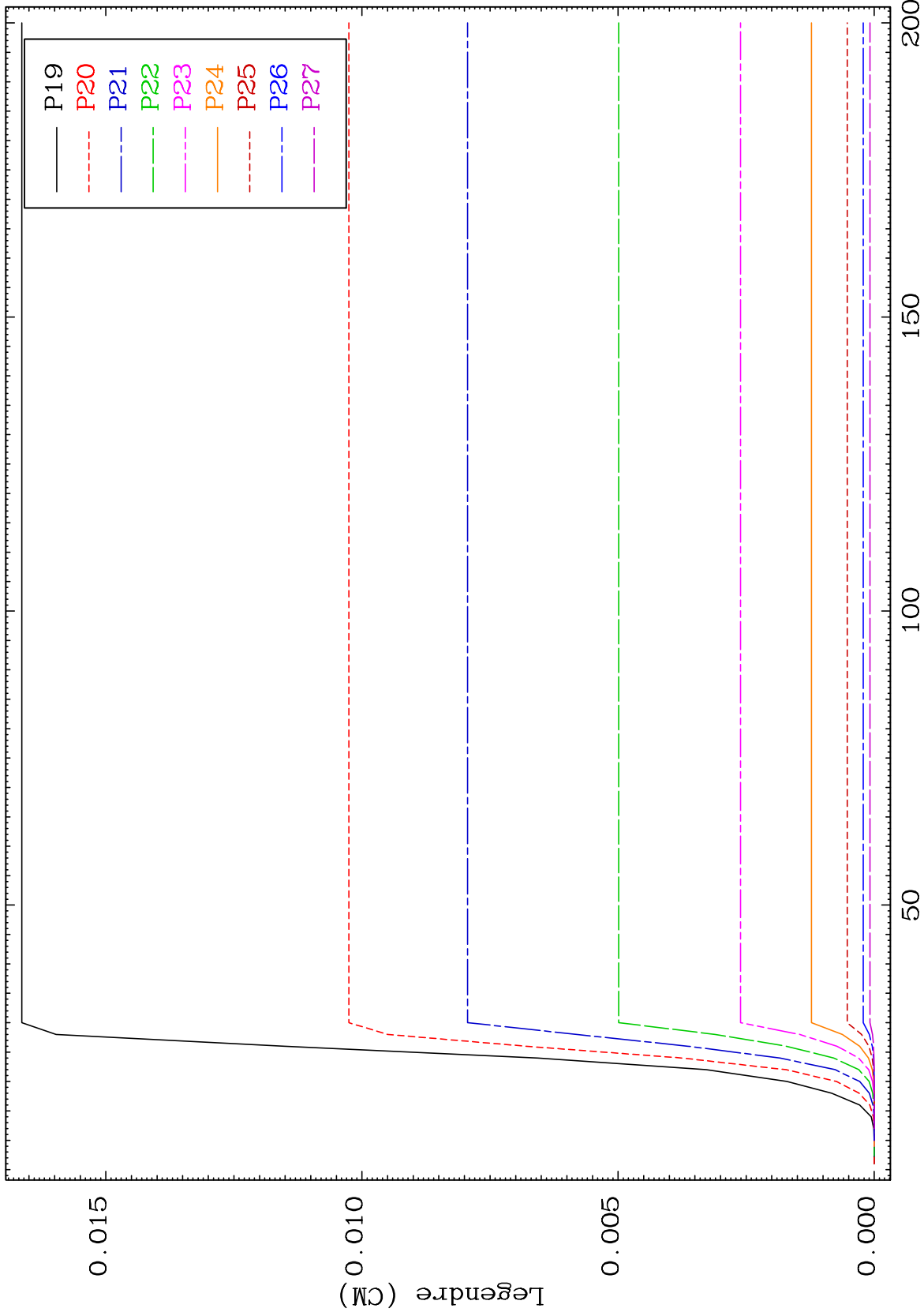
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



47

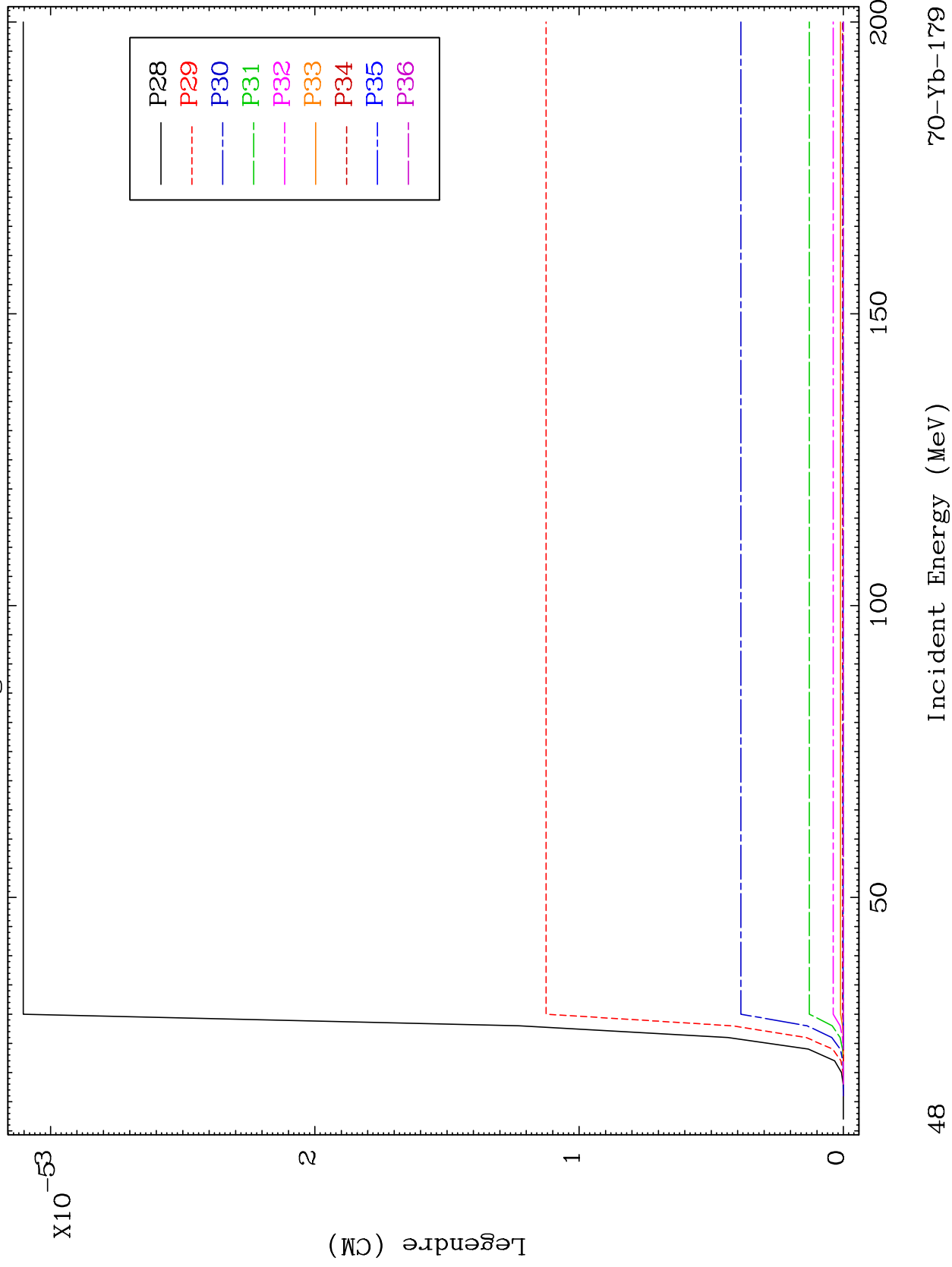
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

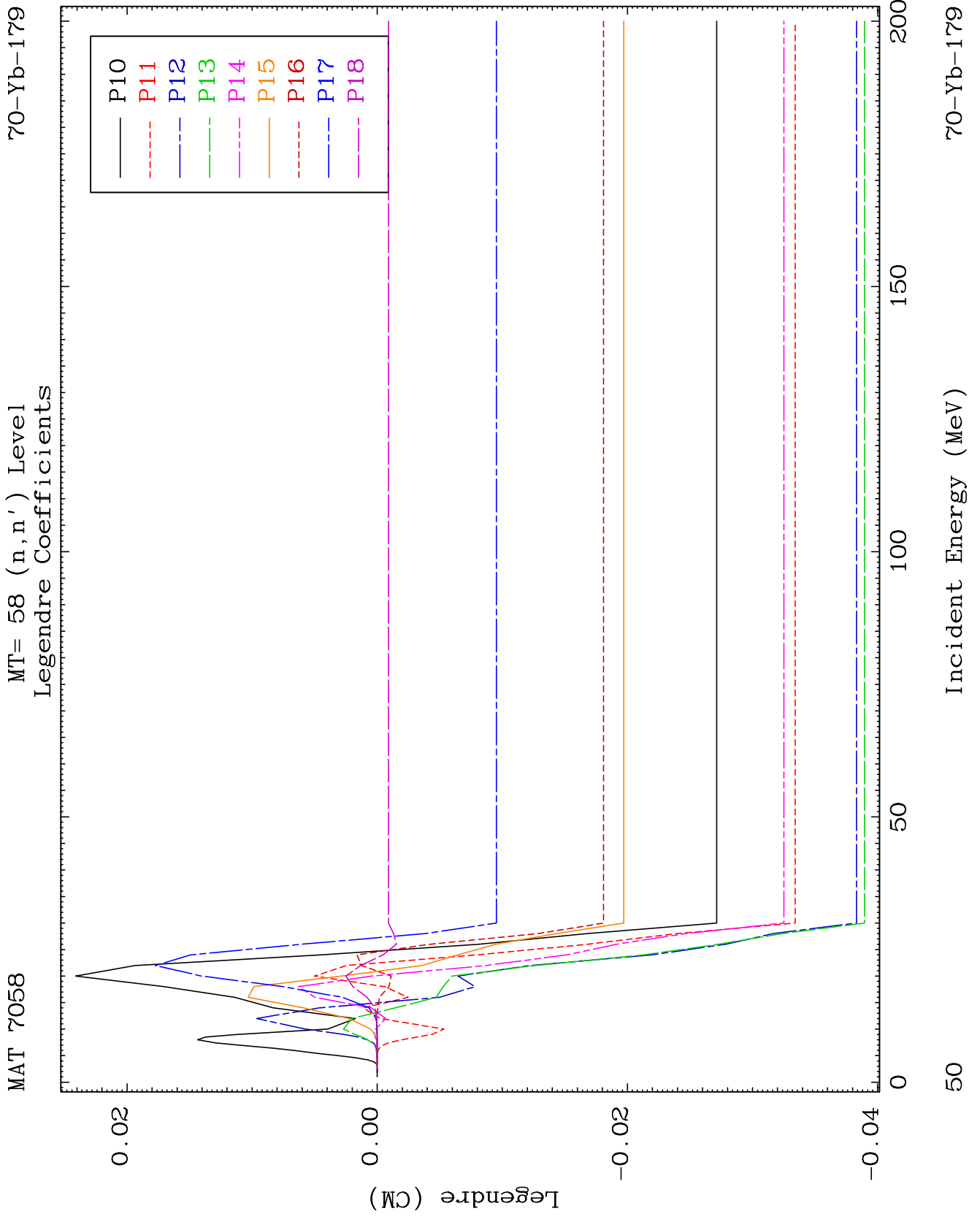
70-Yb-179



48

Incident Energy (MeV)

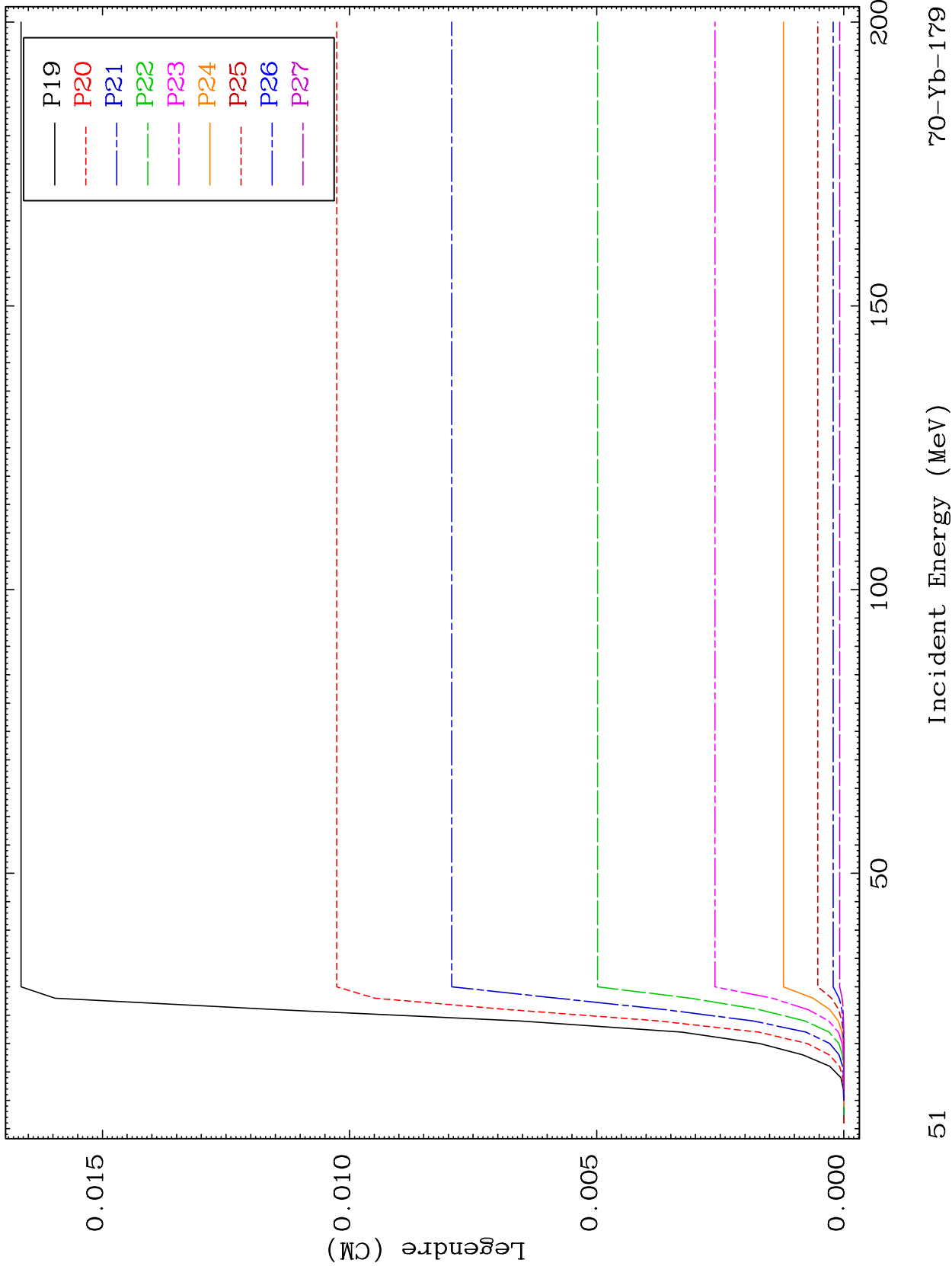
70-Yb-179



MAT 7058

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

70-Yb-179



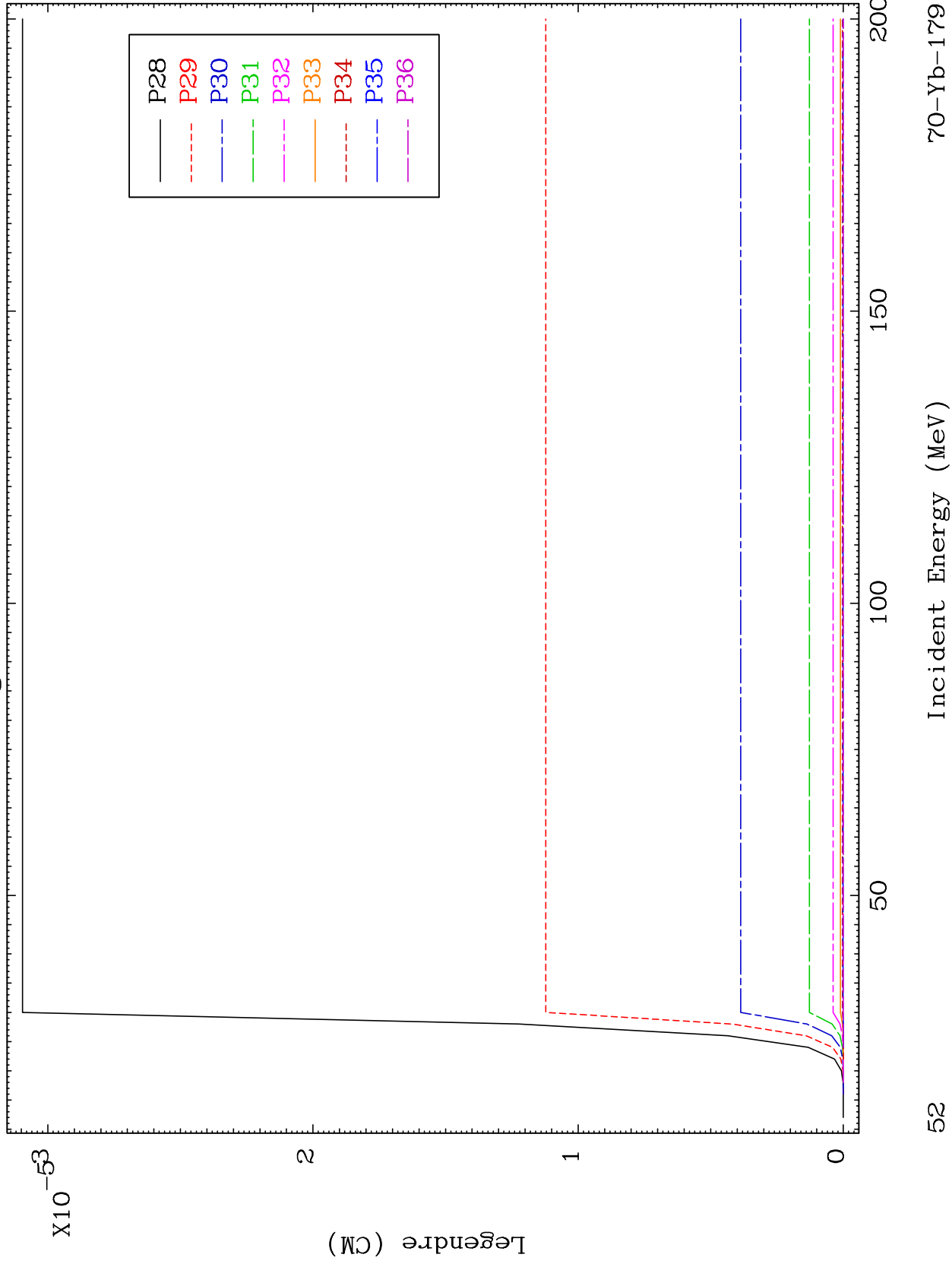
51

70-Yb-179

MAT 7058

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

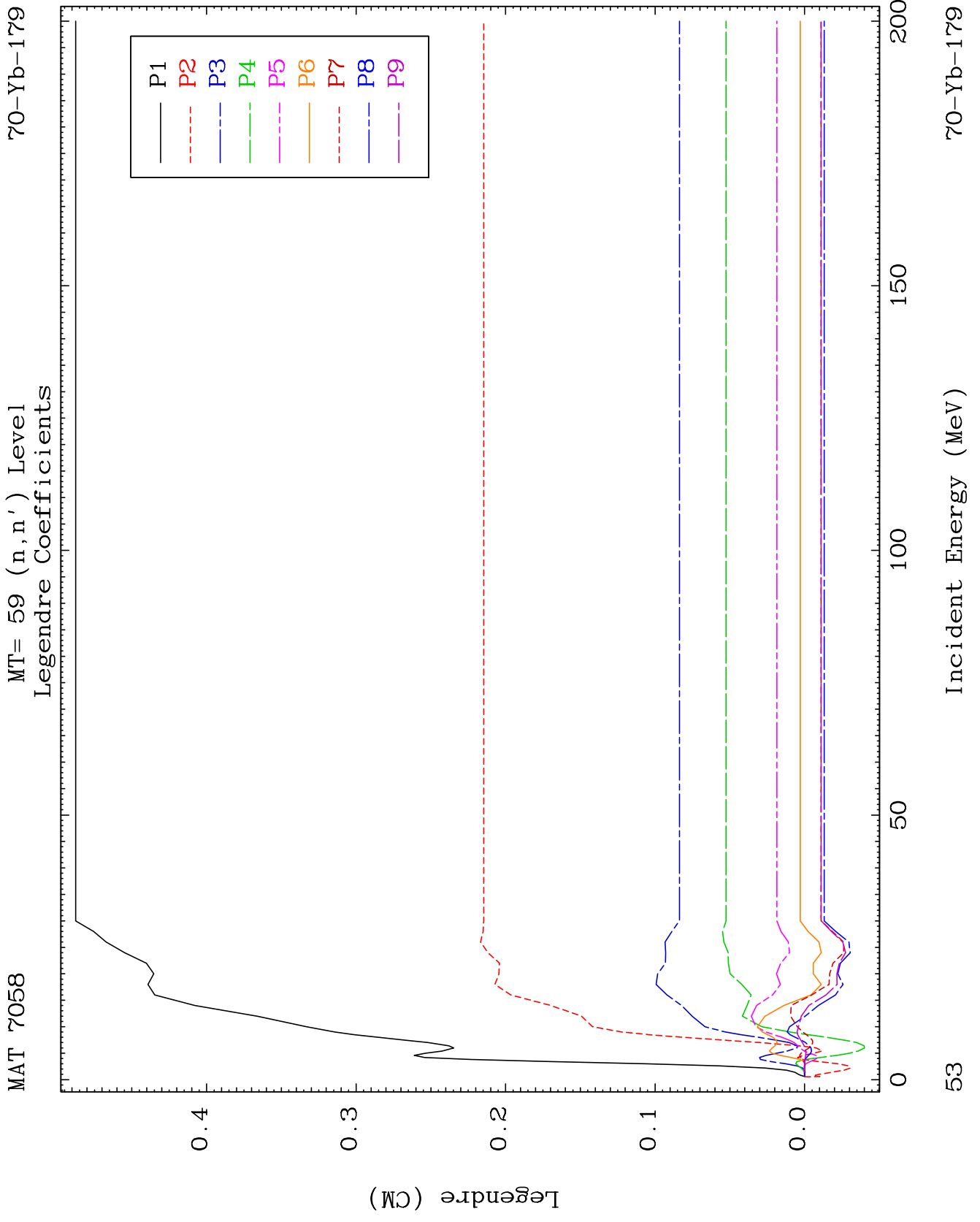
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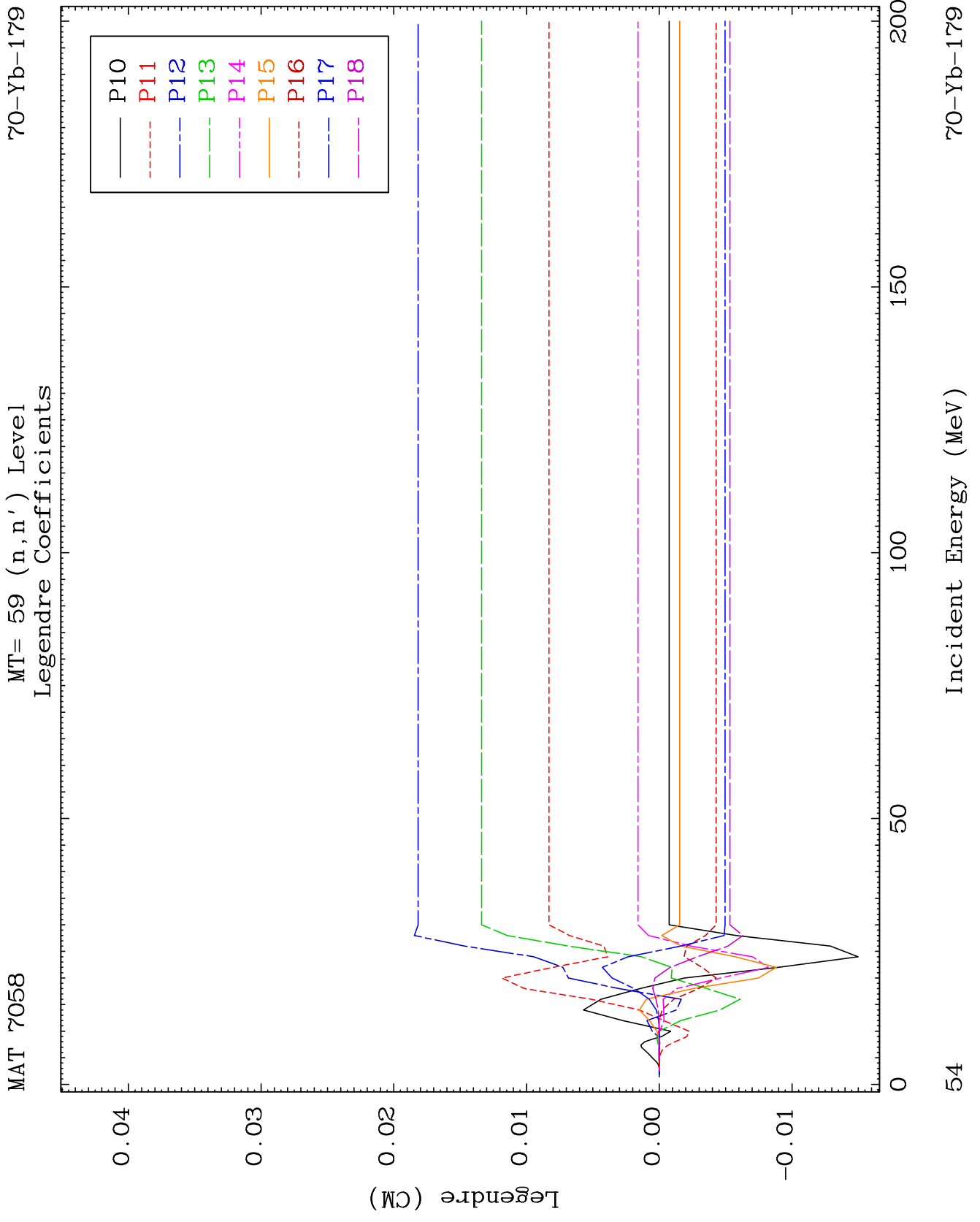


52

Incident Energy (MeV)

70-Yb-179

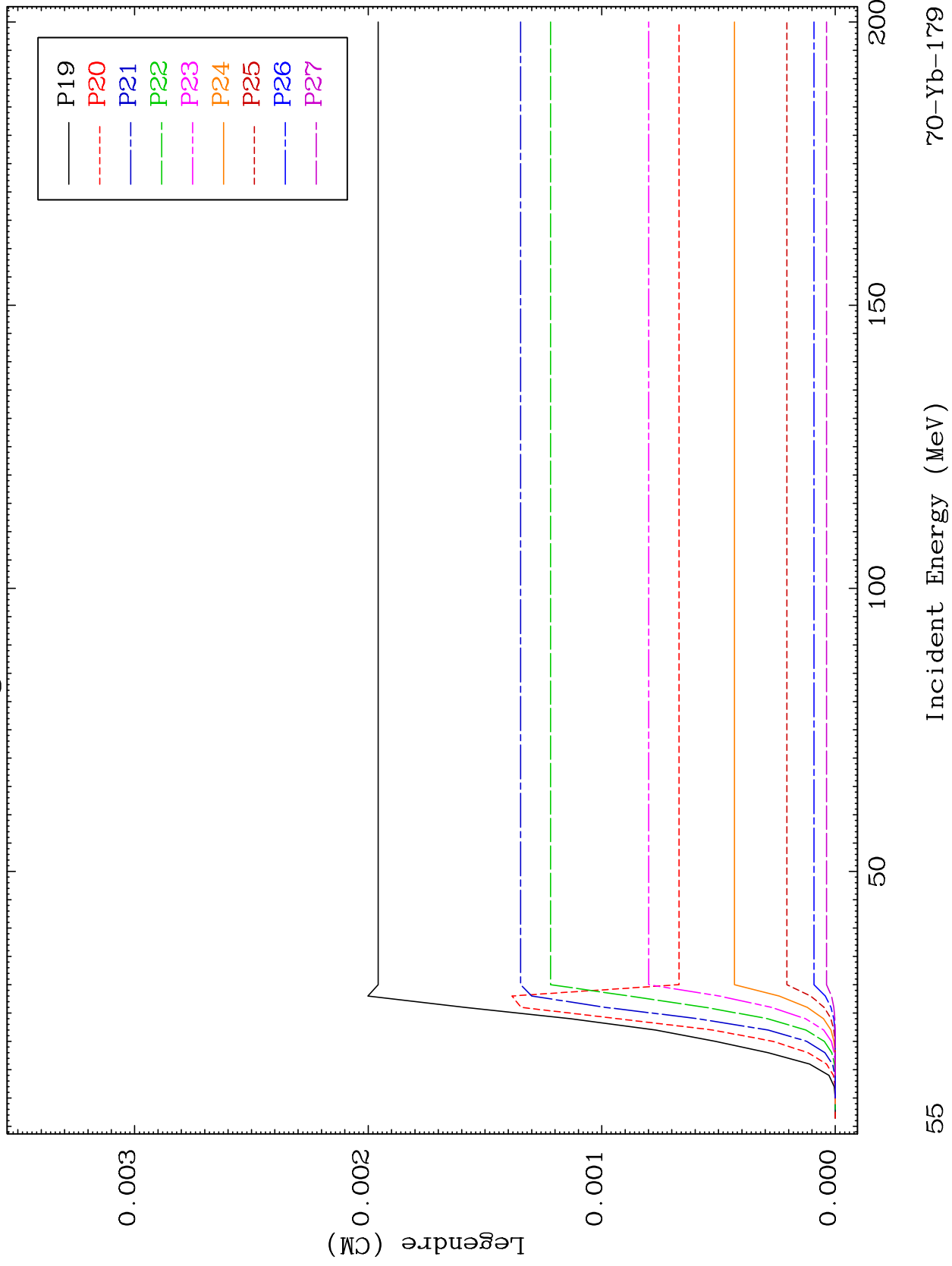




MAT 7058

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

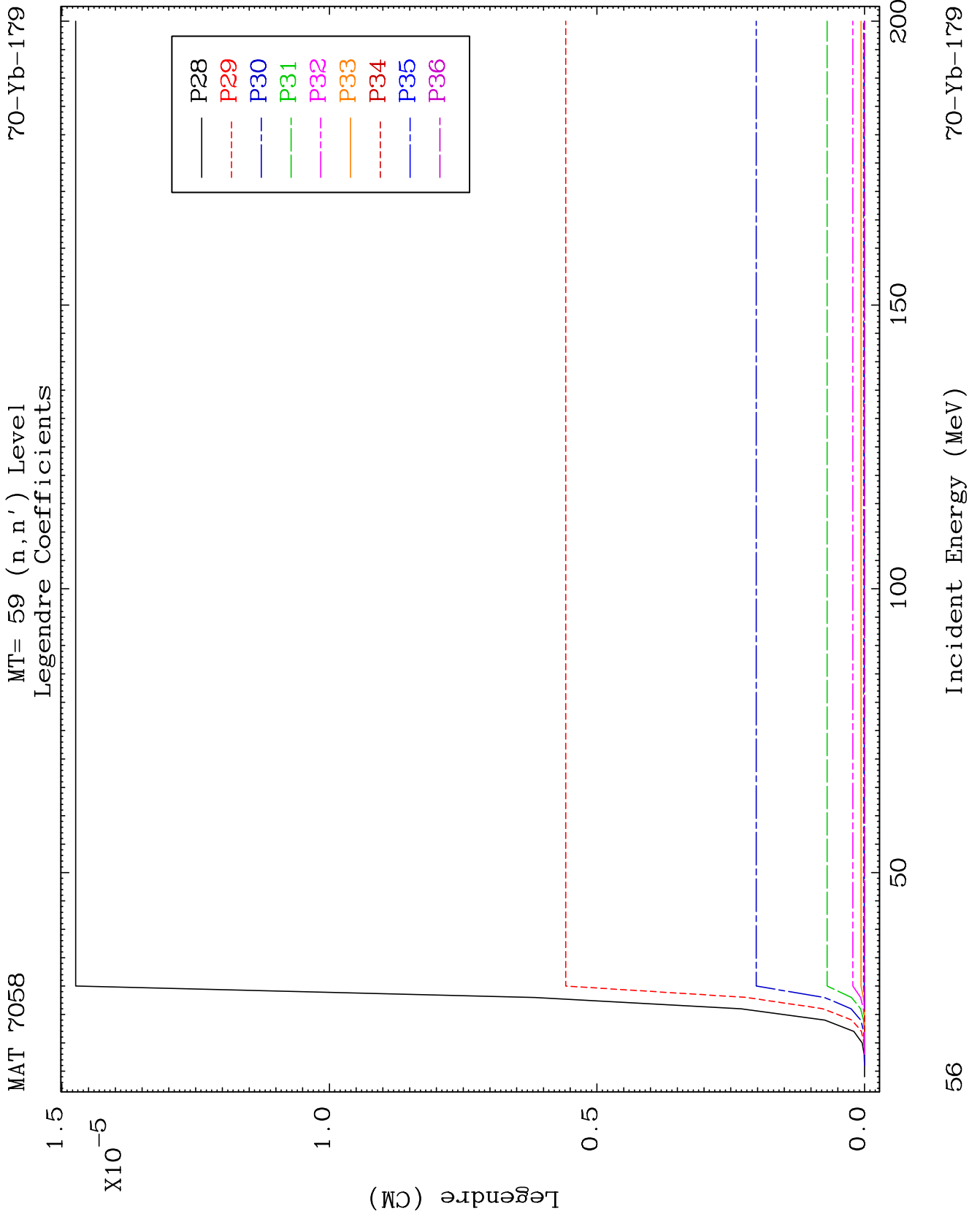
70-Yb-179



55

Incident Energy (MeV)

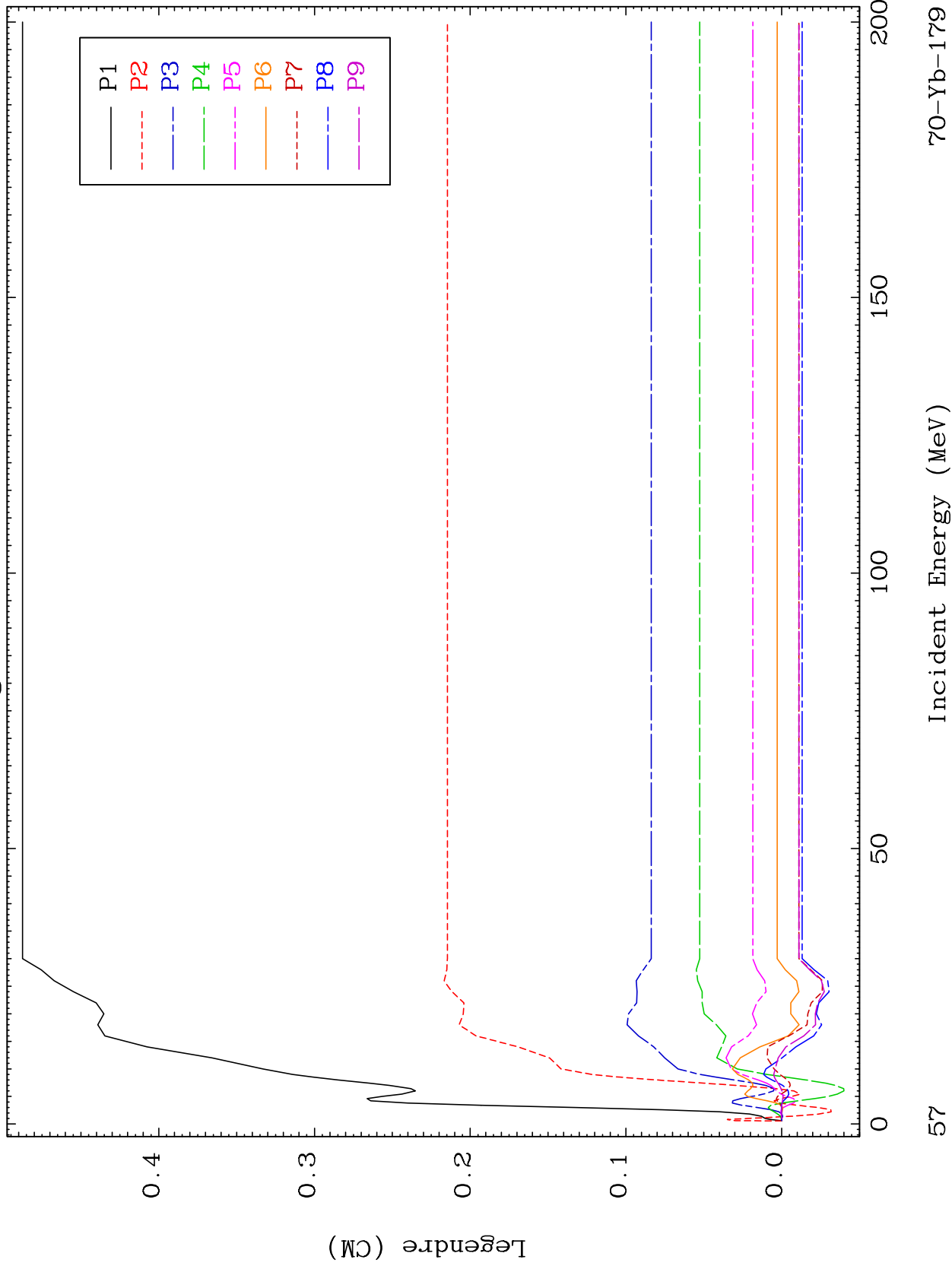
70-Yb-179



MAT 7058

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

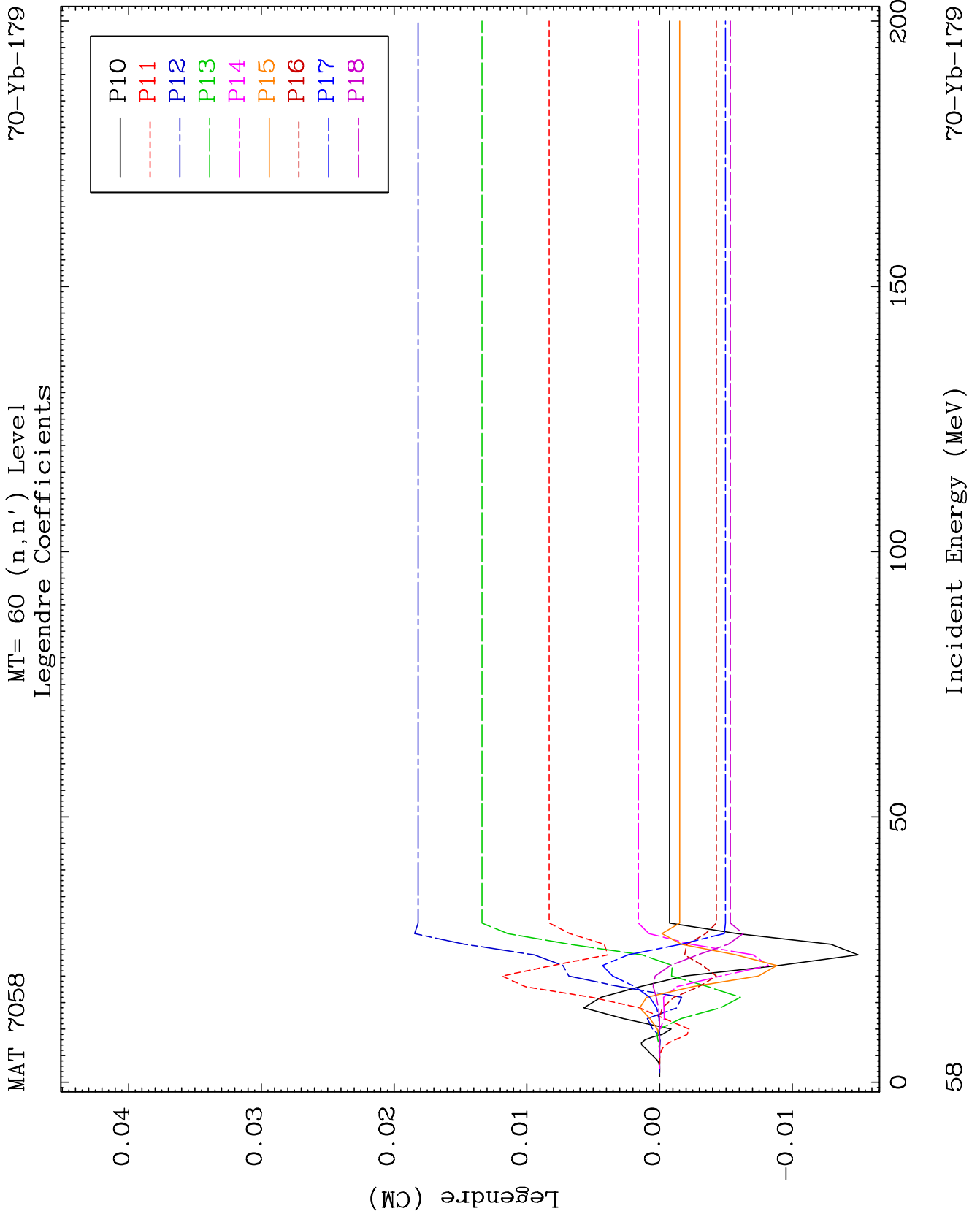
70-Yb-179



57

Incident Energy (MeV)

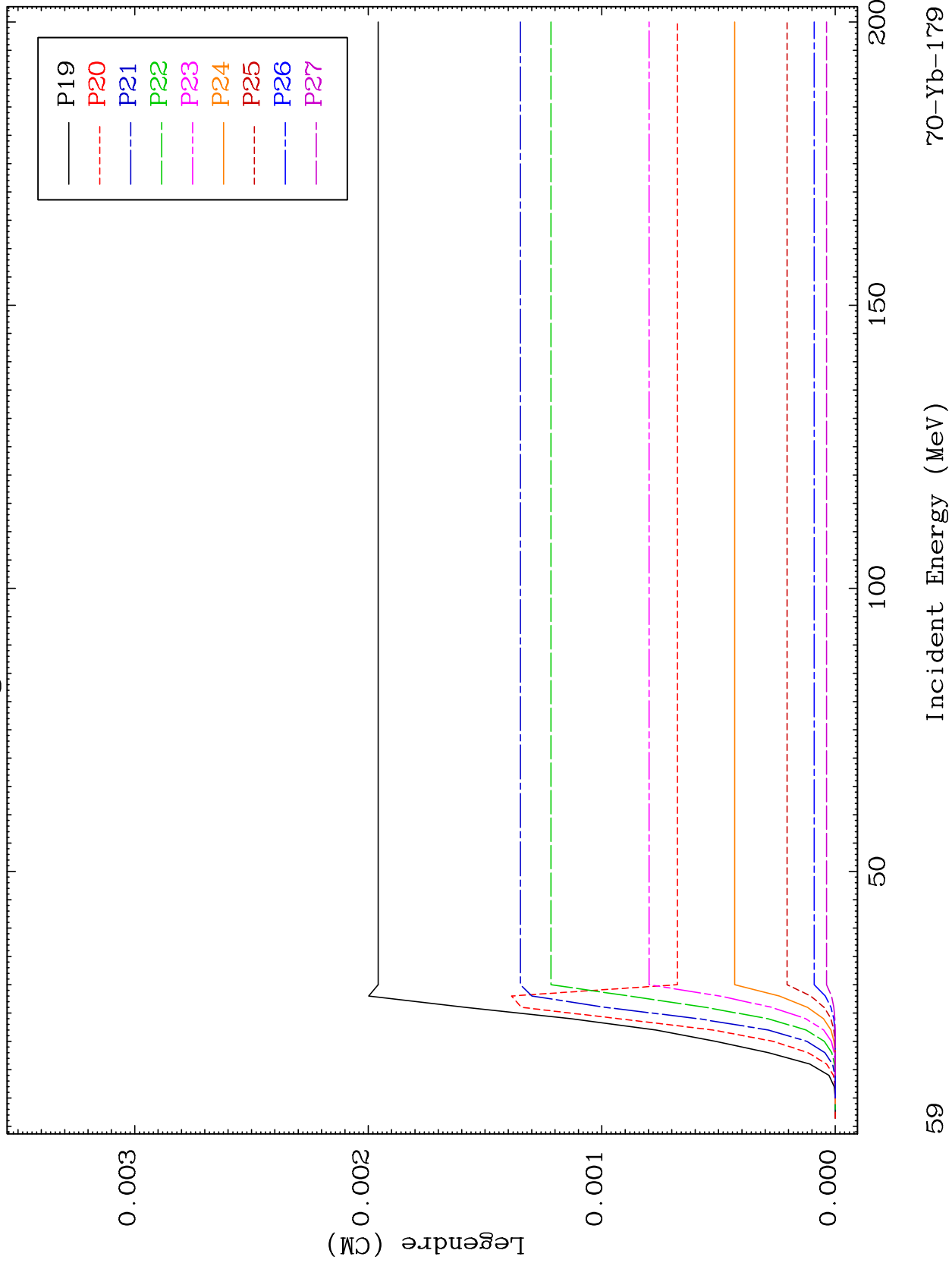
70-Yb-179



MAT 7058

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

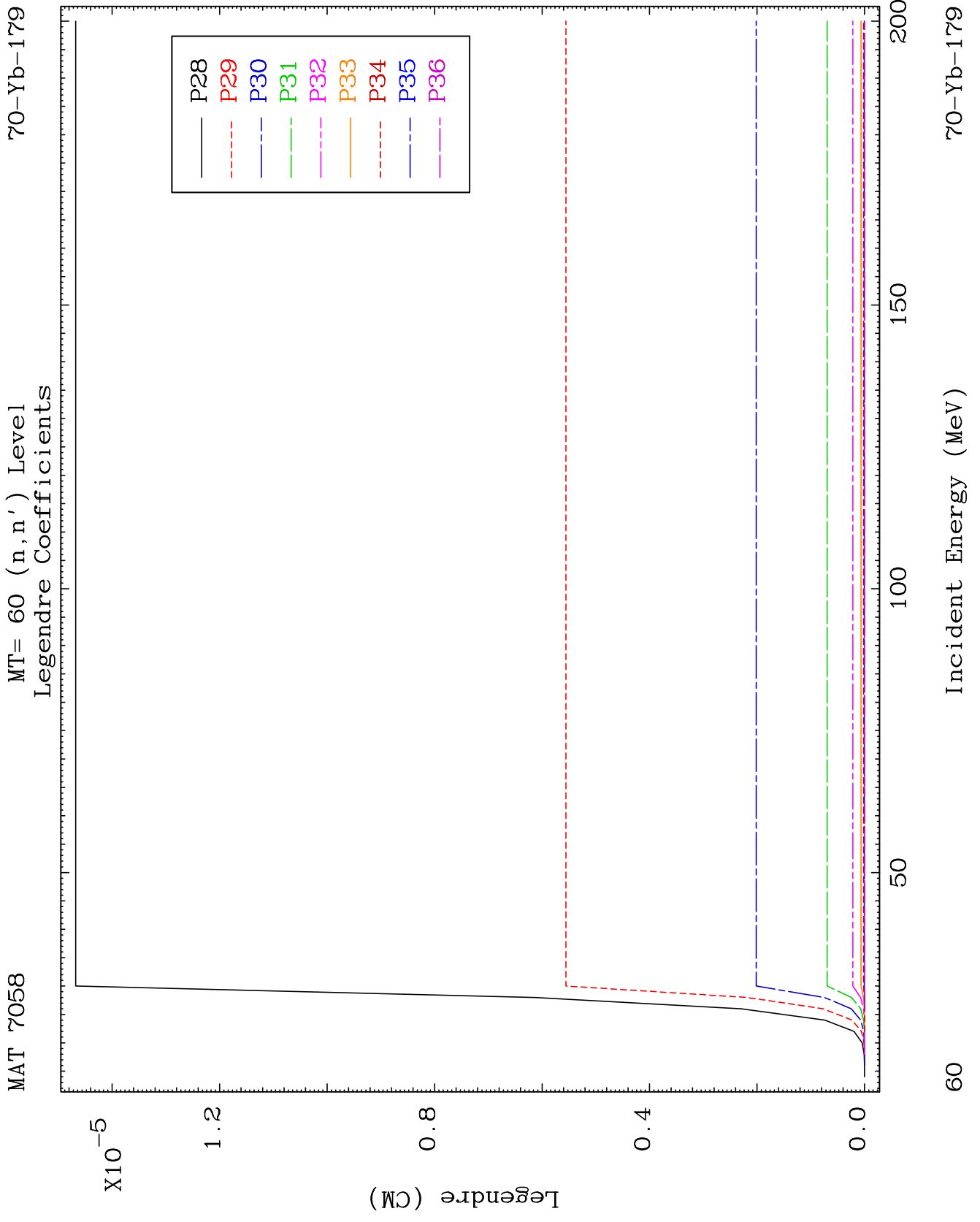
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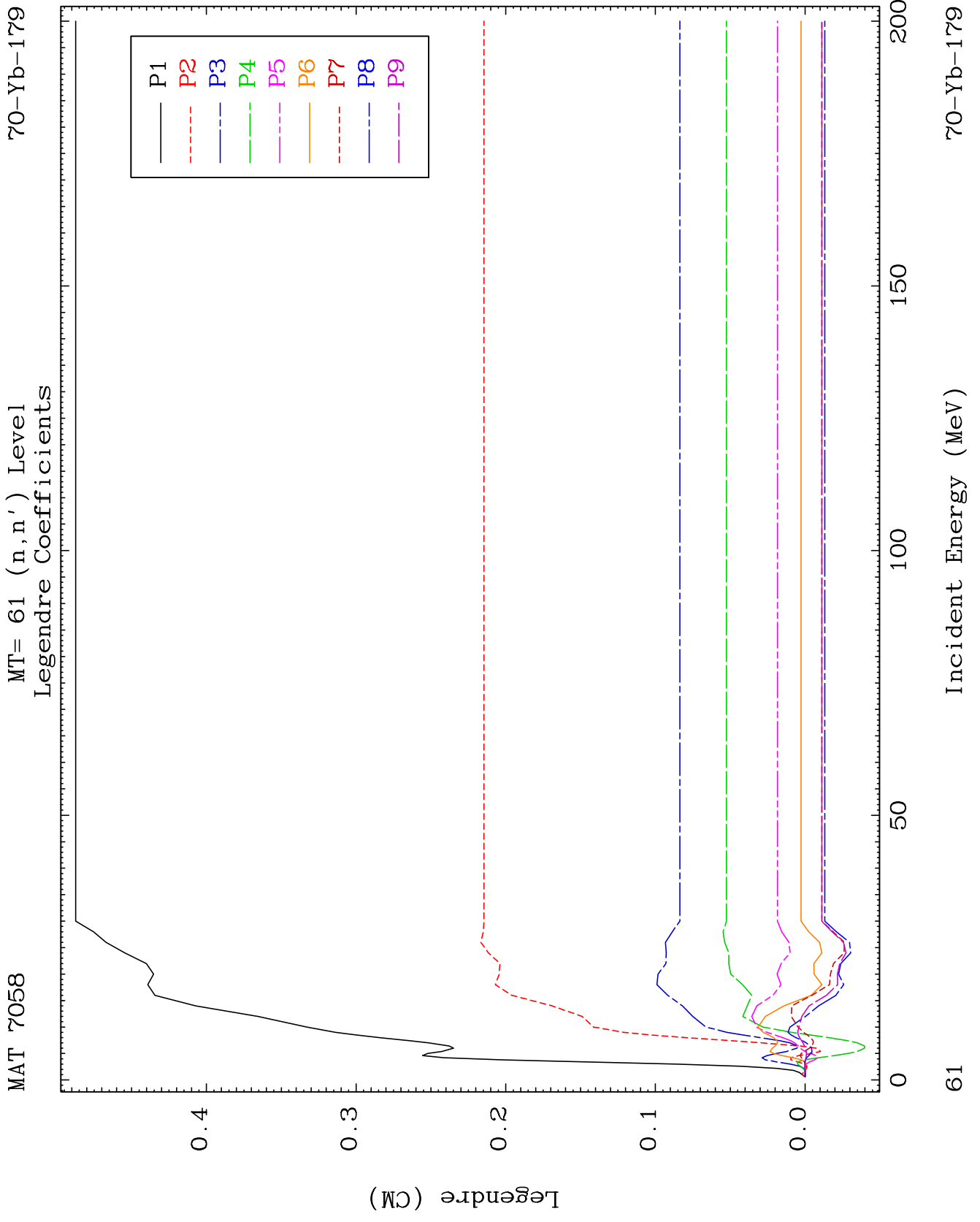


59

Incident Energy (MeV)

70-Yb-179

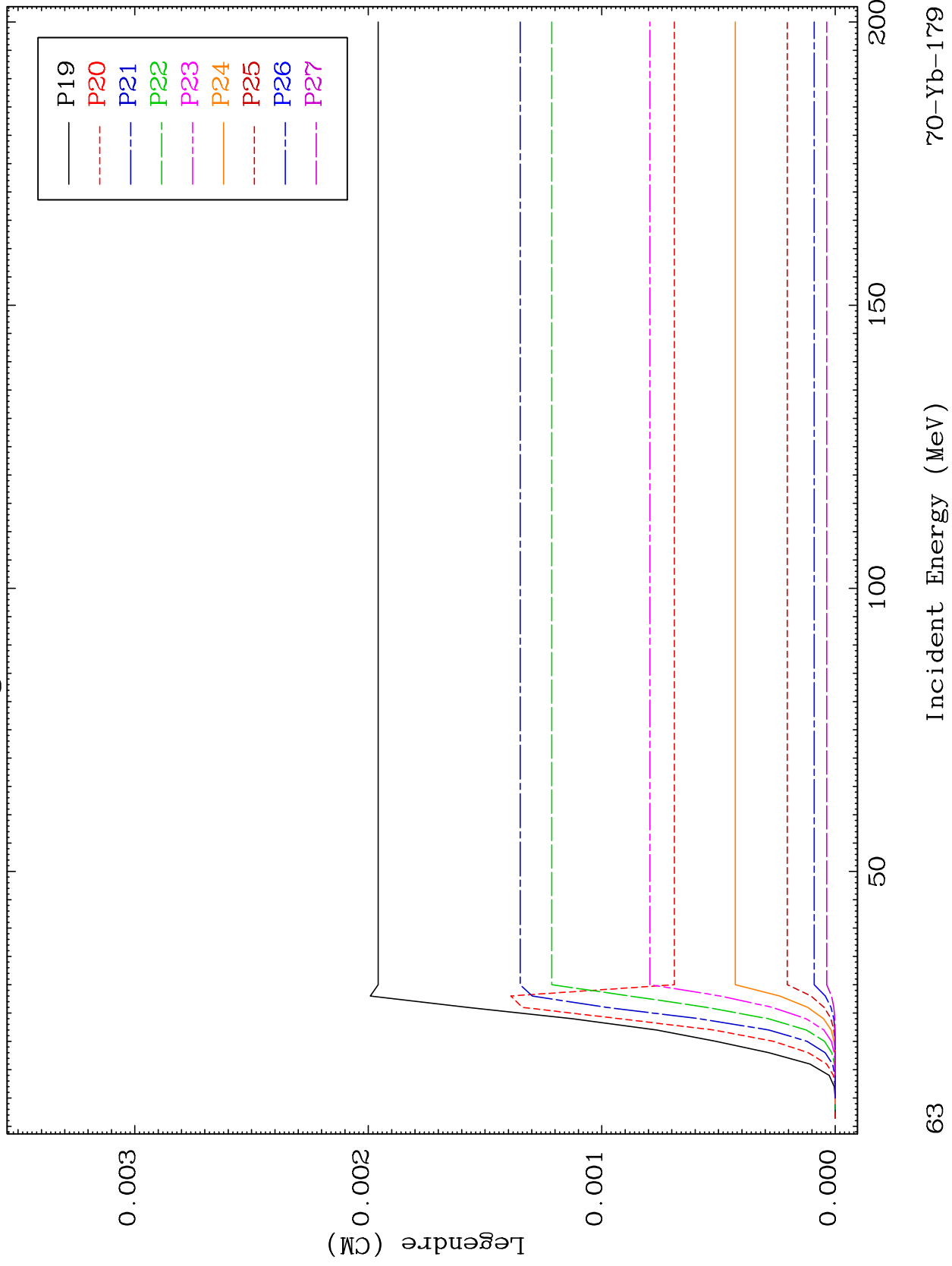




MAT 7058

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

70-Yb-179



63

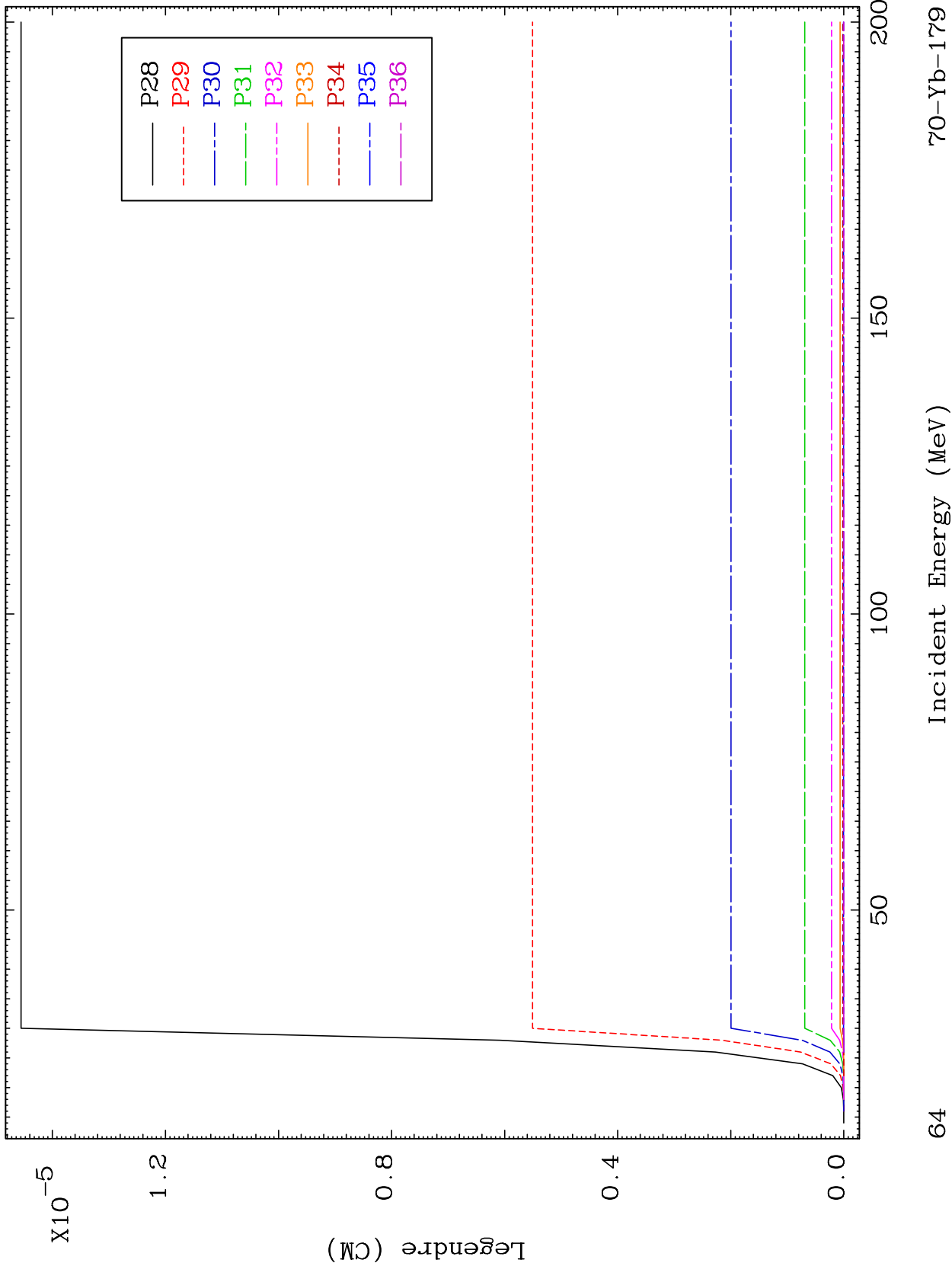
Incident Energy (MeV)

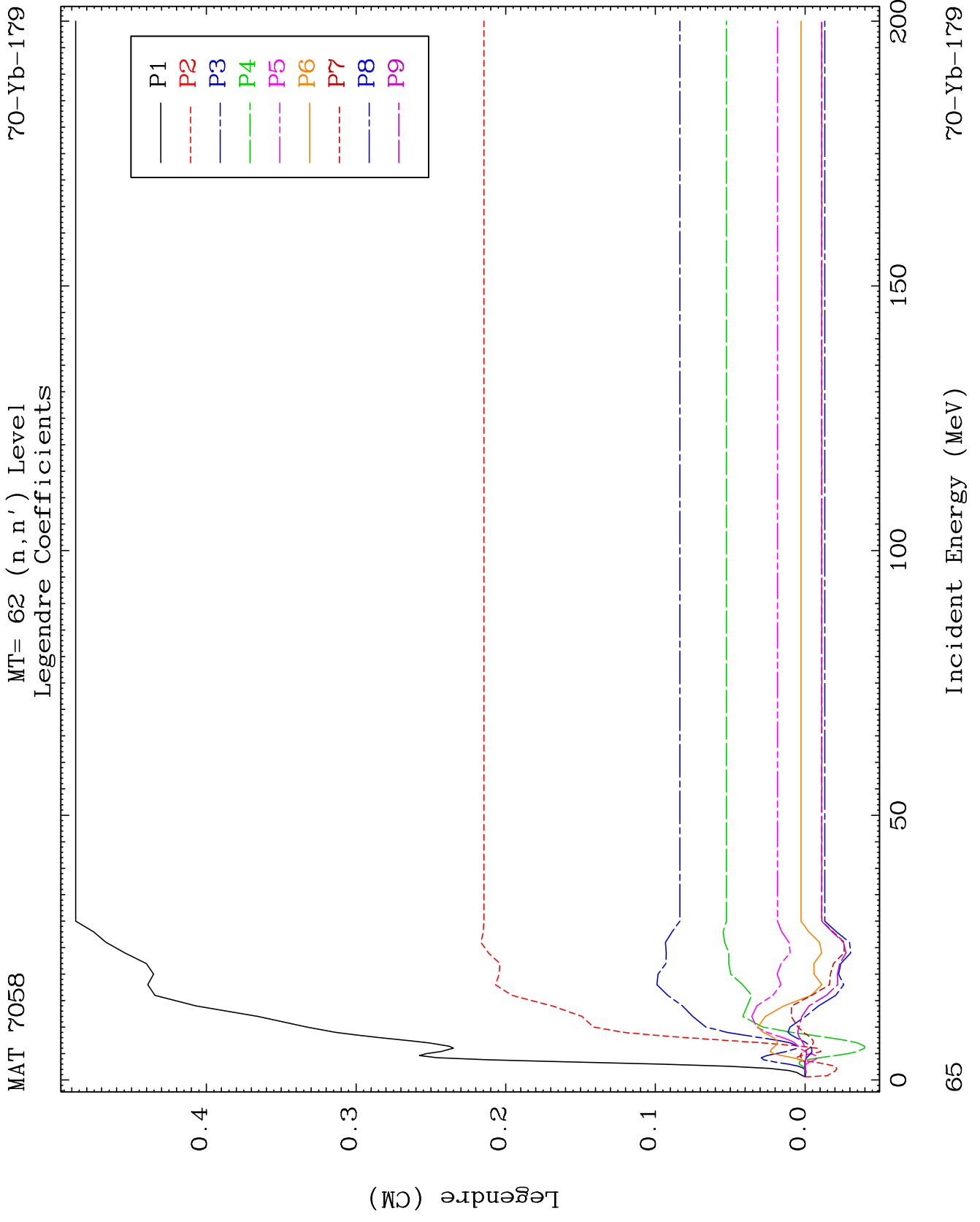
70-Yb-179

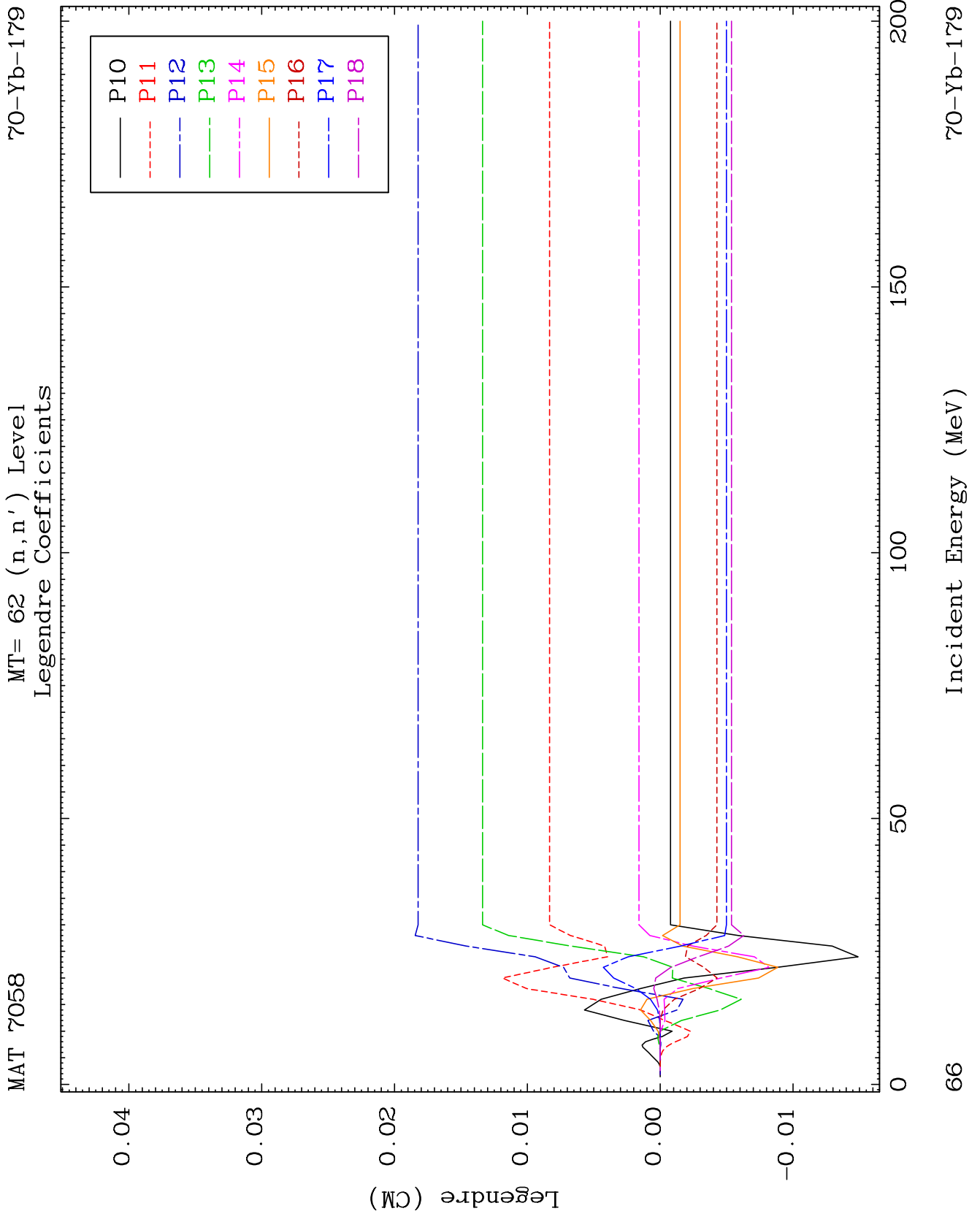
MAT 7058

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

70-Yb-179



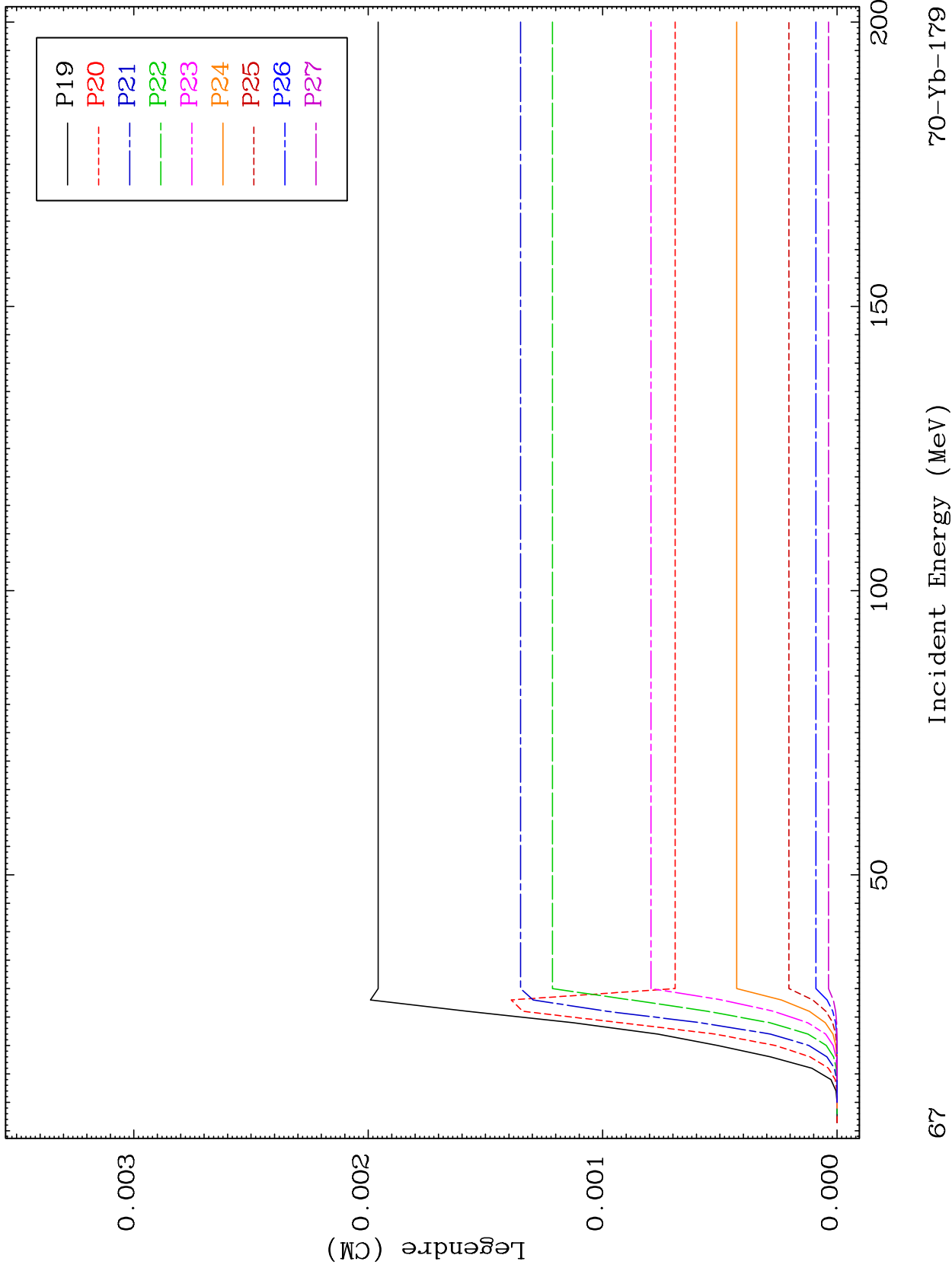




MAT 7058

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

70-Yb-179



67

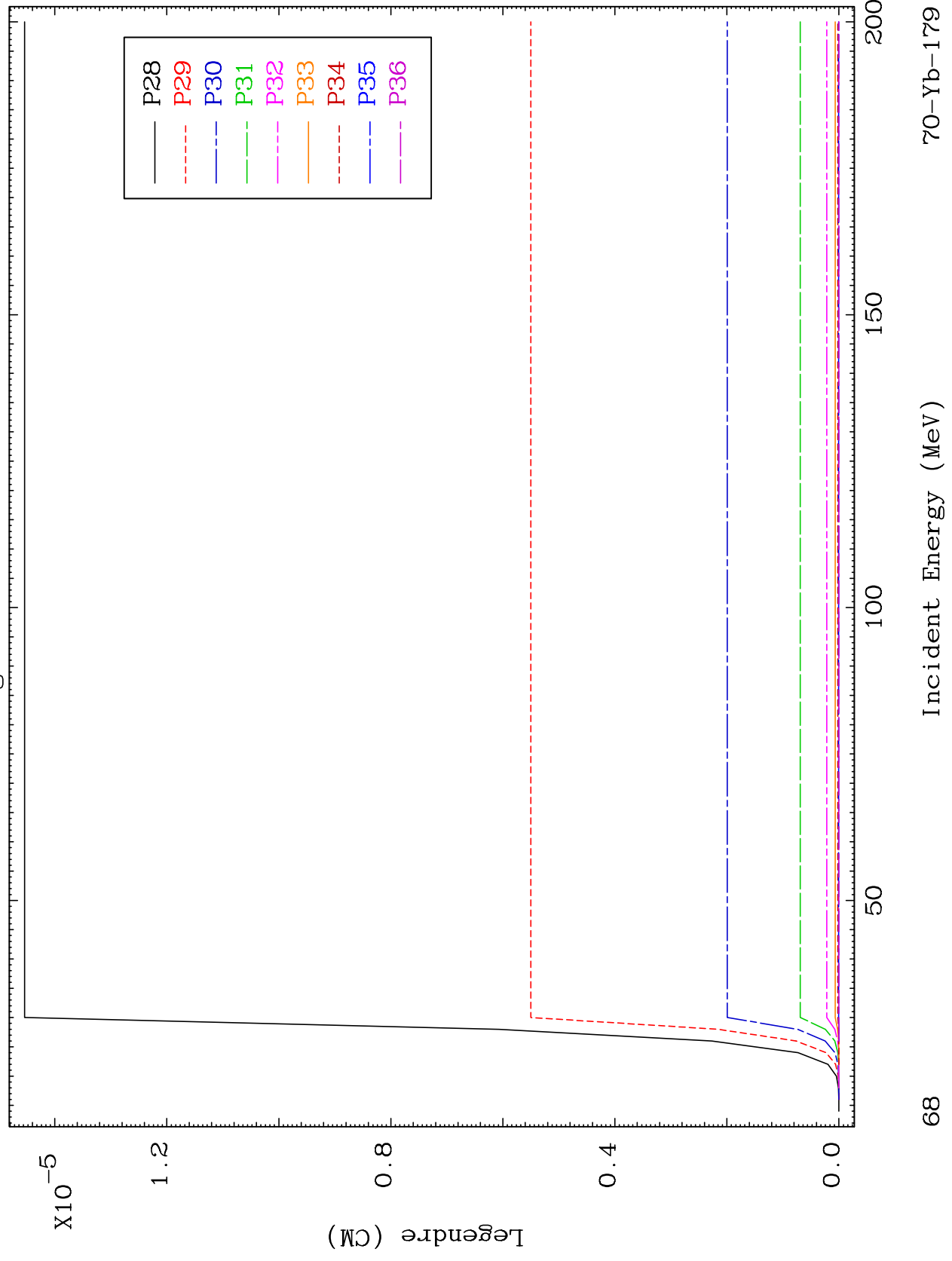
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



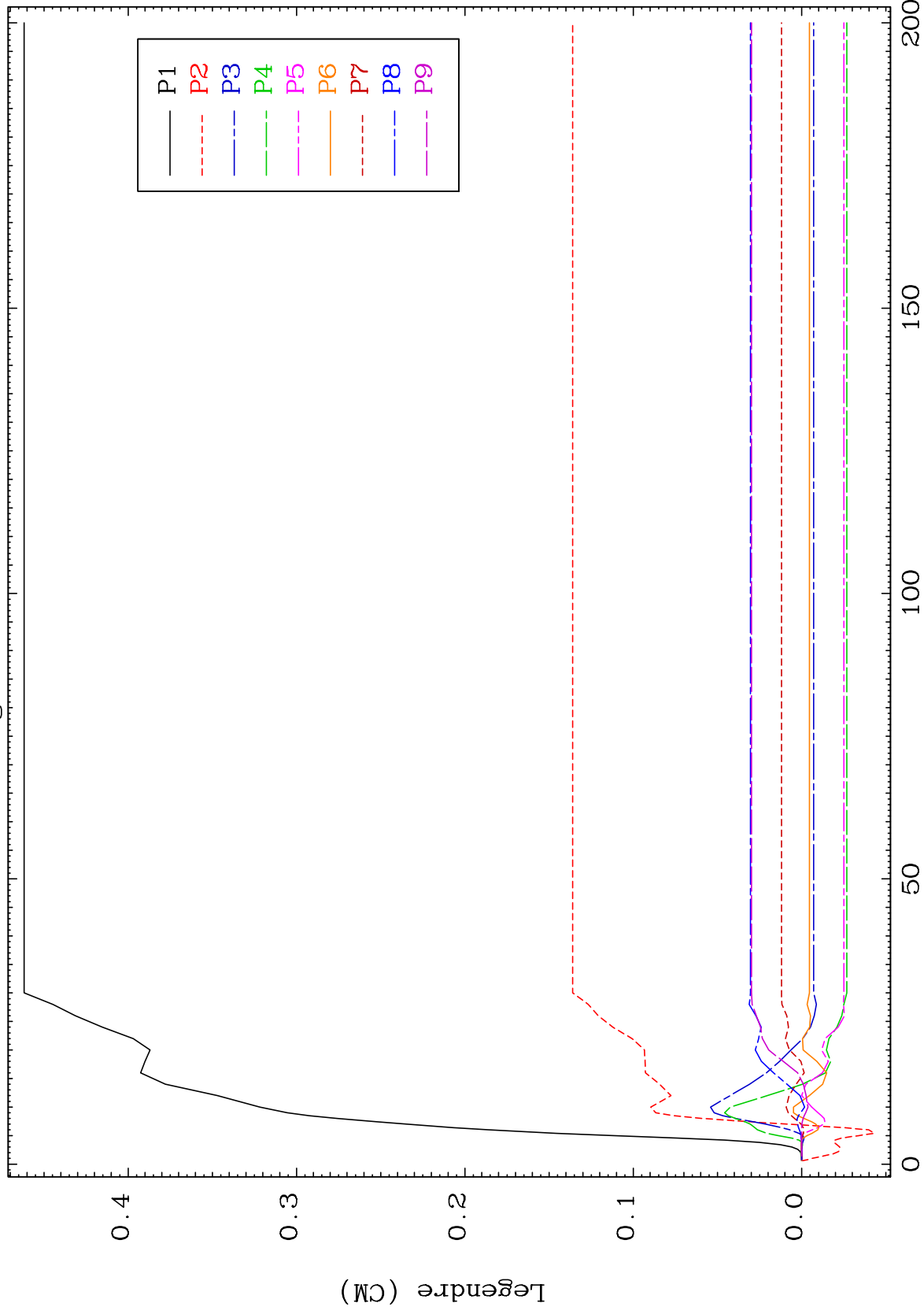
68

70-Yb-179

MAT 7058

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

70-Yb-179



69

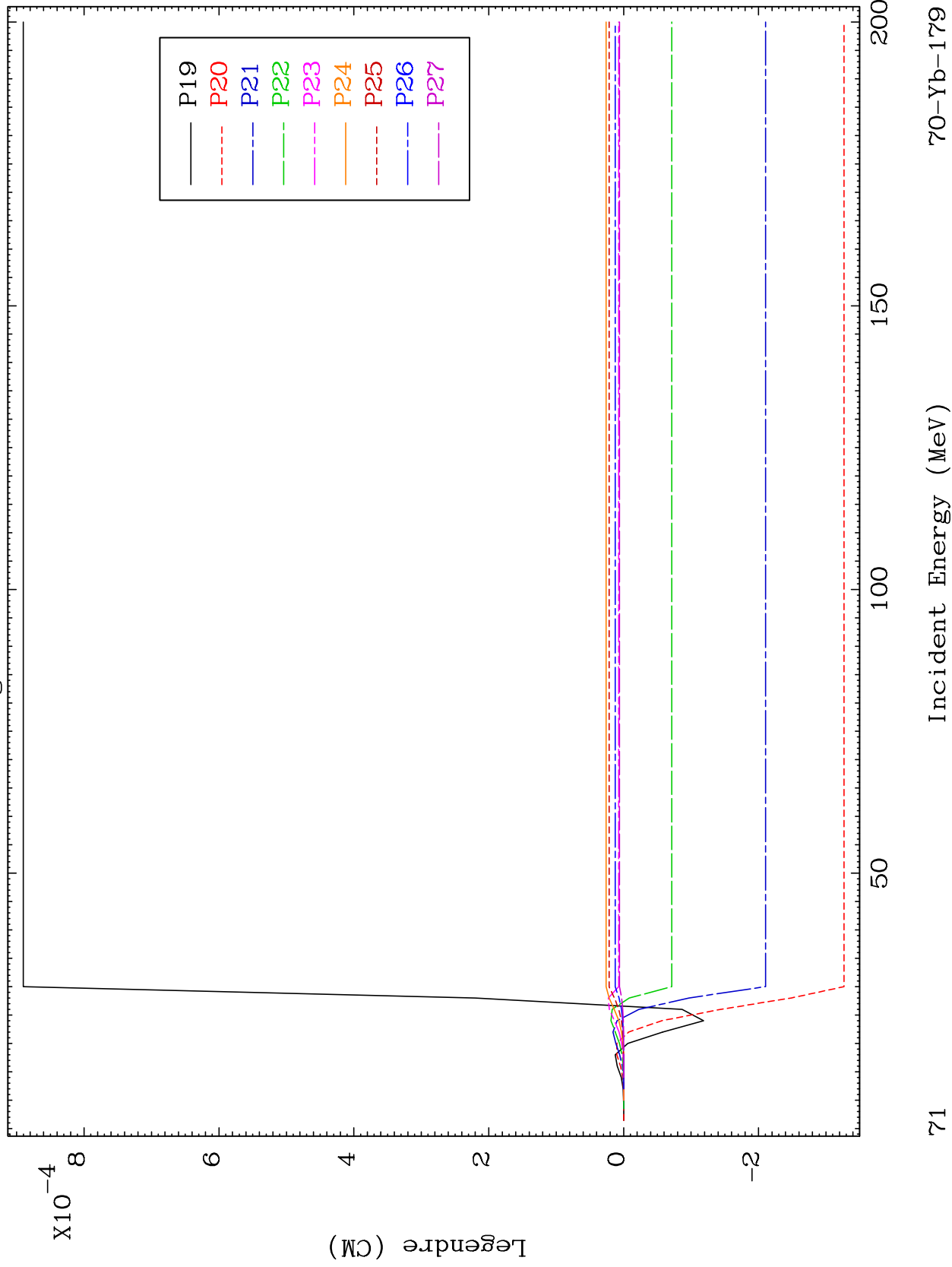
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



71

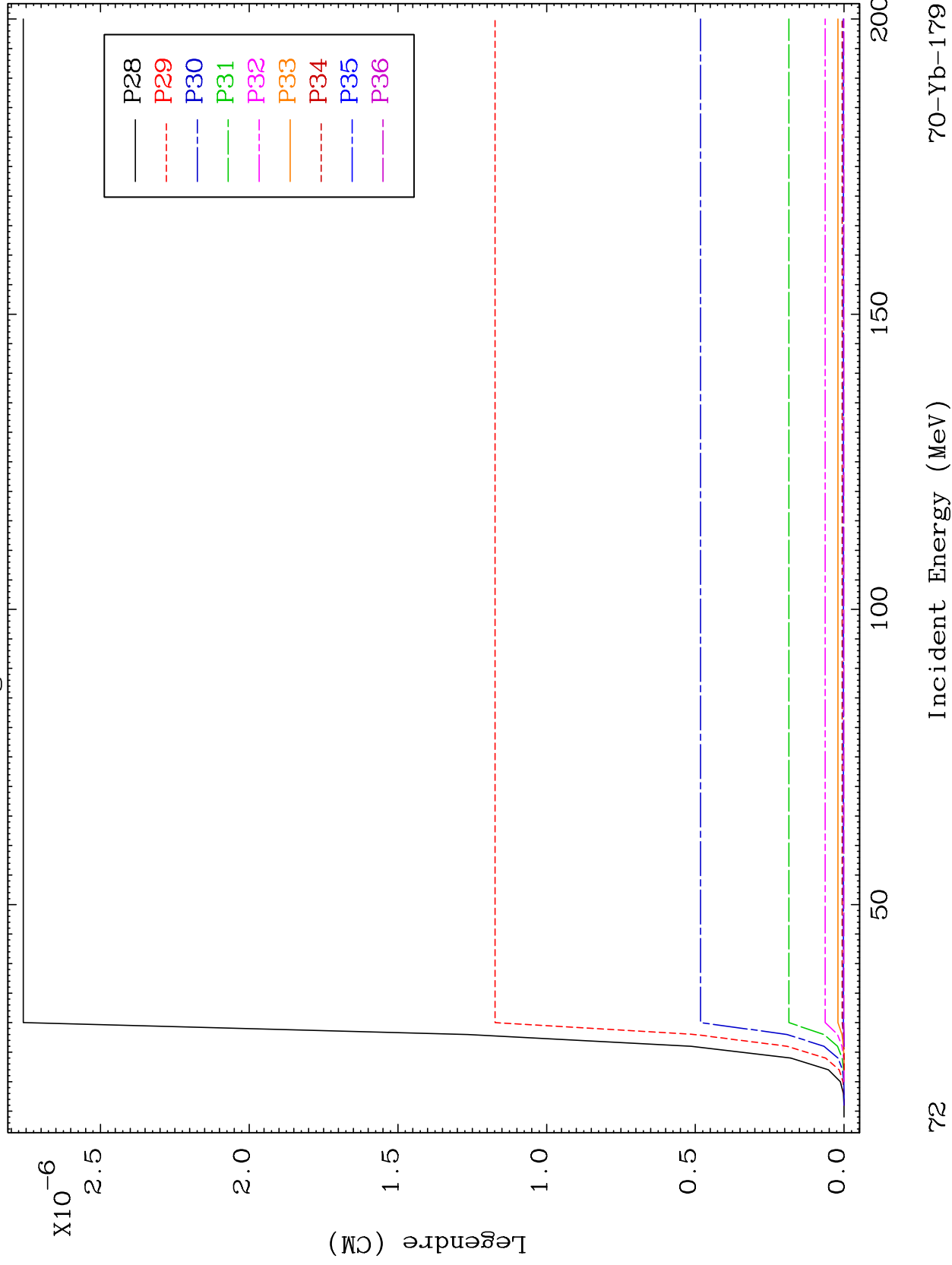
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



72

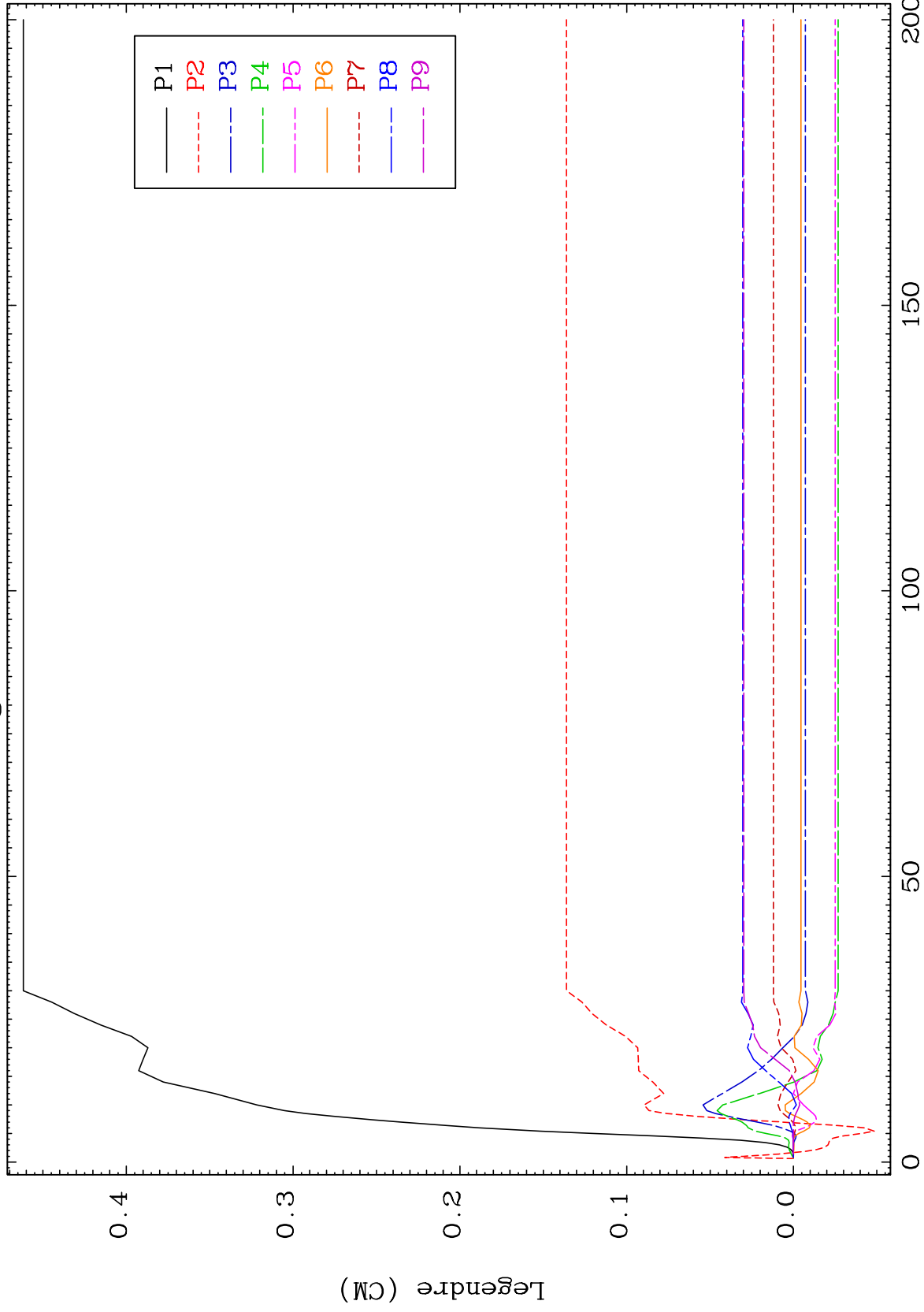
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



73

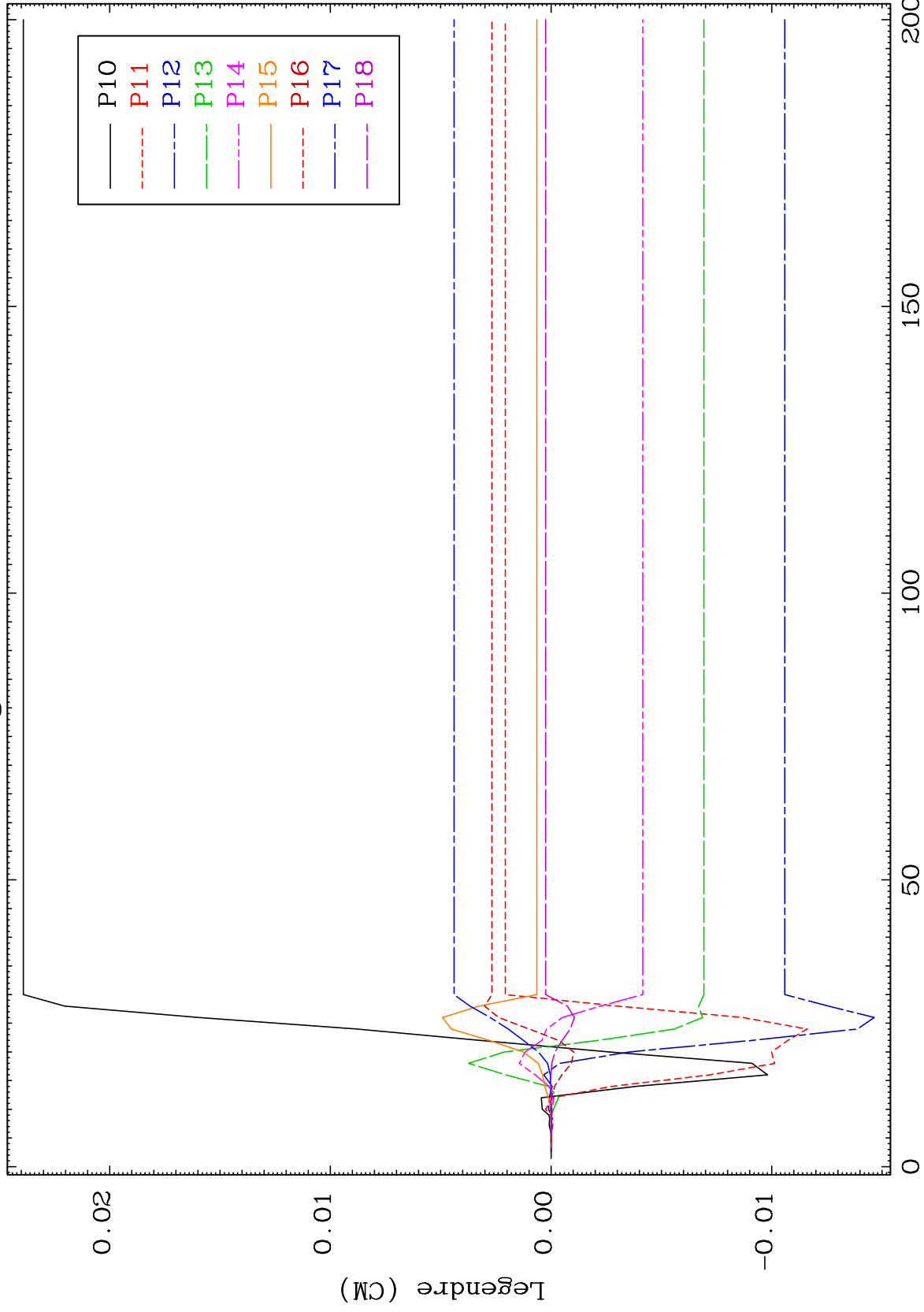
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

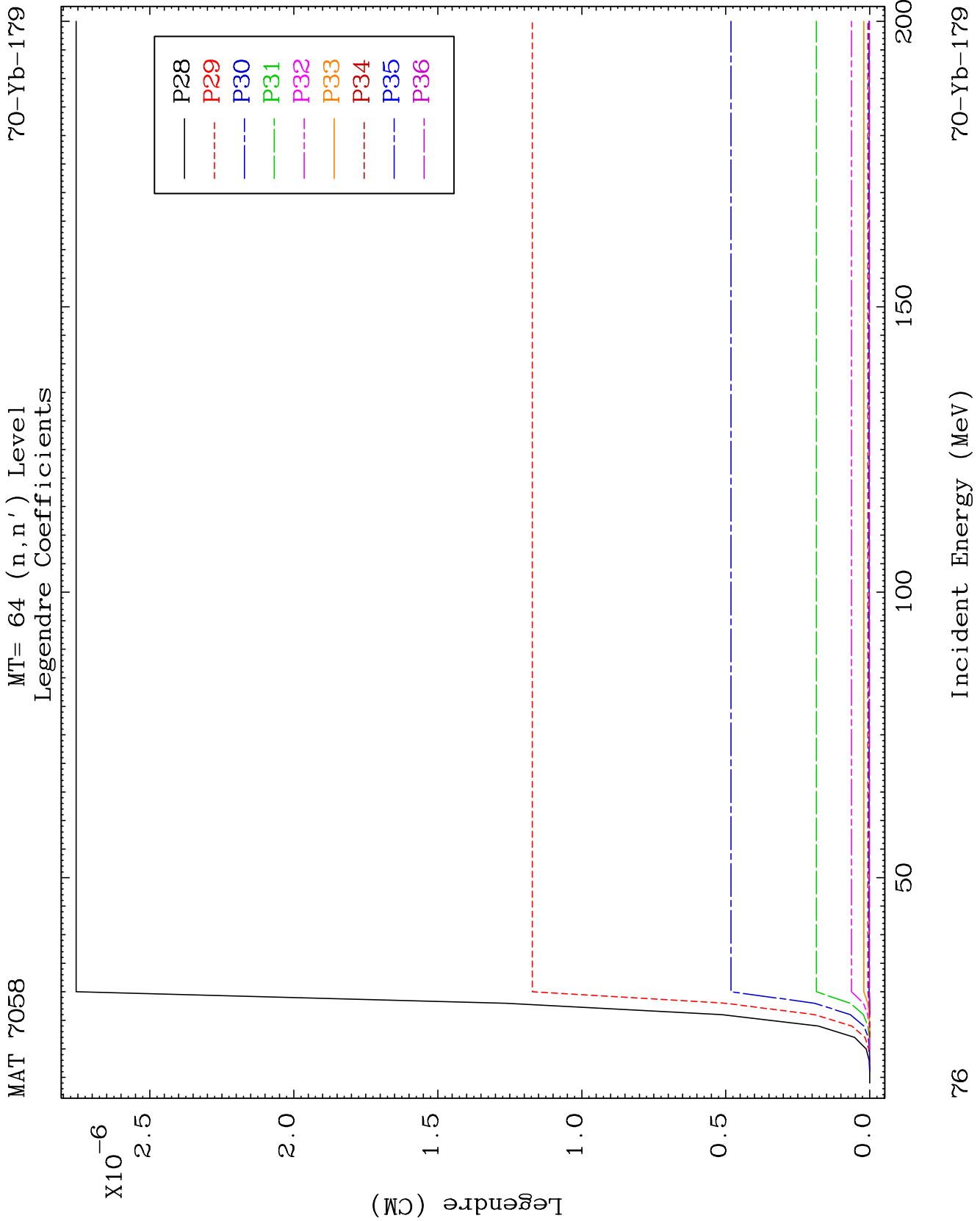
70-Yb-179



74

Incident Energy (MeV)

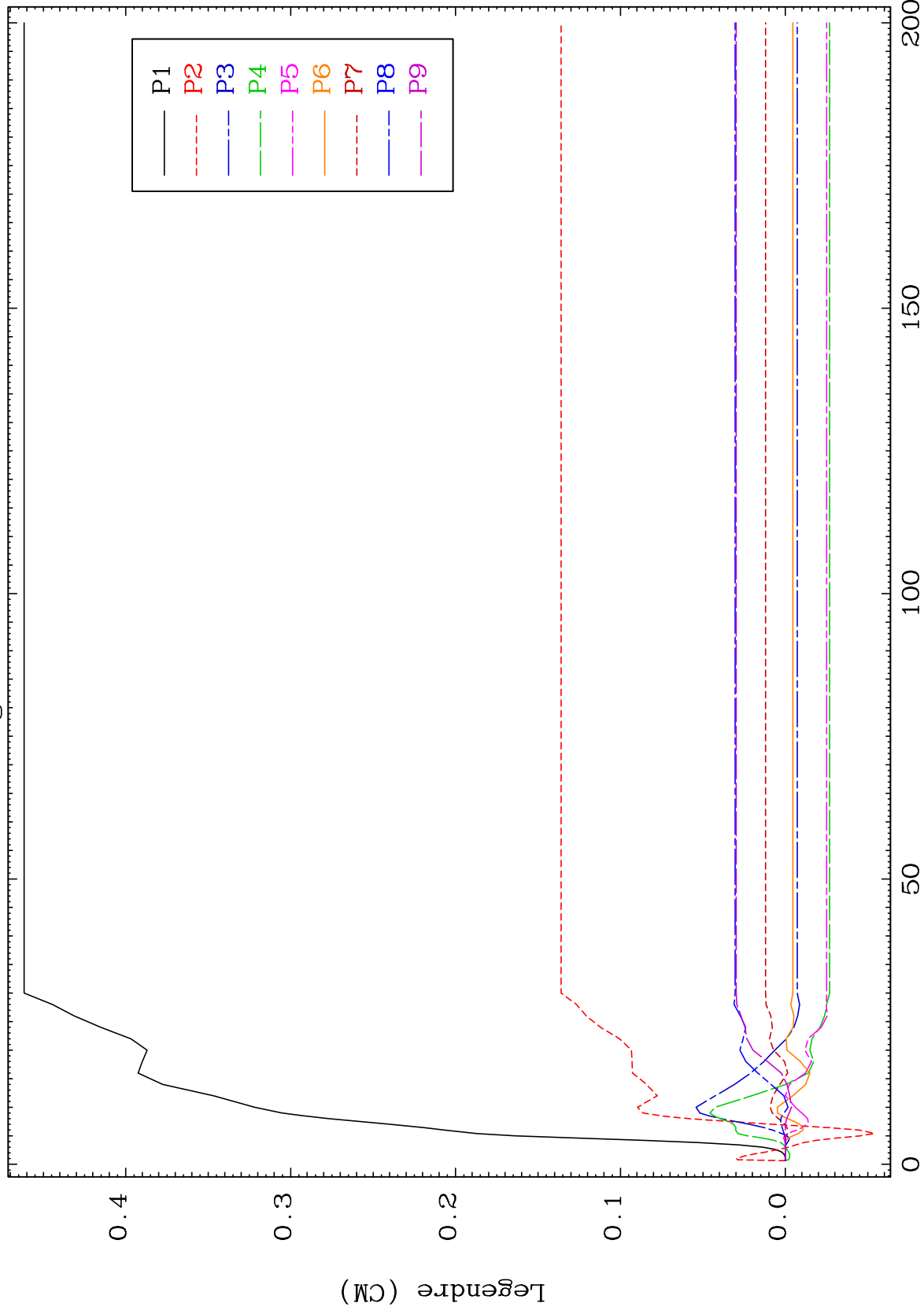
70-Yb-179



MAT 7058

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

70-Yb-179



77

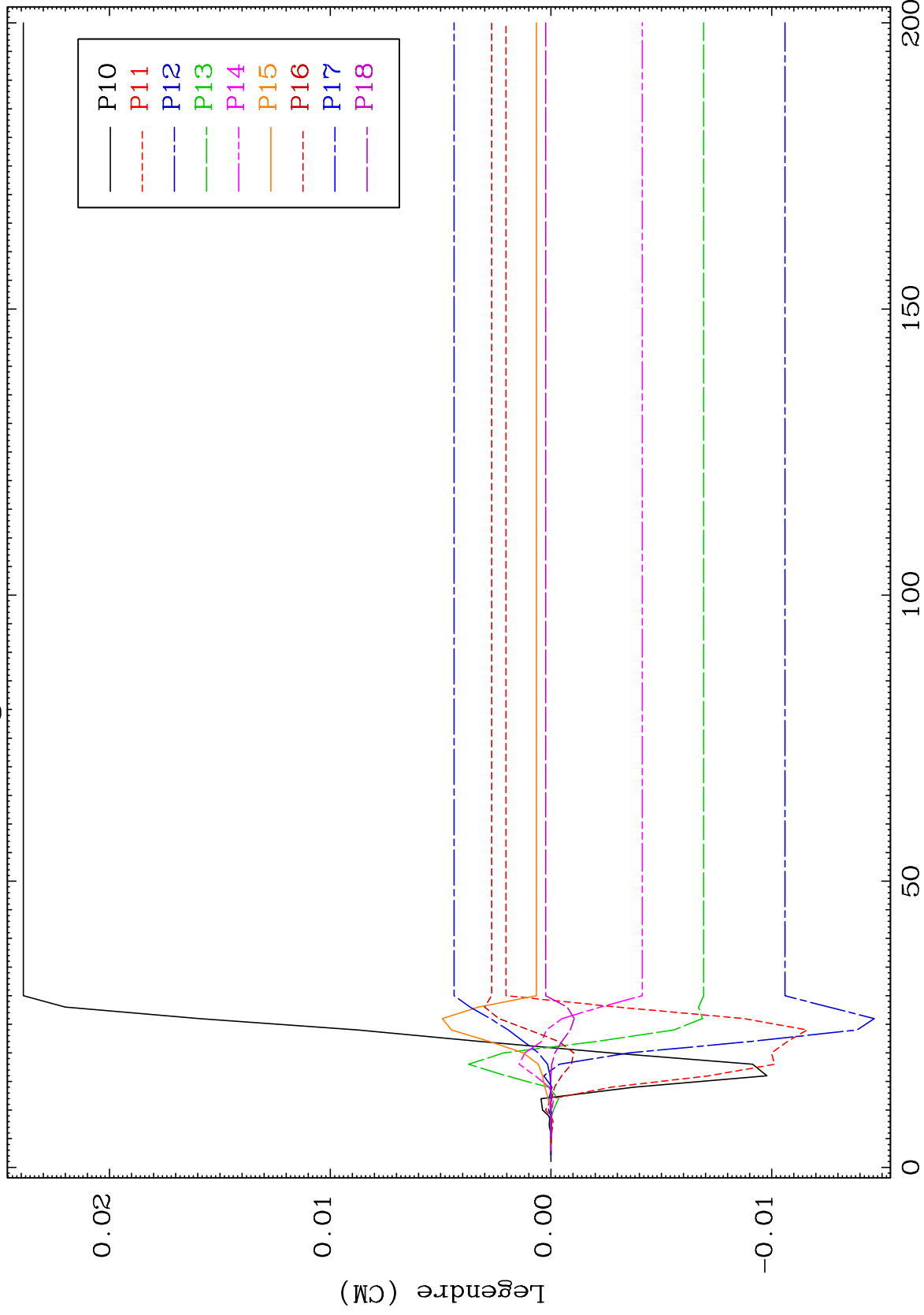
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



78

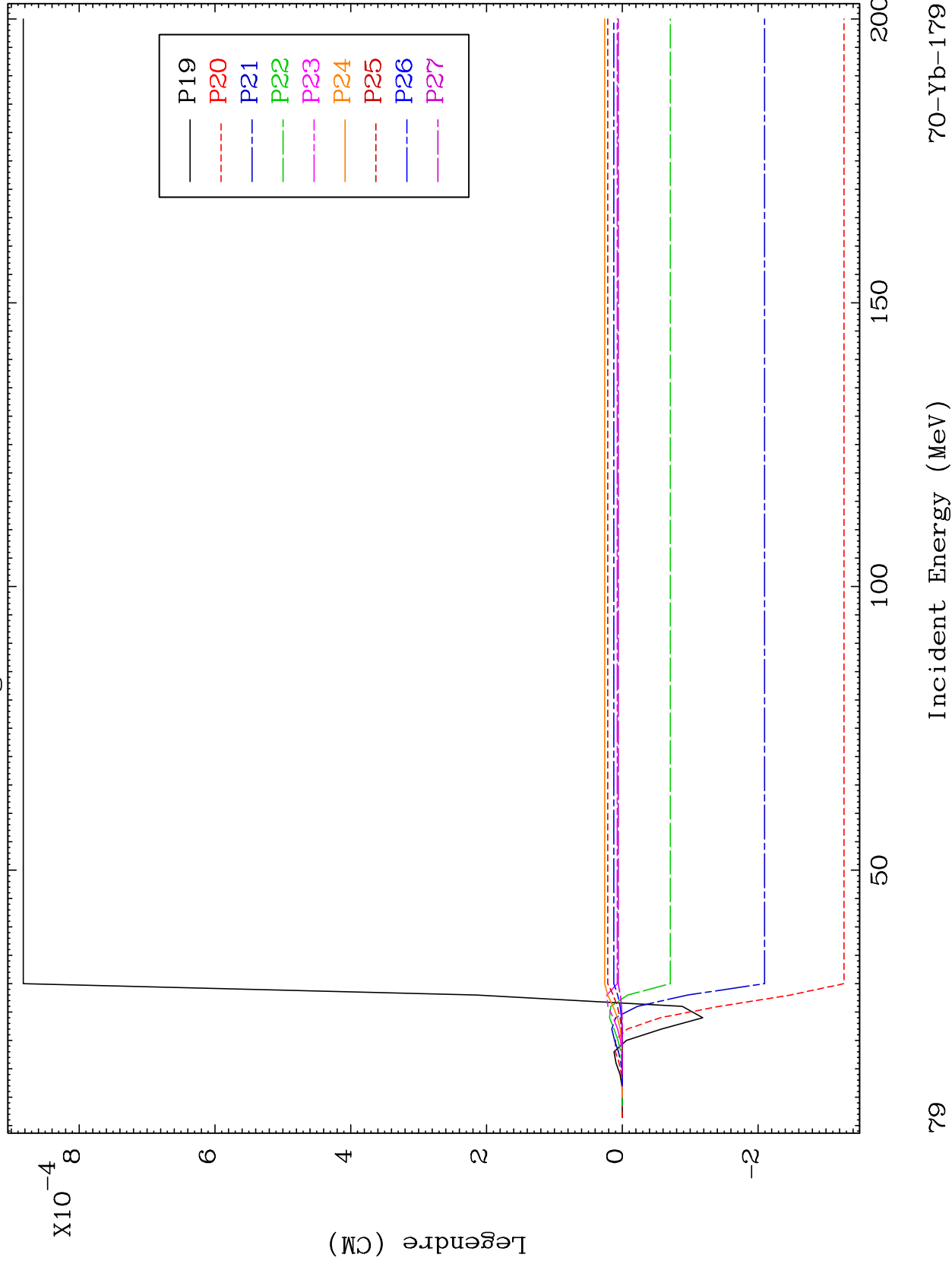
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



79

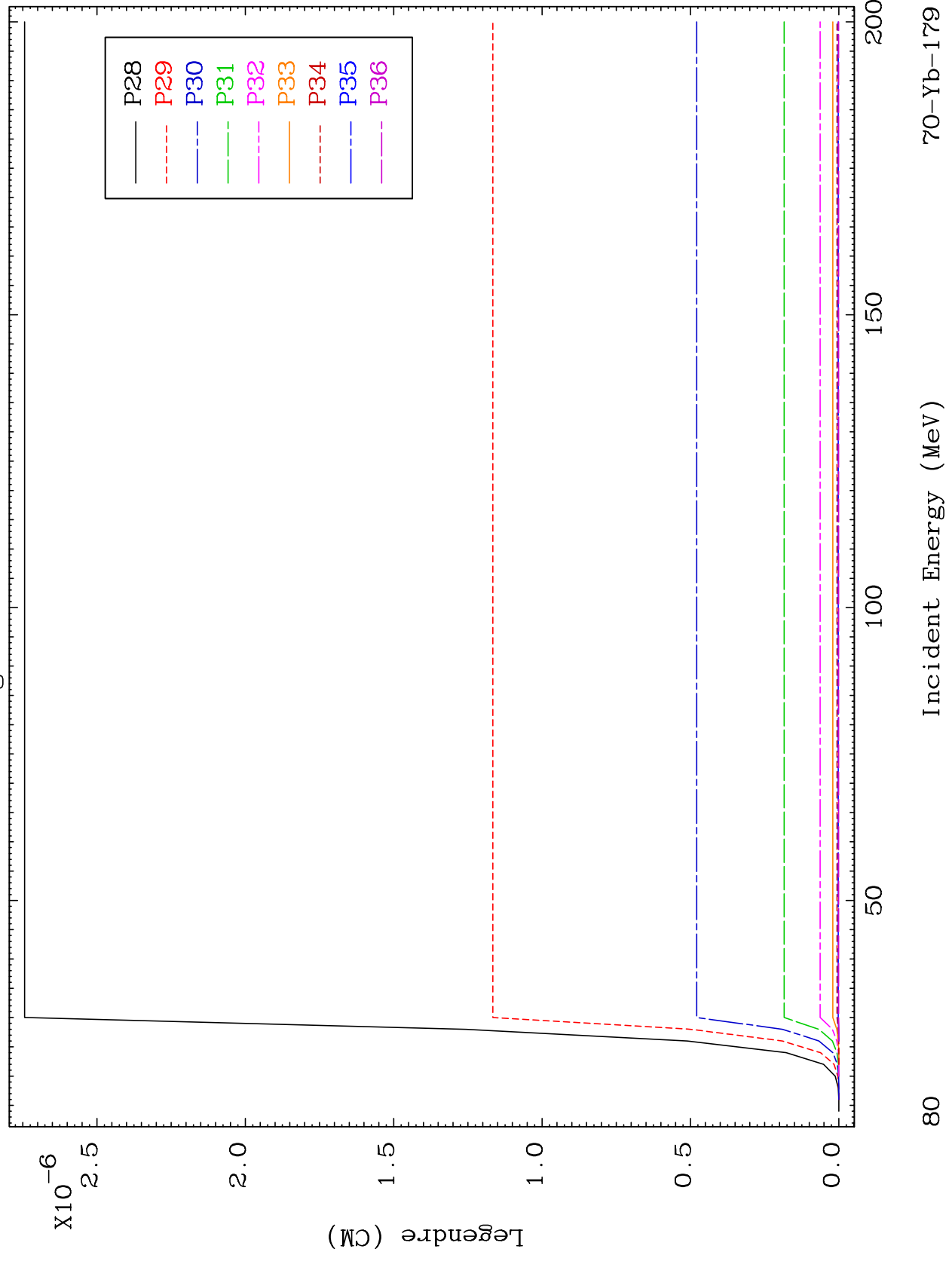
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

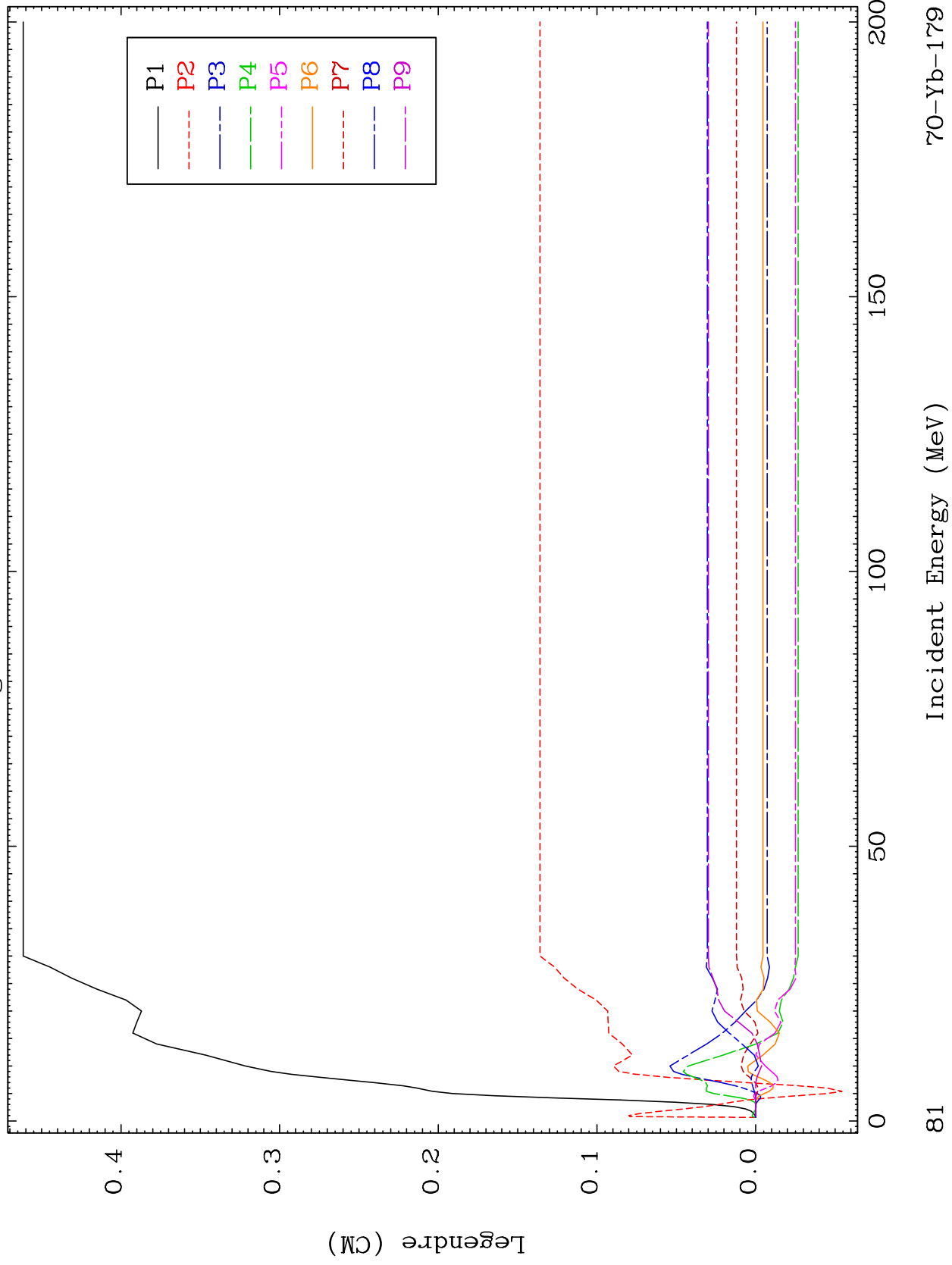
70-Yb-179



MAT 7058

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

70-Yb-179



70-Yb-179

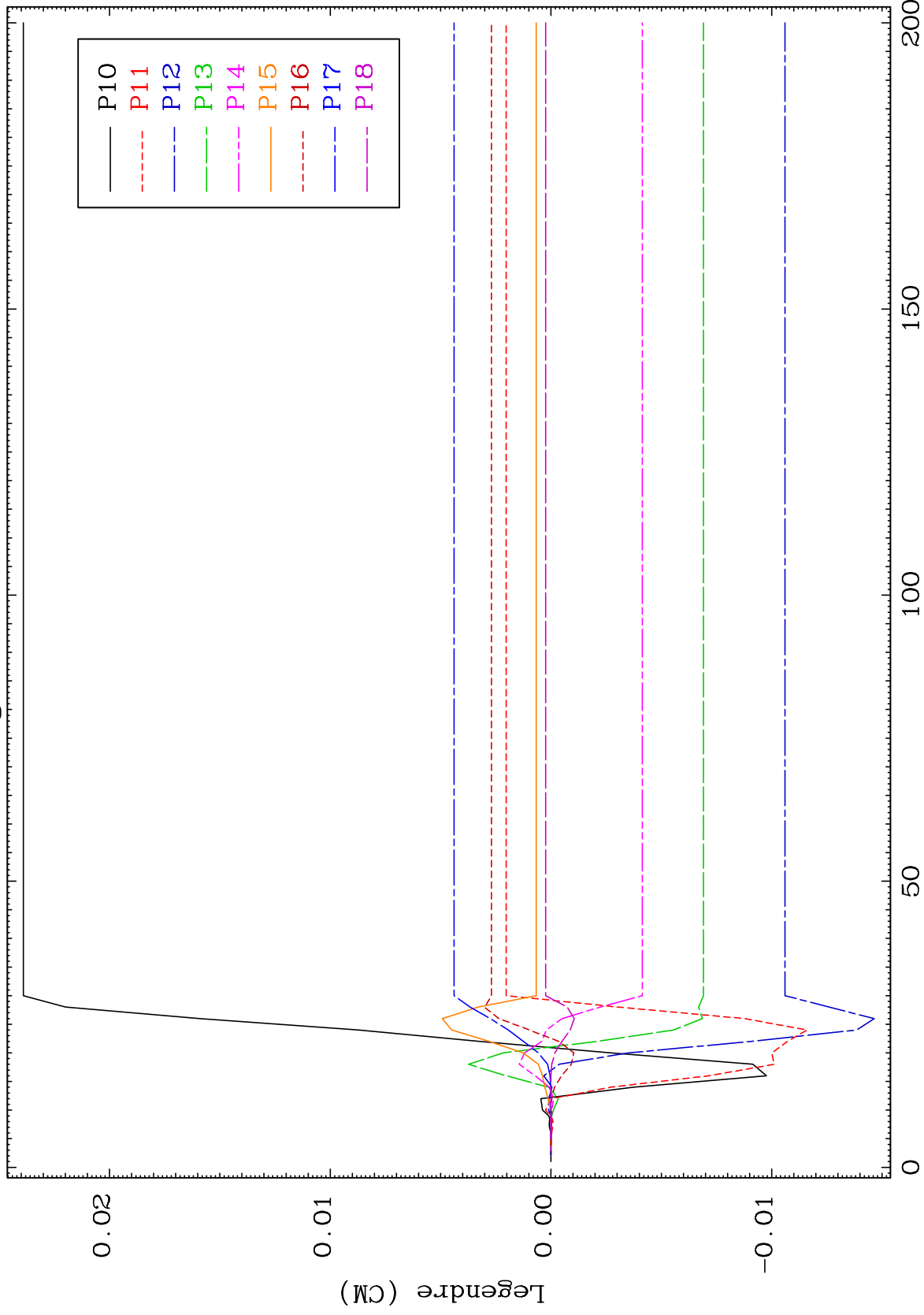
Incident Energy (MeV)

81

MAT 7058

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

70-Yb-179



82

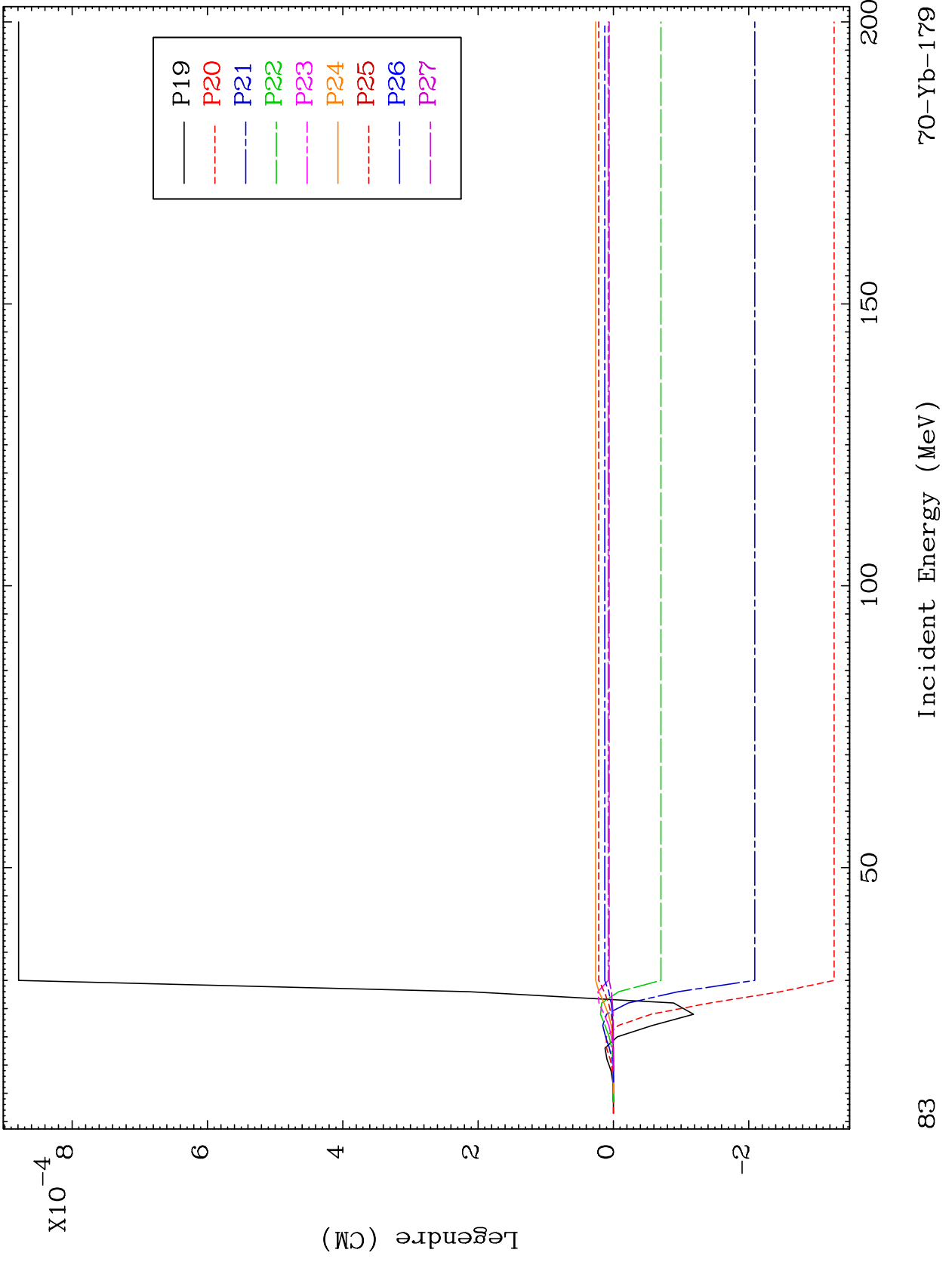
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

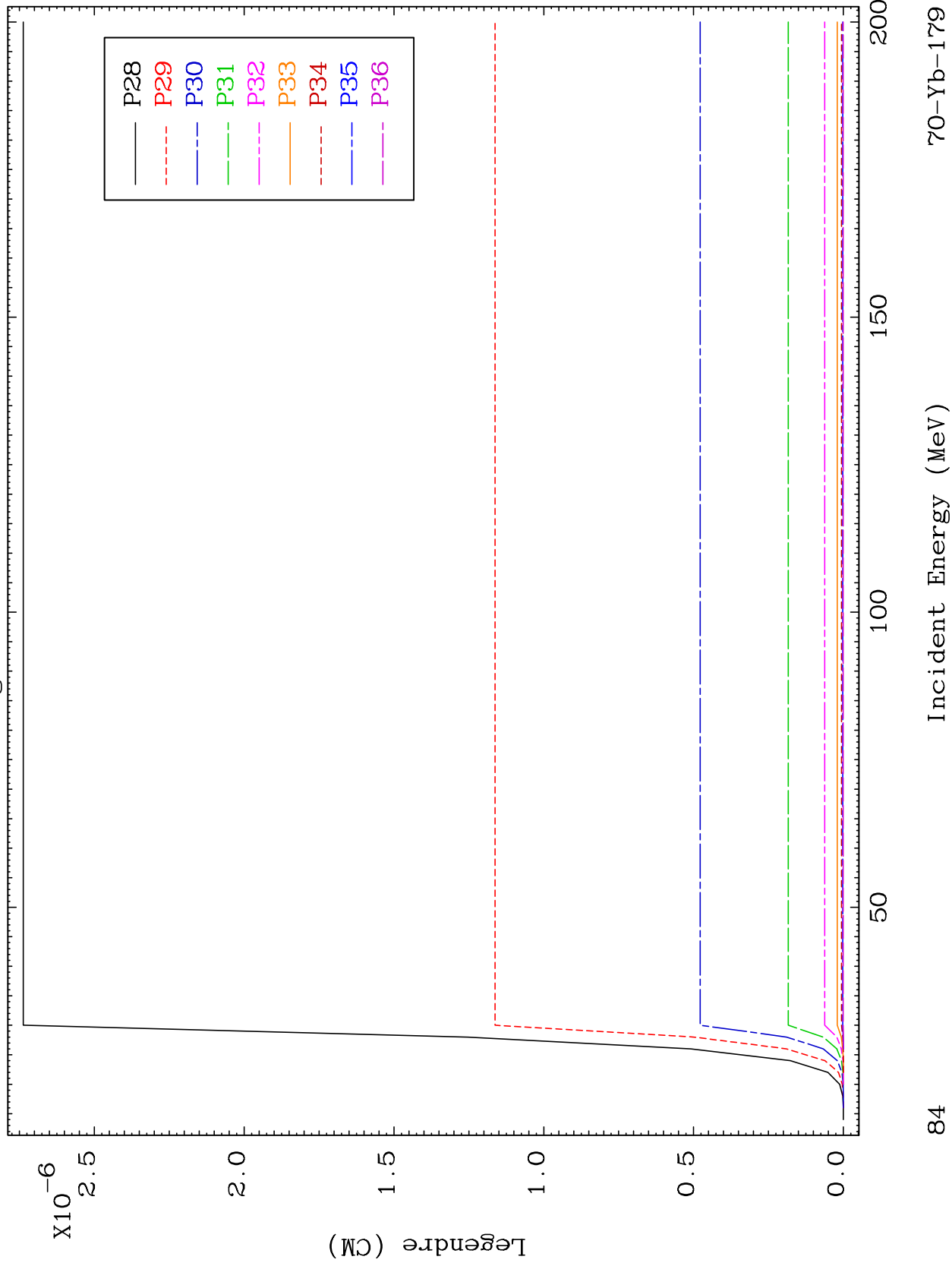
70-Yb-179



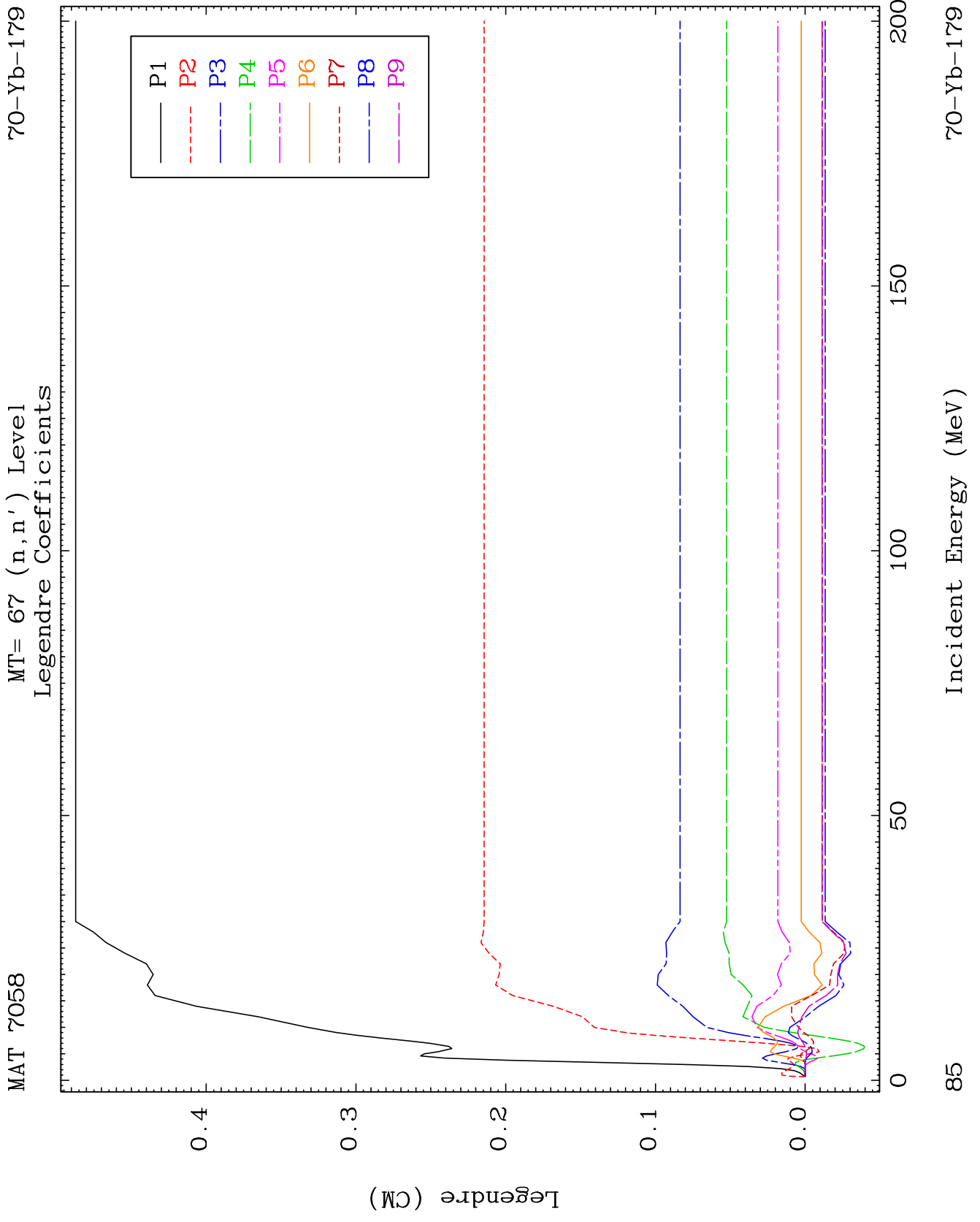
MAT 7058

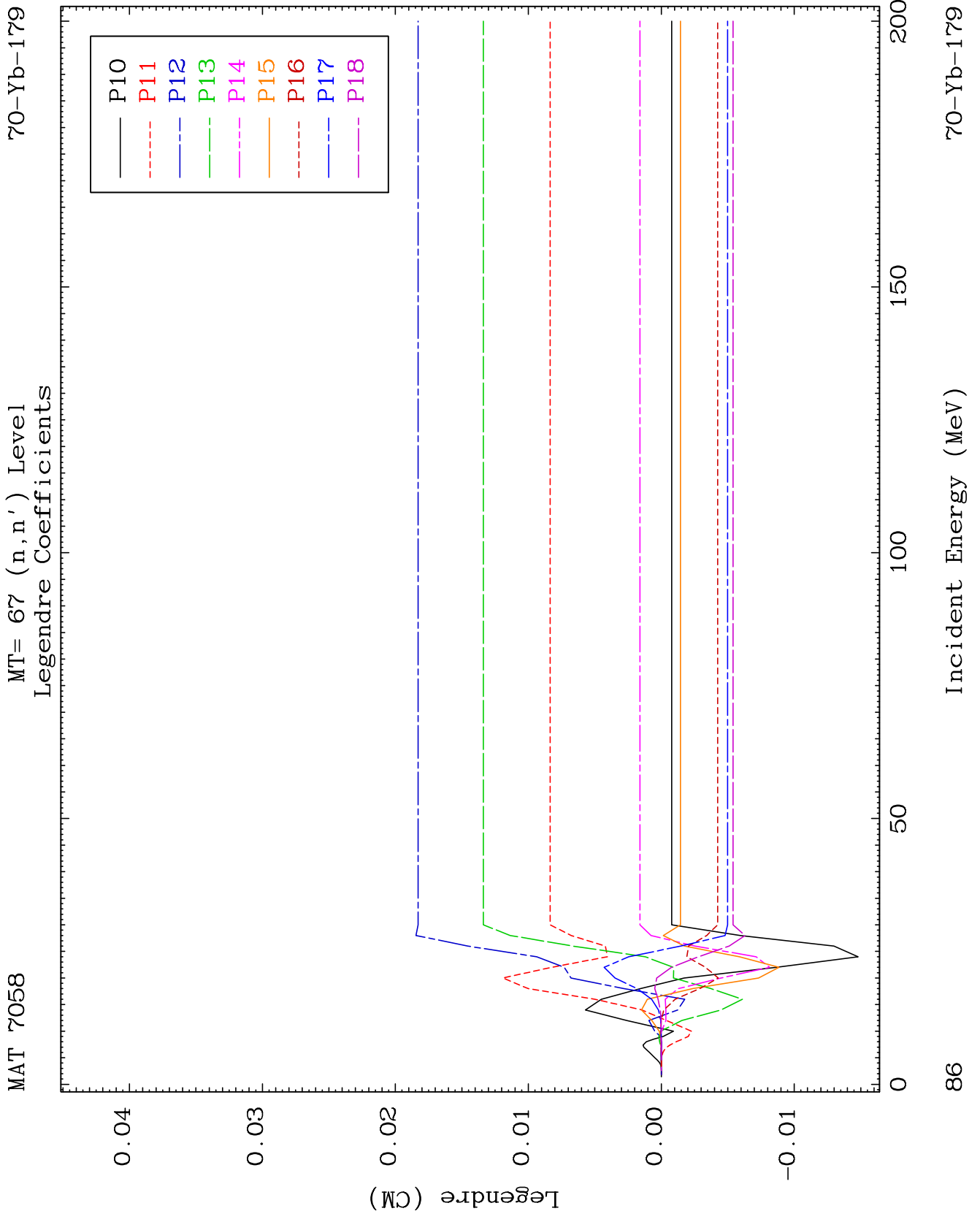
MT= 66 (n,n') Level
Legendre Coefficients

70-Yb-179



84

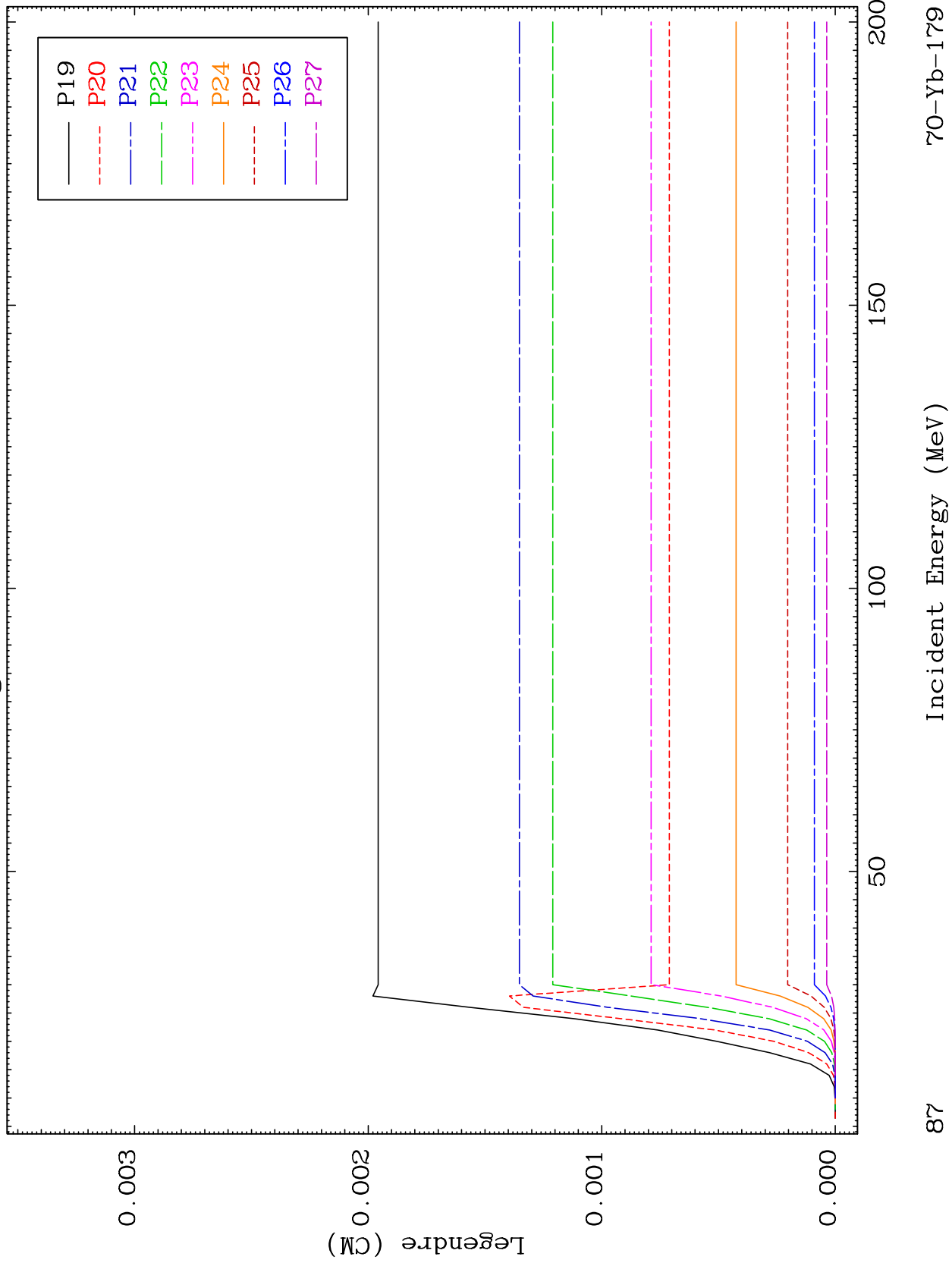




MAT 7058

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

70-Yb-179



87

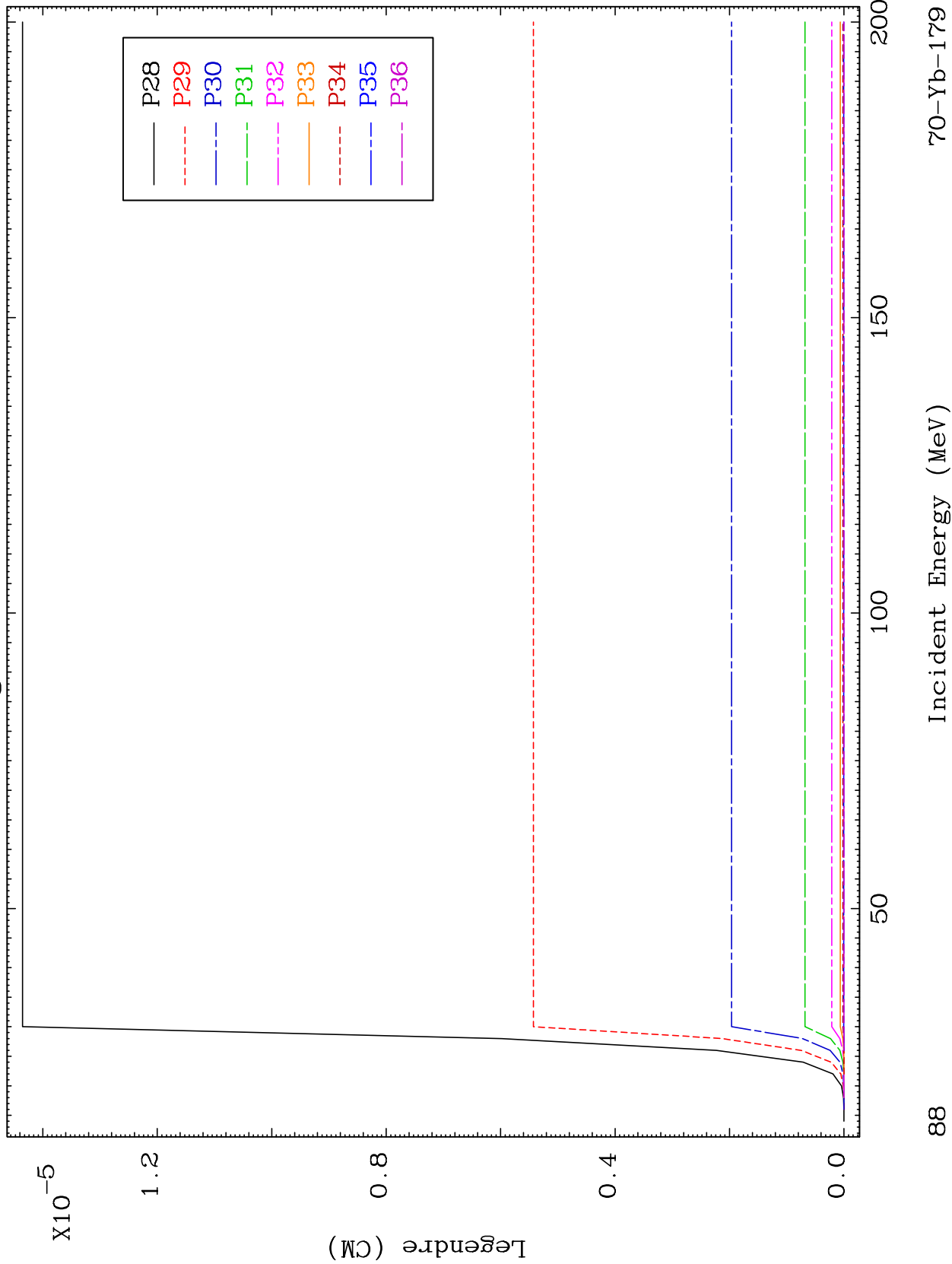
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

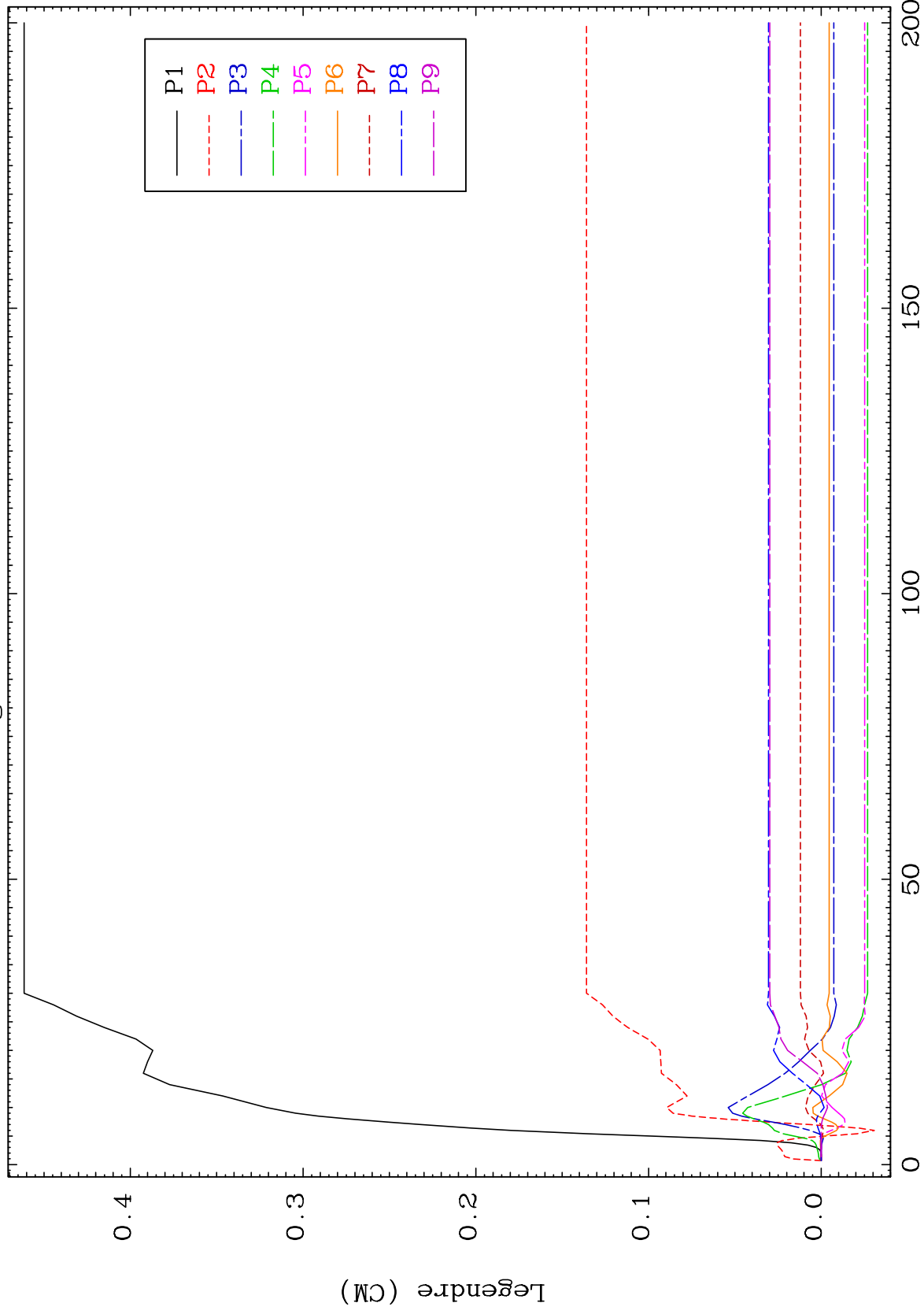
70-Yb-179



MAT 7058

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

70-Yb-179



89

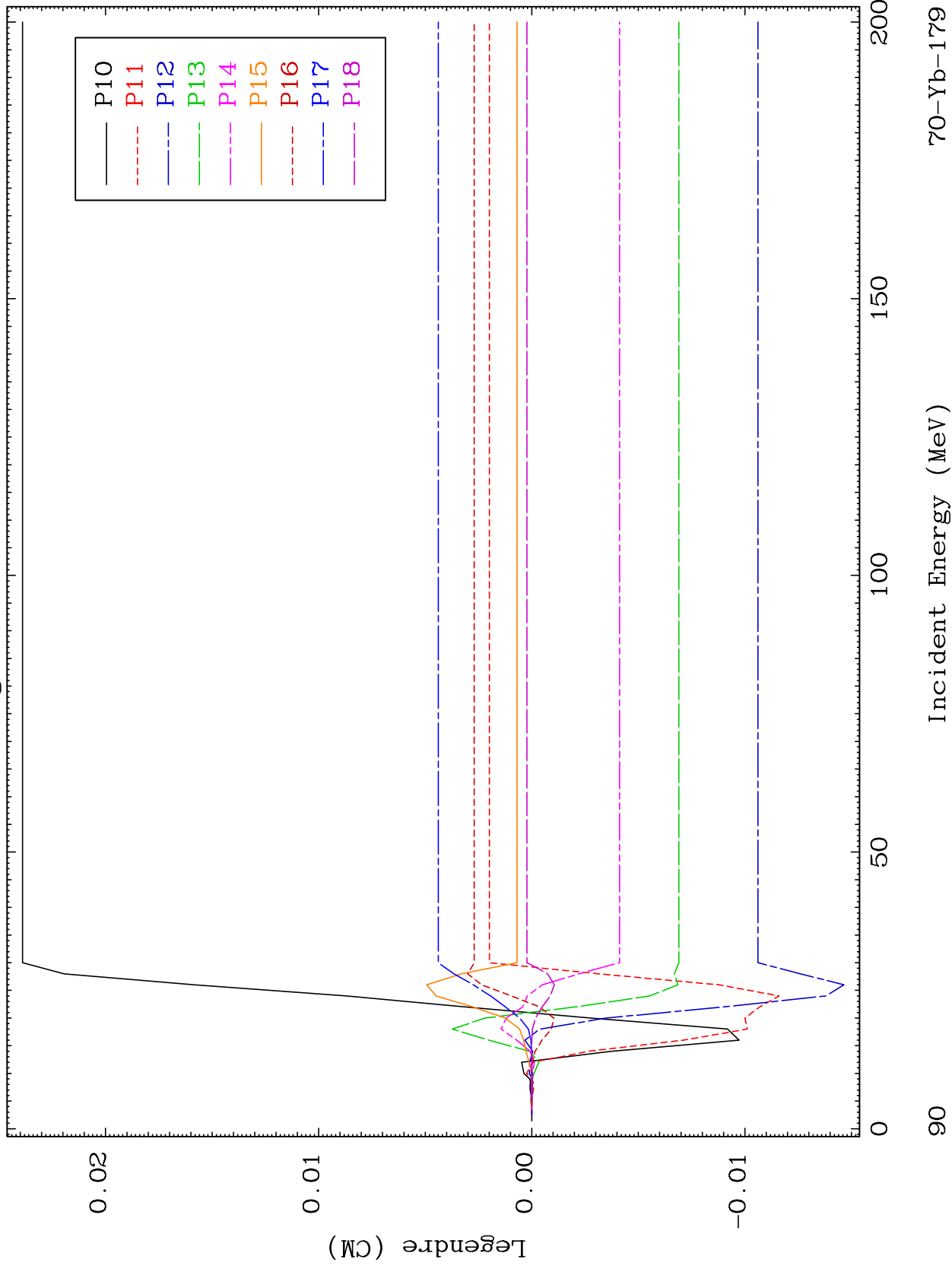
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

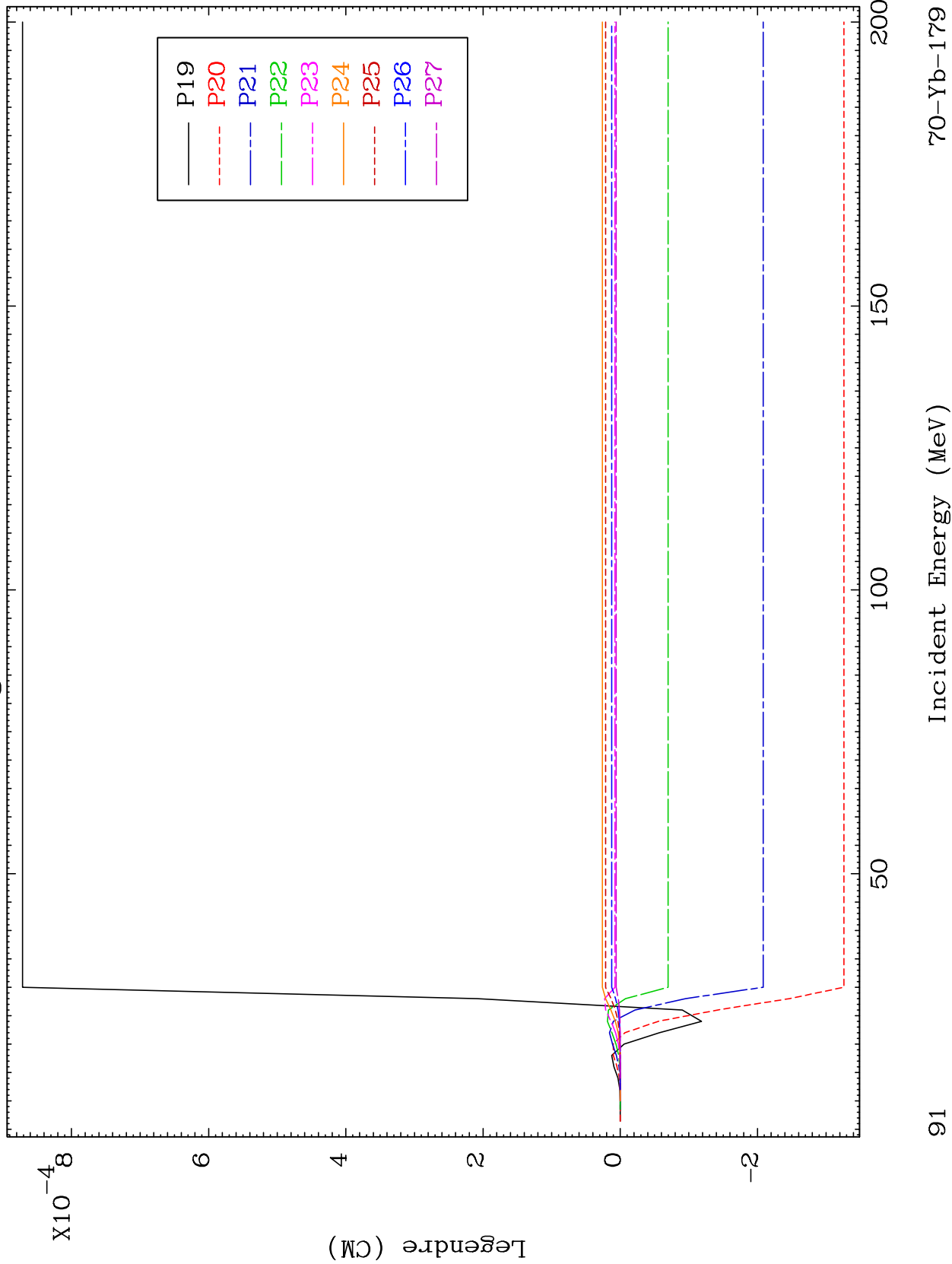
70-Yb-179



MAT 7058

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

70-Yb-179



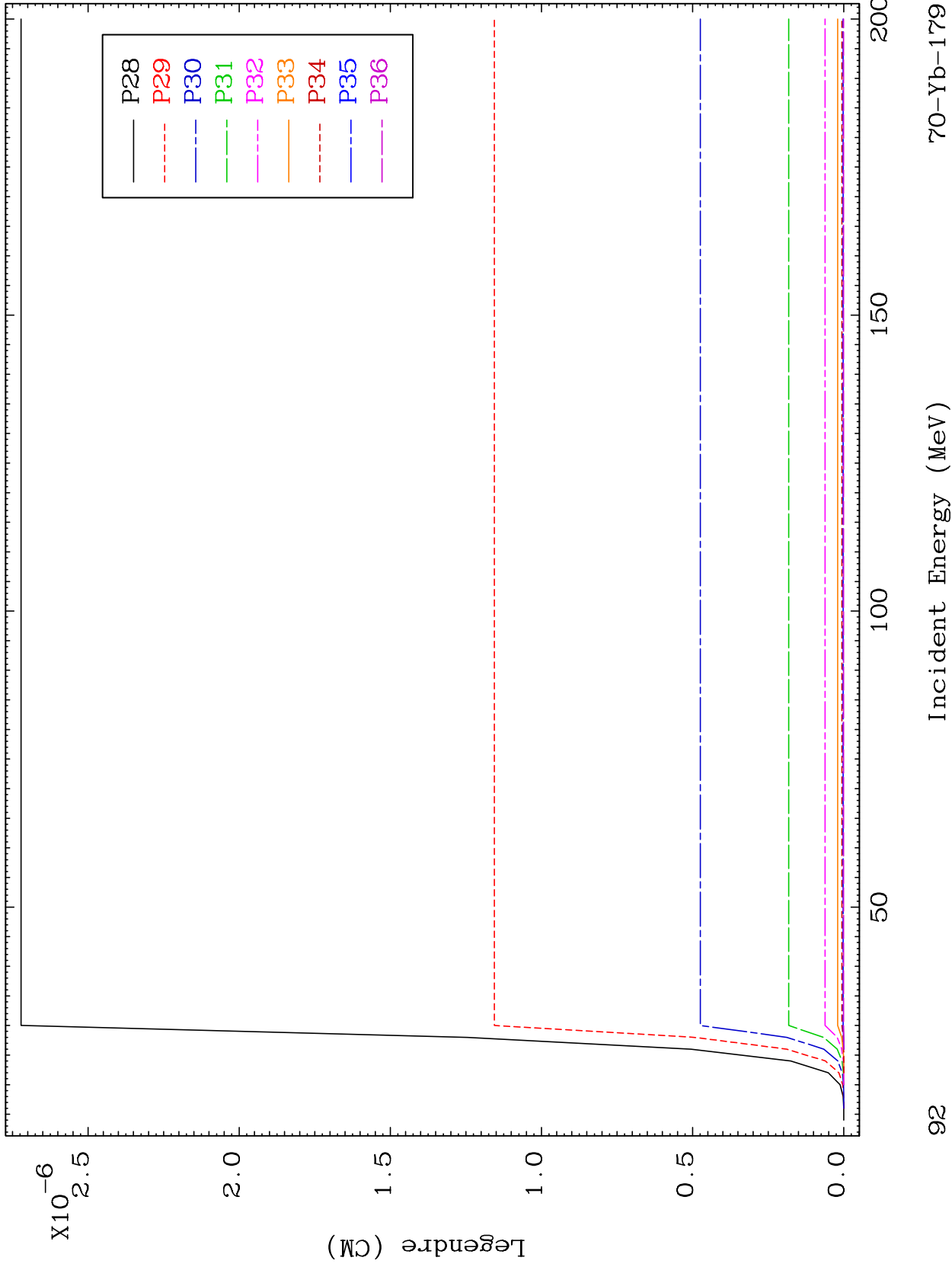
91

70-Yb-179

MAT 7058

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

70-Yb-179

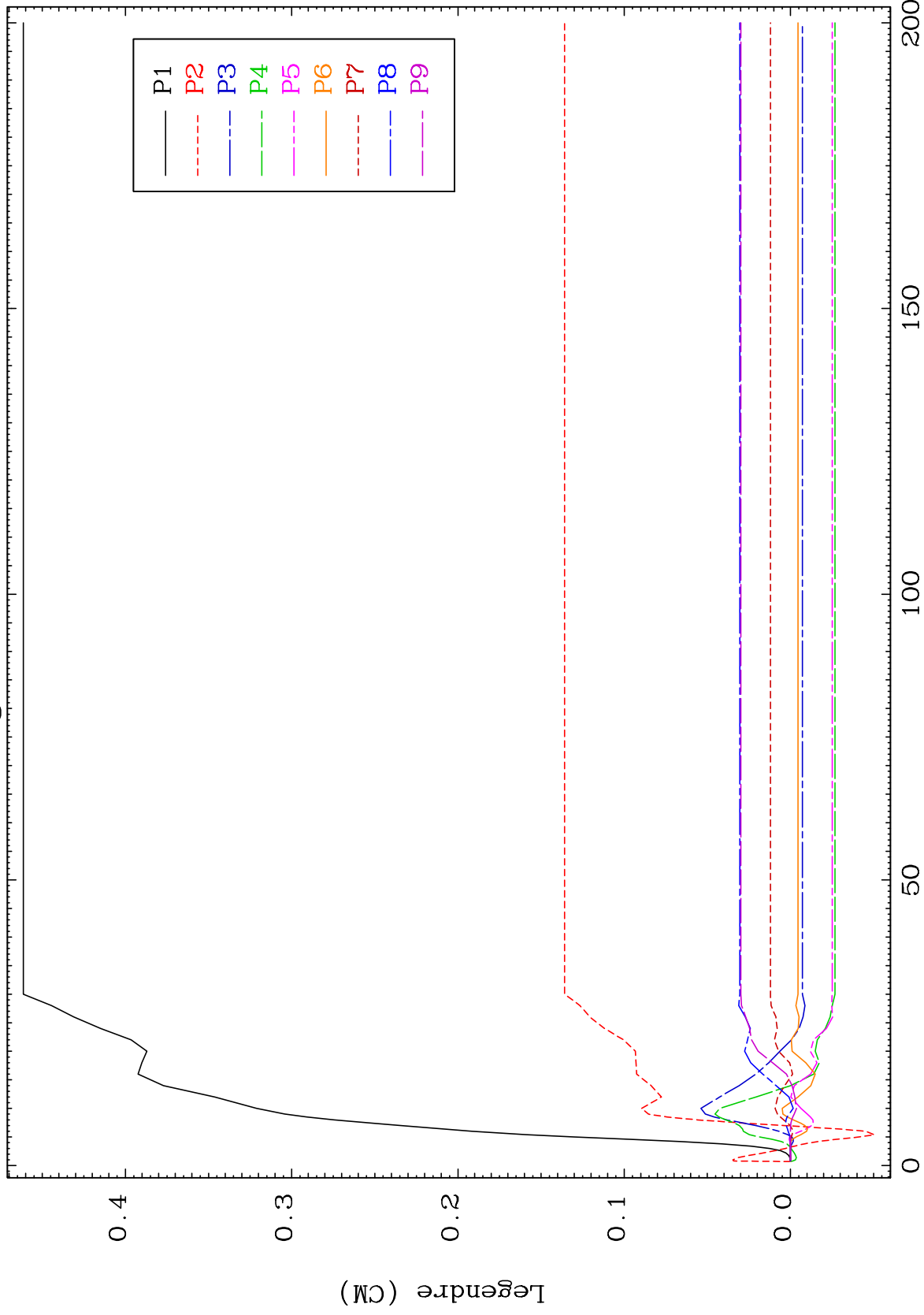


92

MAT 7058

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

70-Yb-179



93

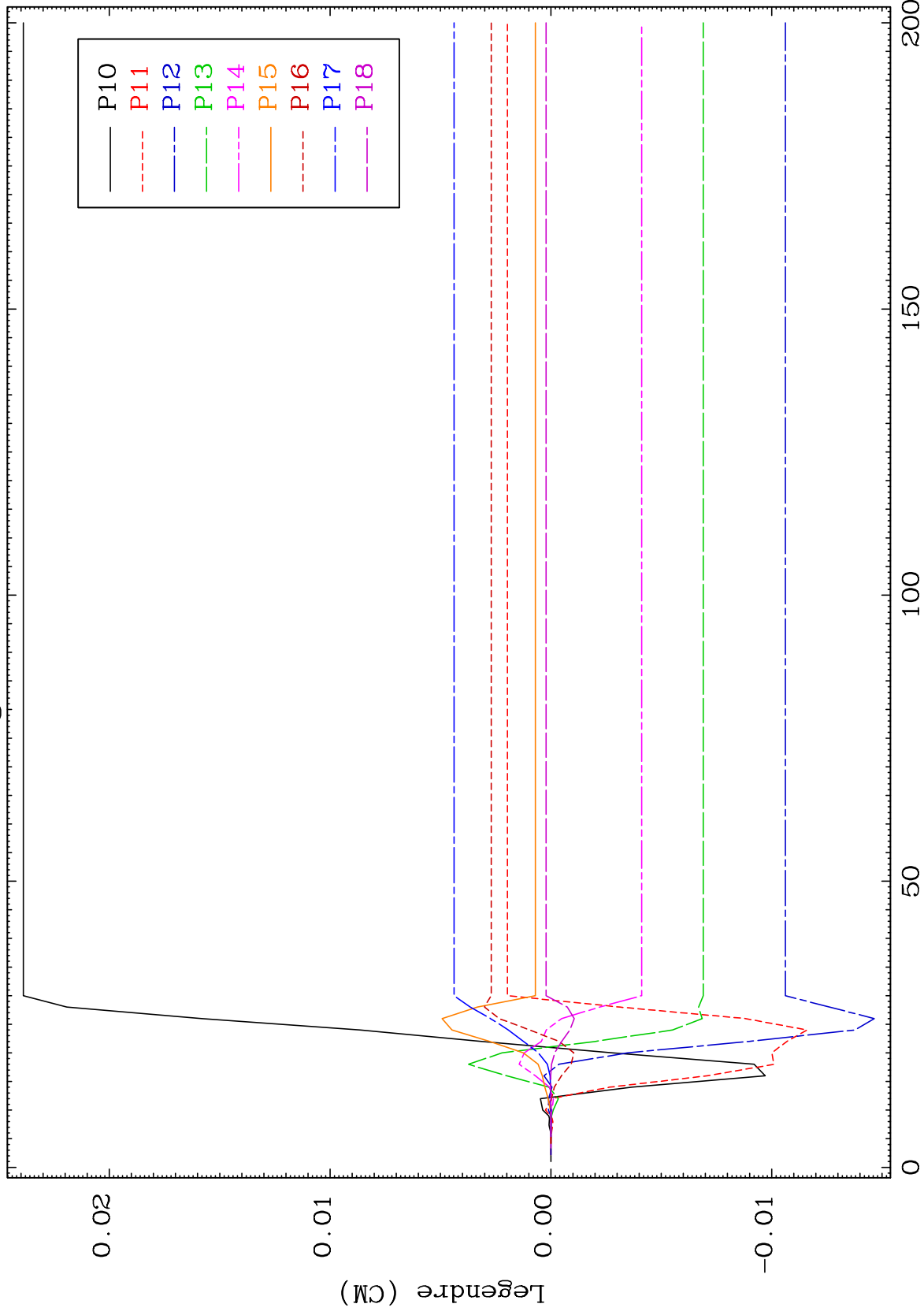
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



94

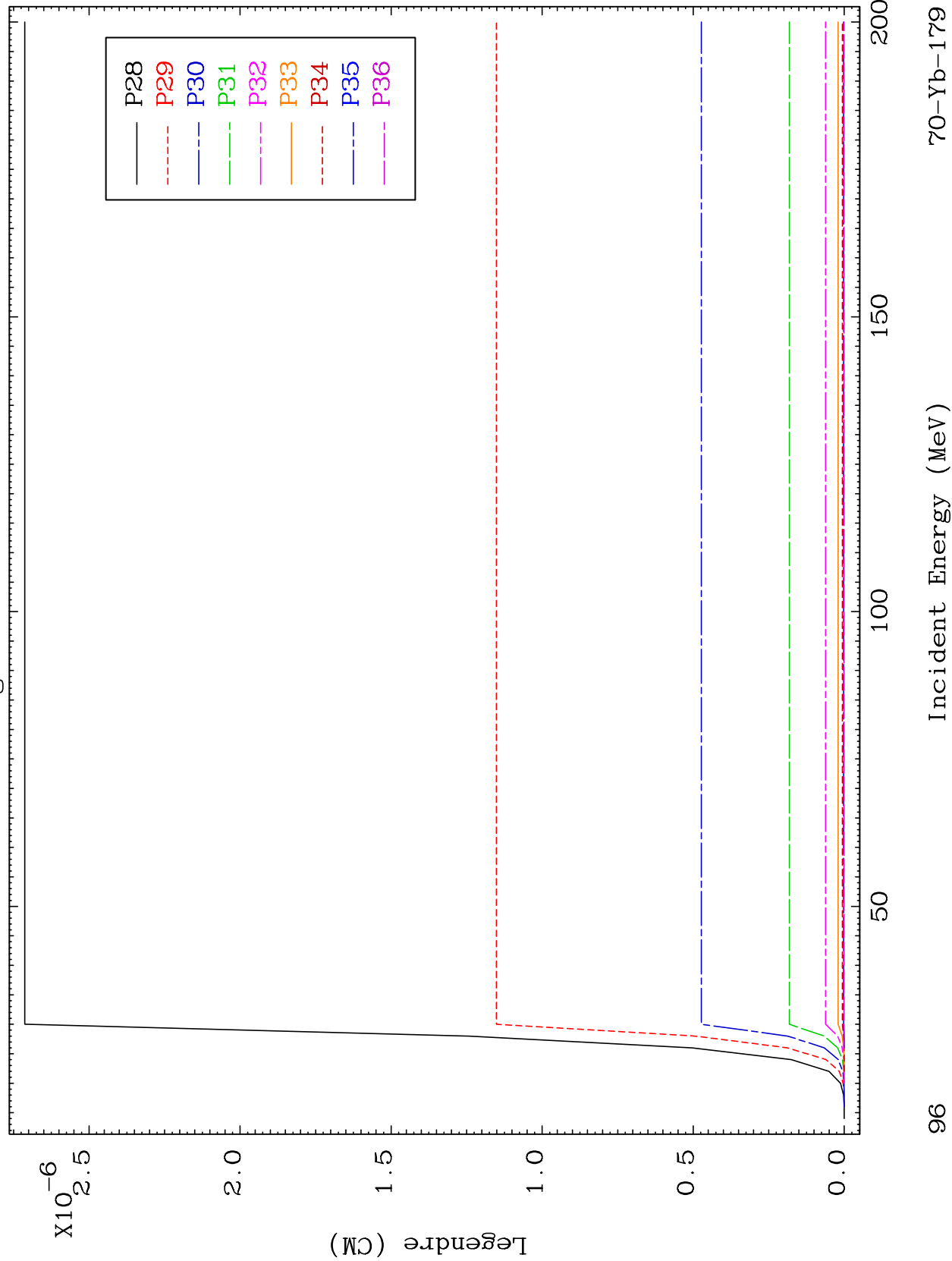
Incident Energy (MeV)

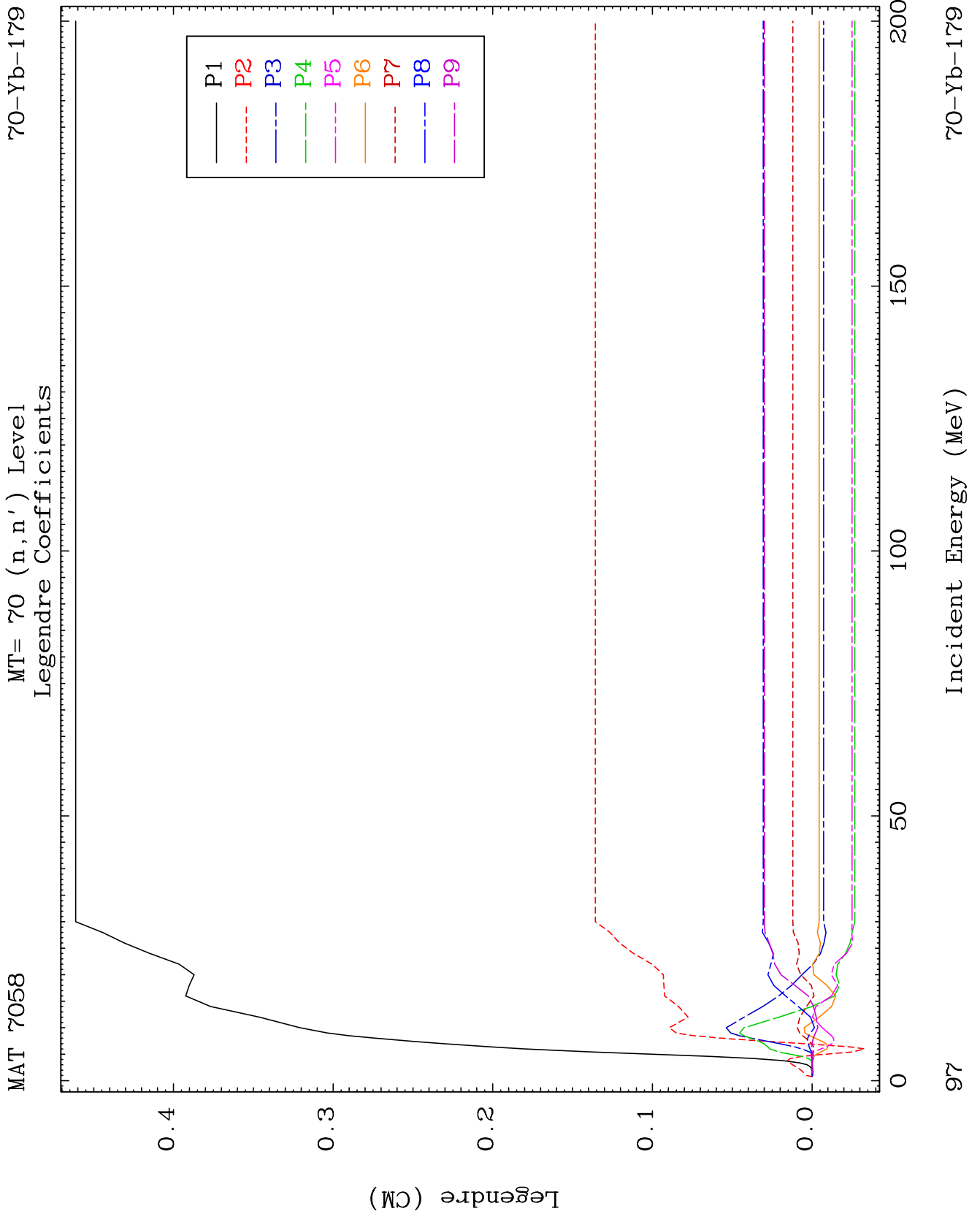
70-Yb-179

MAT 7058

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

70-Yb-179

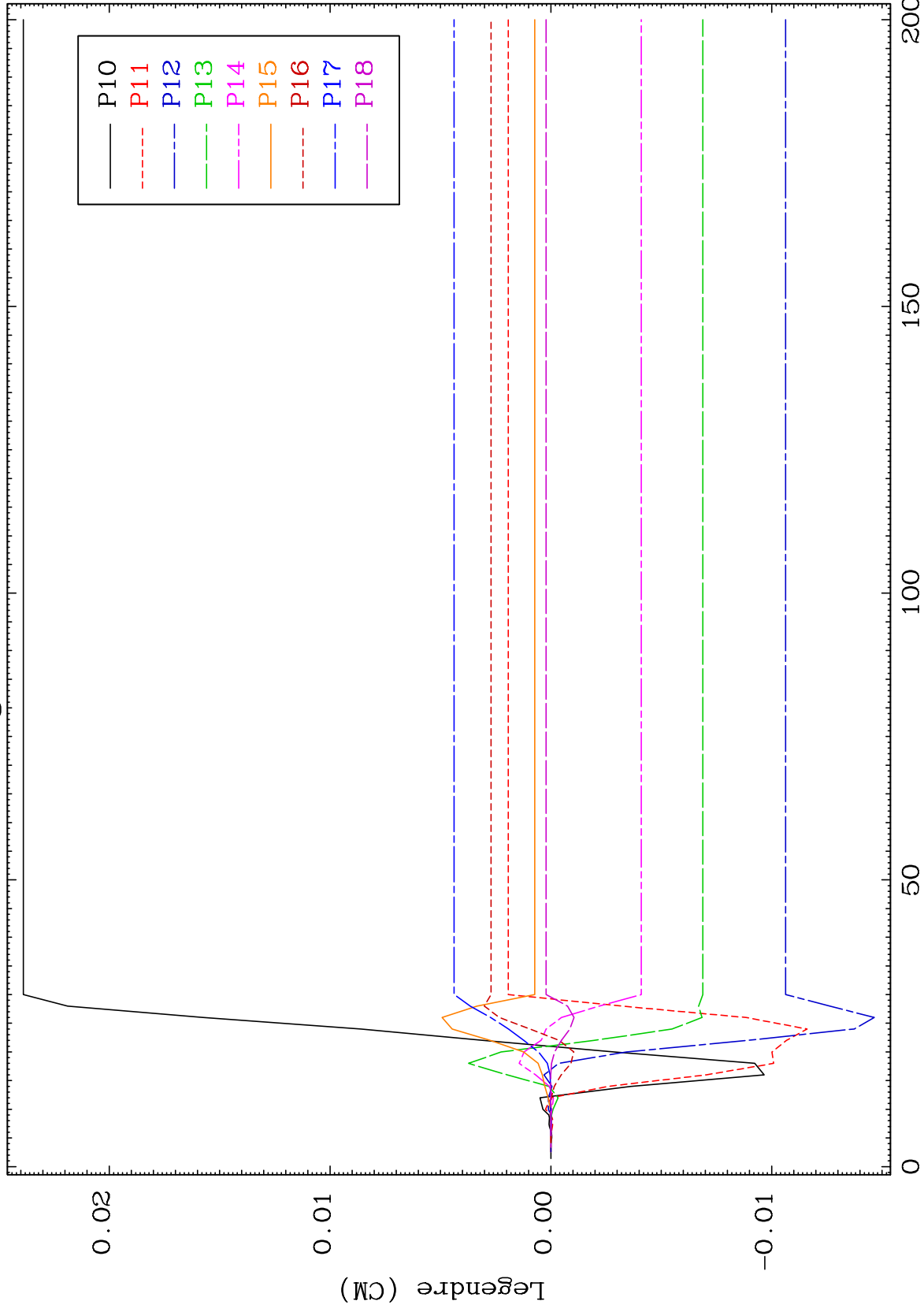




MAT 7058

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

70-Yb-179



98

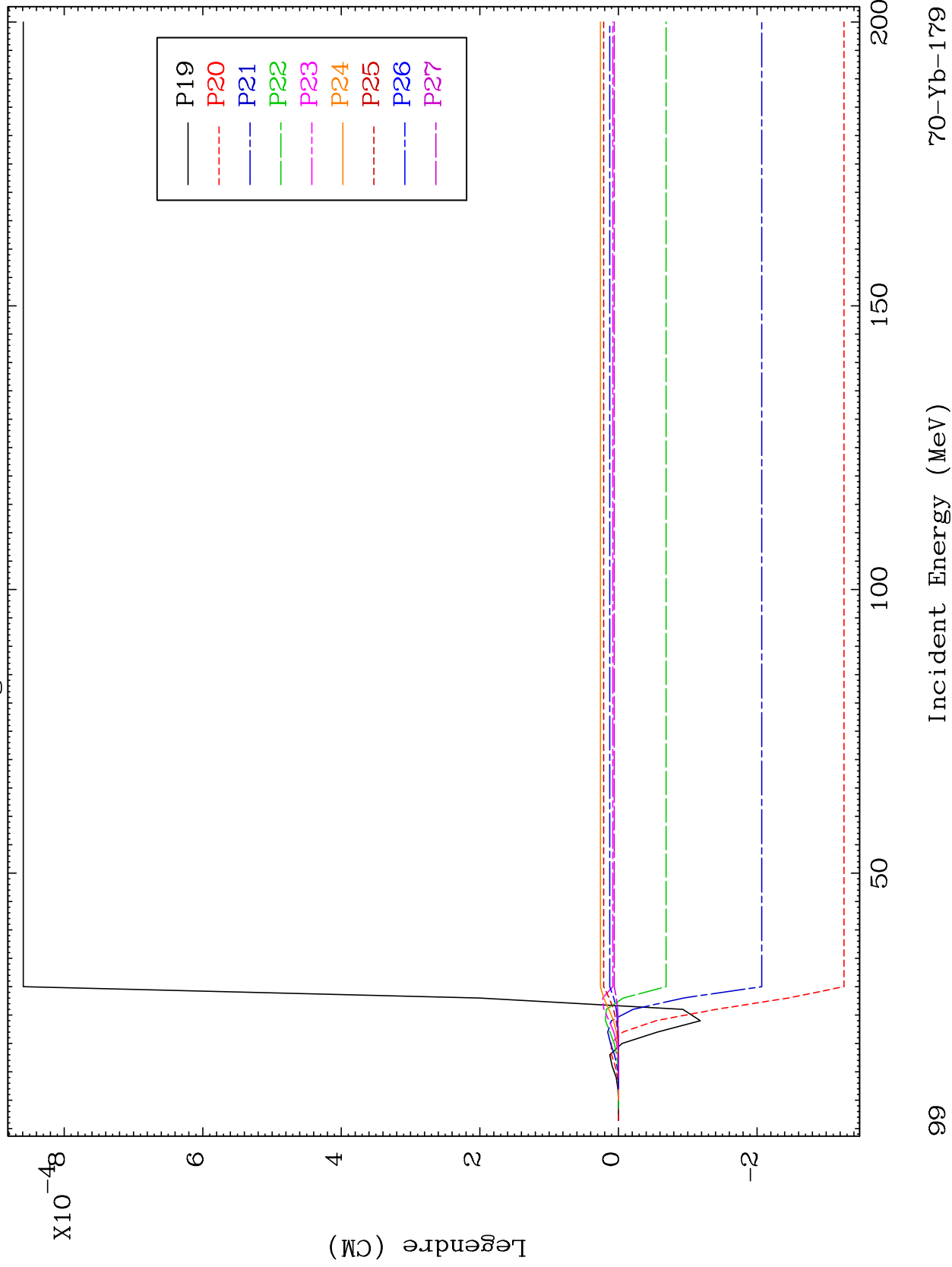
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



99

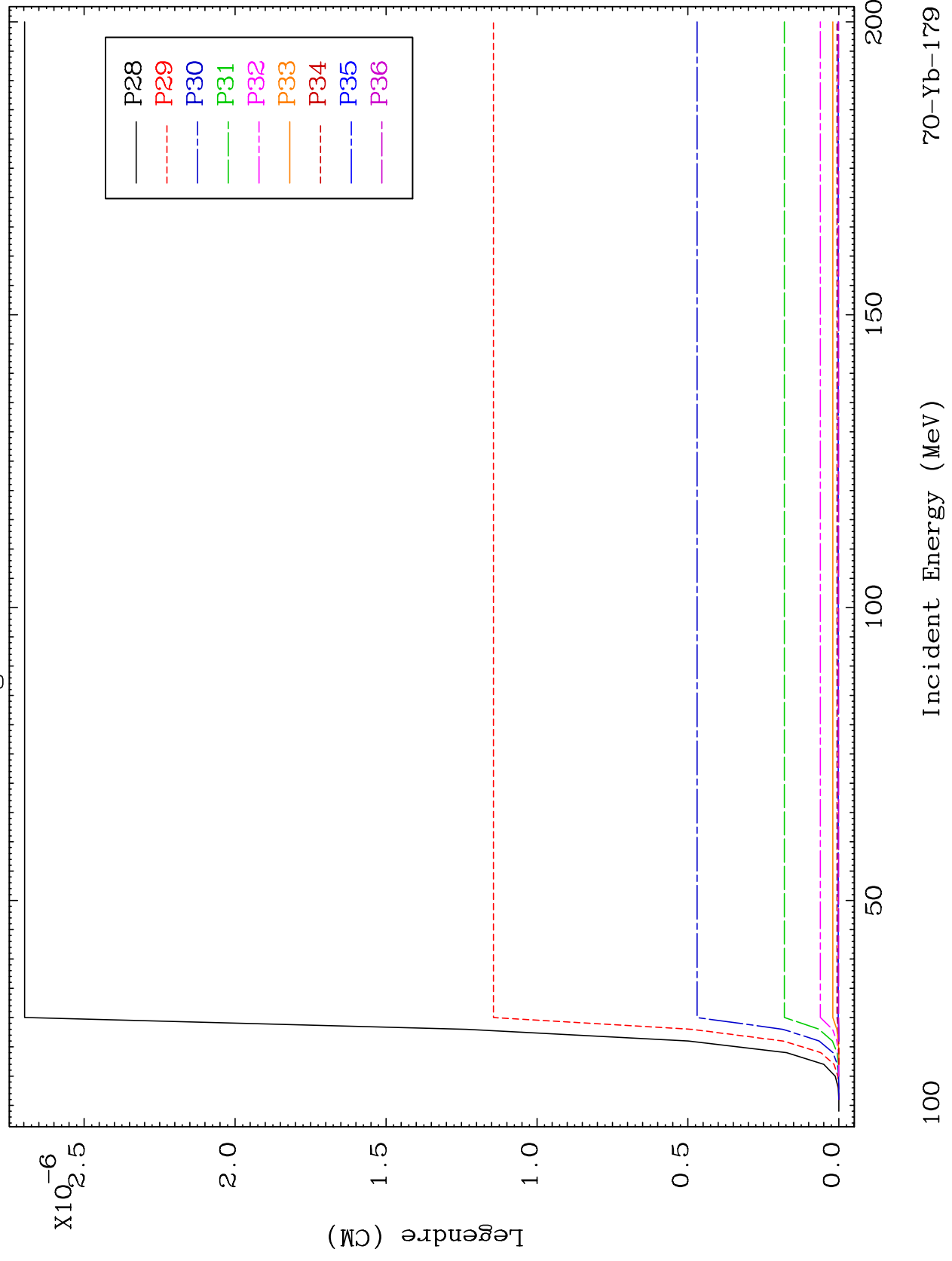
Incident Energy (MeV)

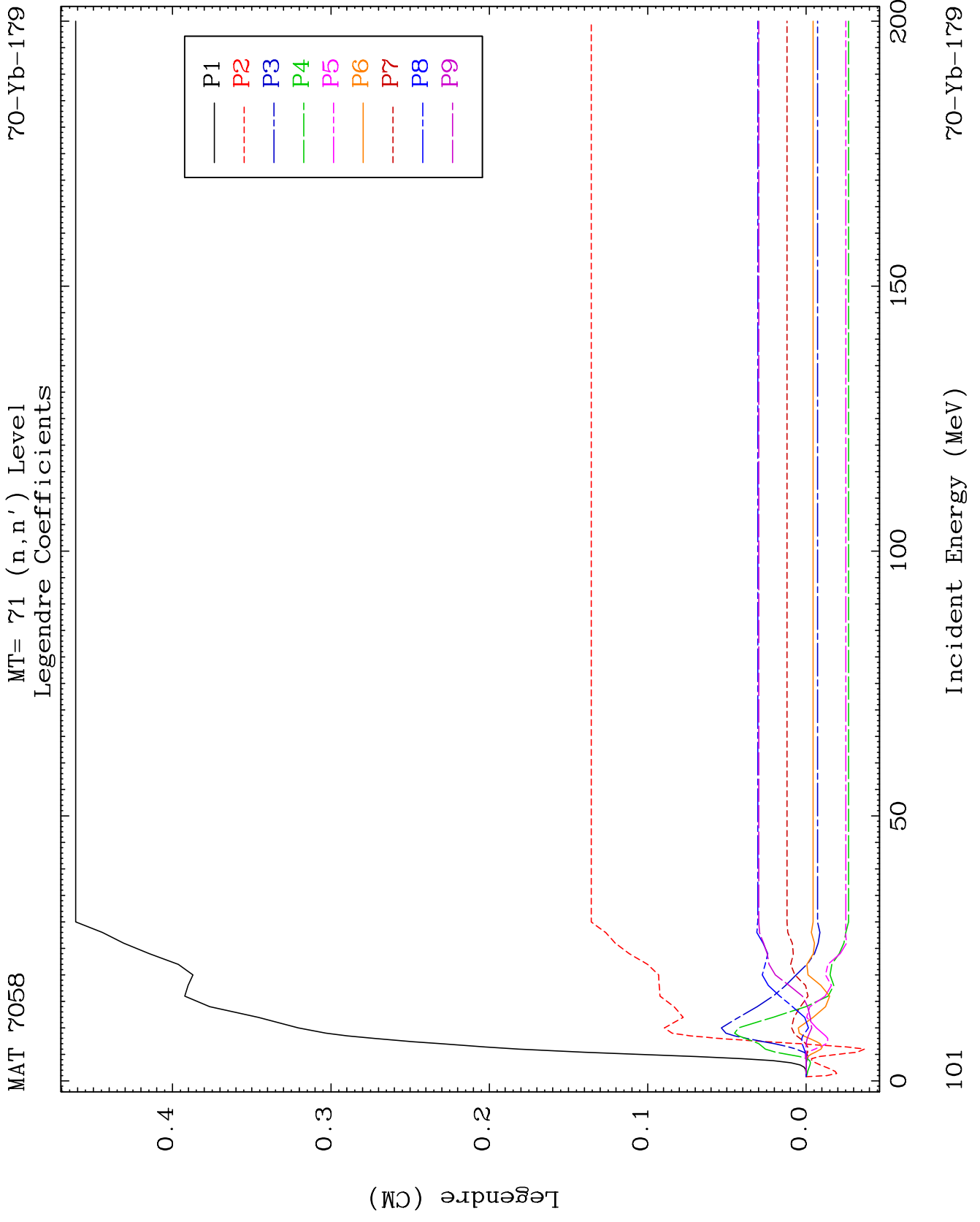
70-Yb-179

MAT 7058

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

70-Yb-179

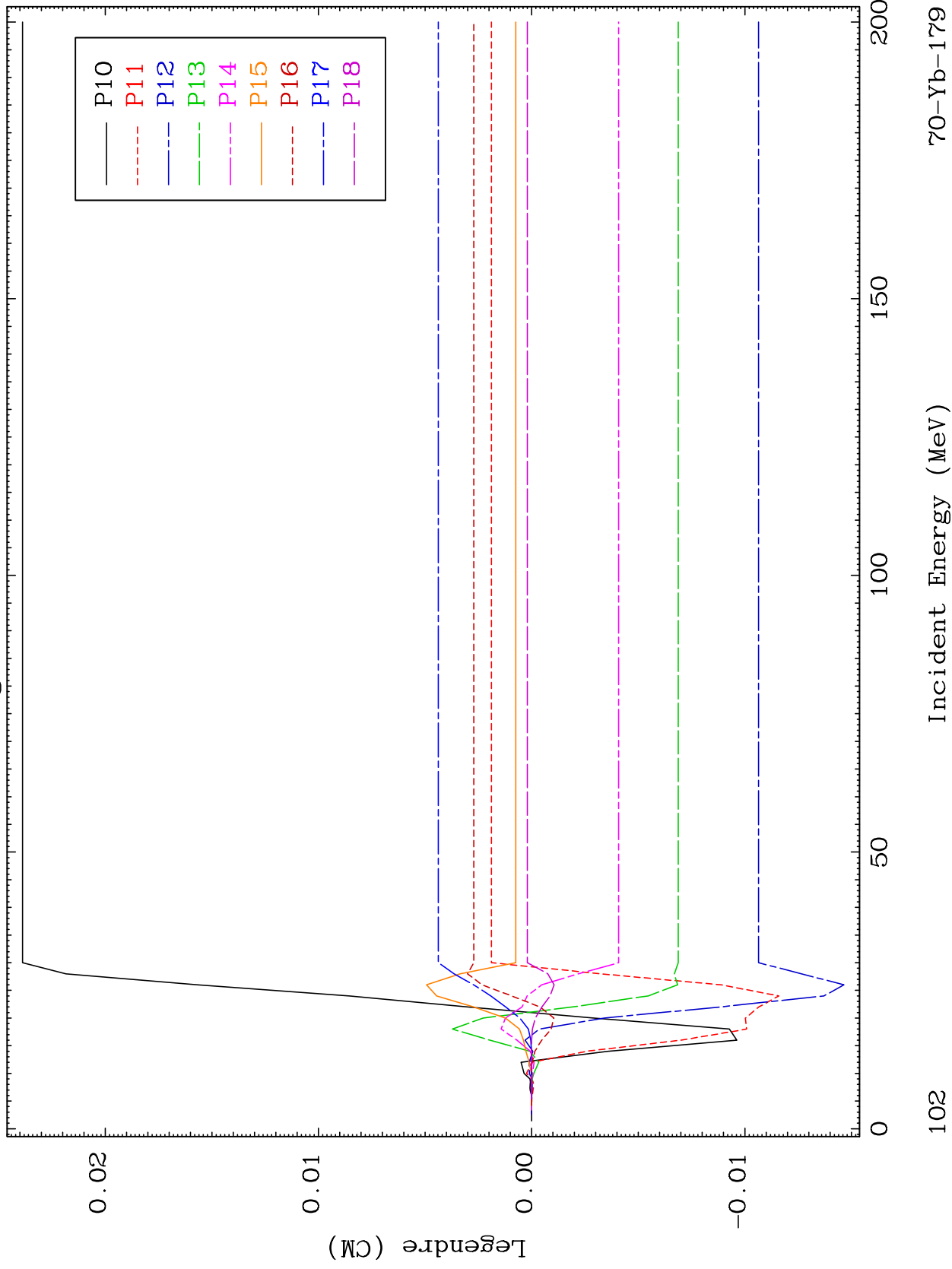




MAT 7058

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

70-Yb-179



70-Yb-179

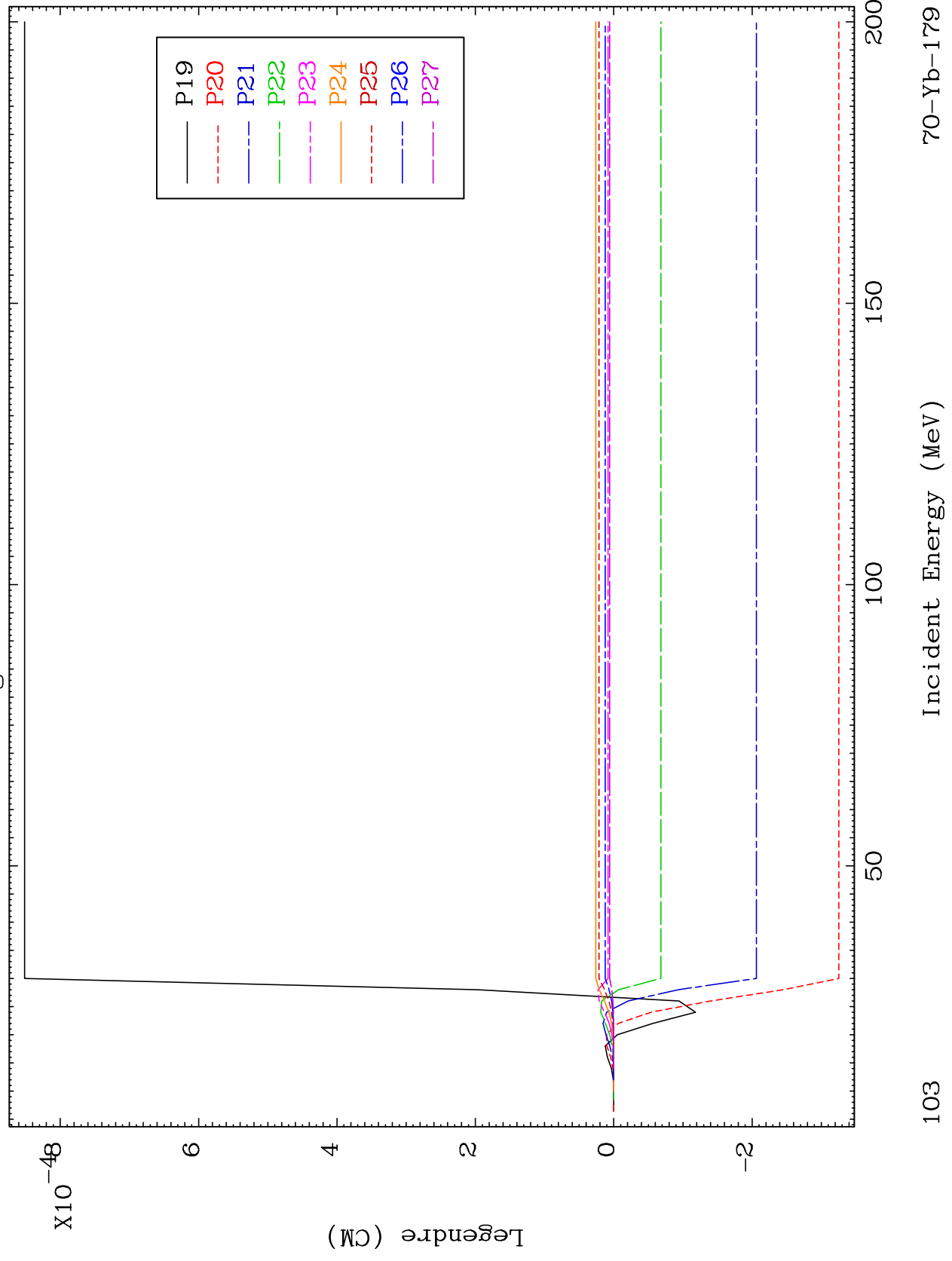
Incident Energy (MeV)

102

MAT 7058

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

70-Yb-179



103

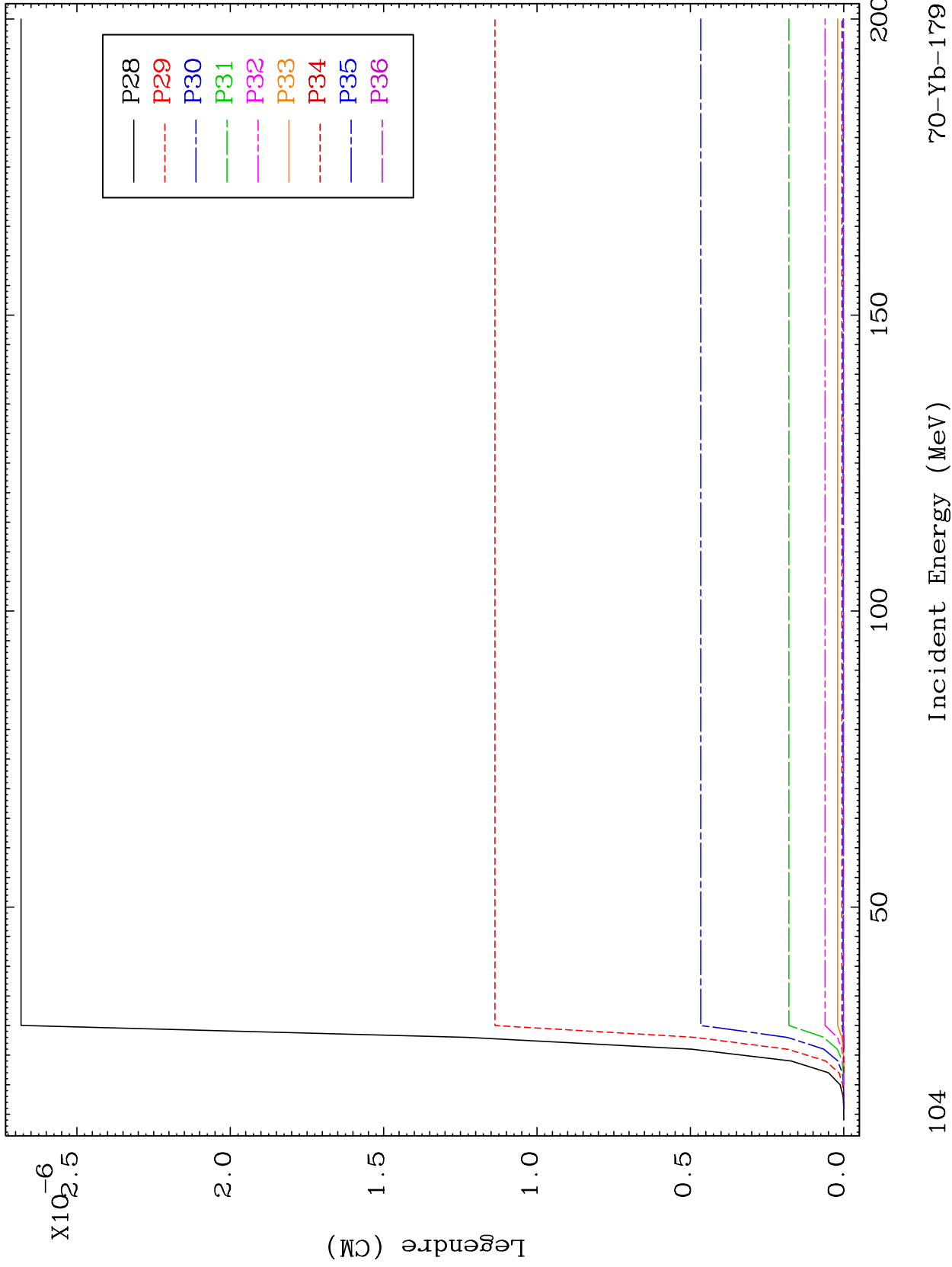
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



104

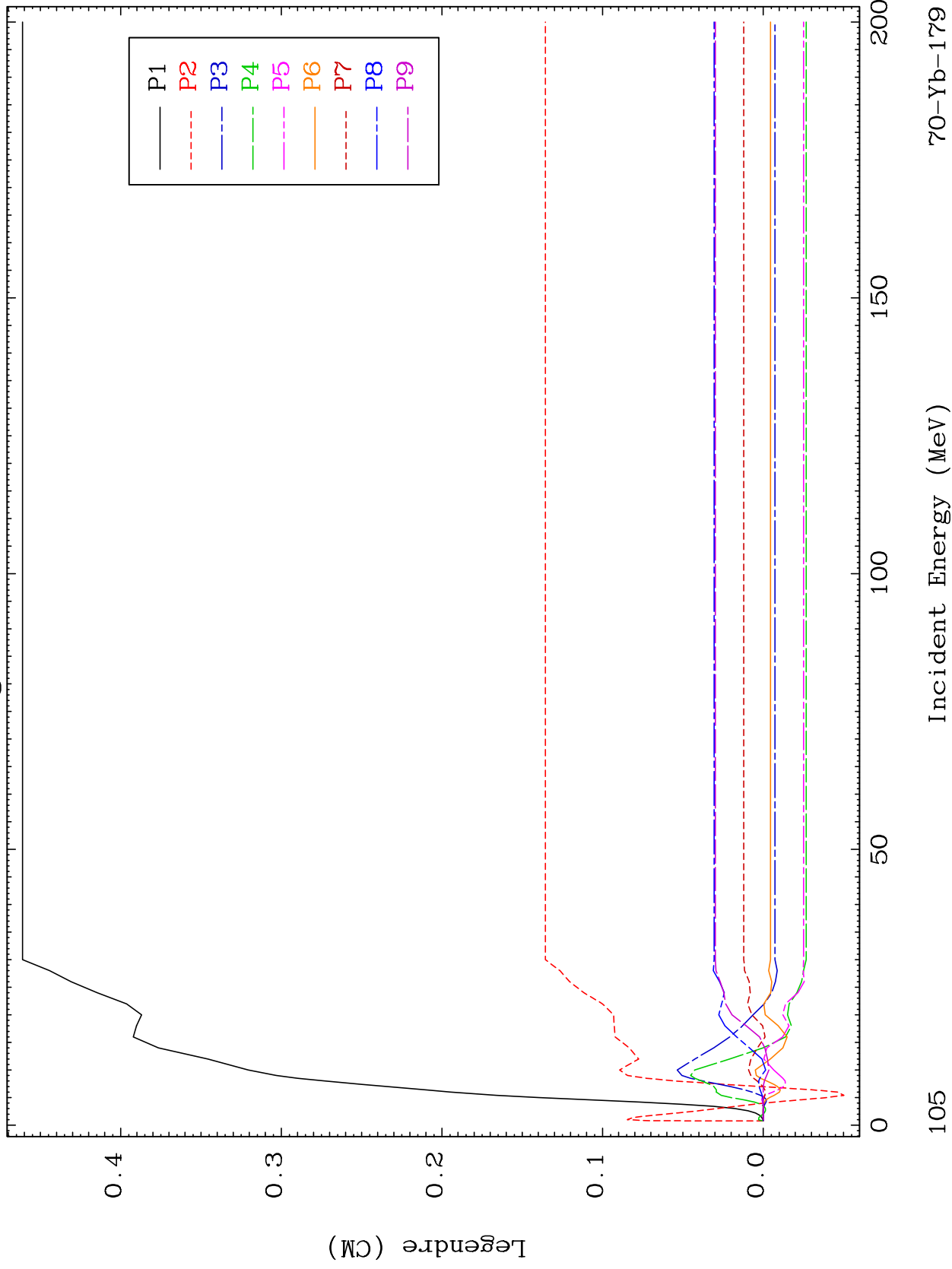
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

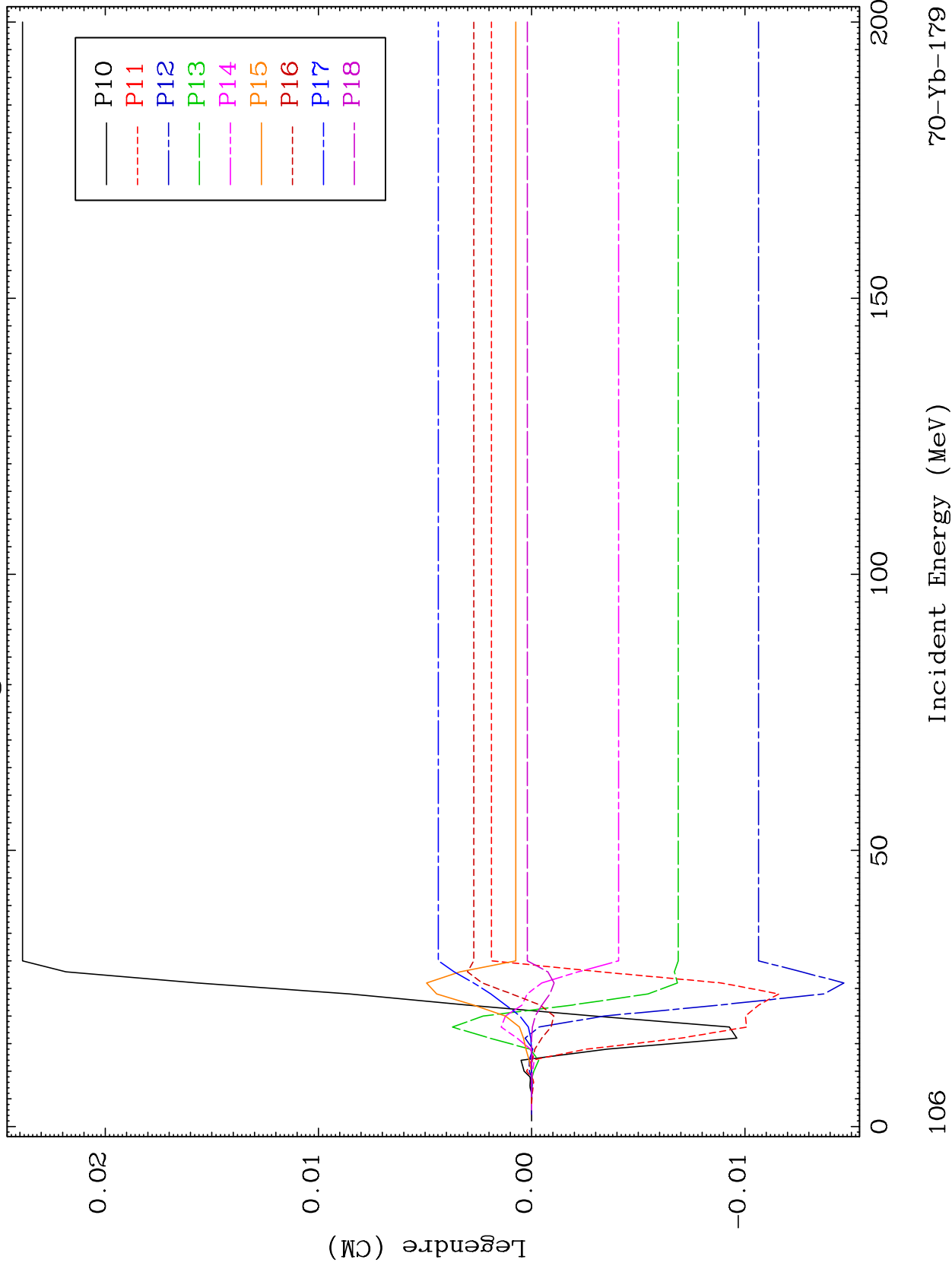
70-Yb-179



MAT 7058

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

70-Yb-179



106

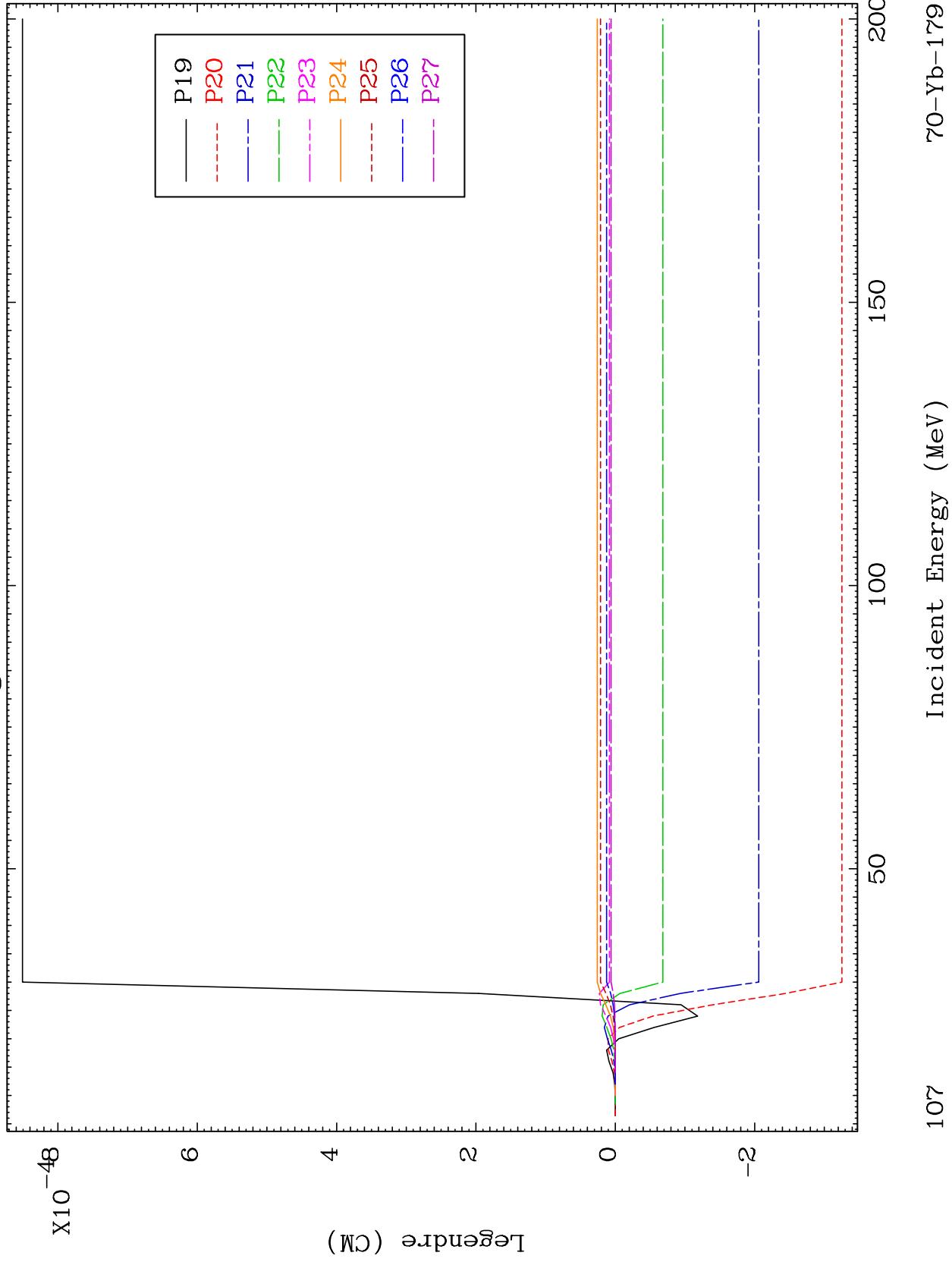
Incident Energy (MeV)

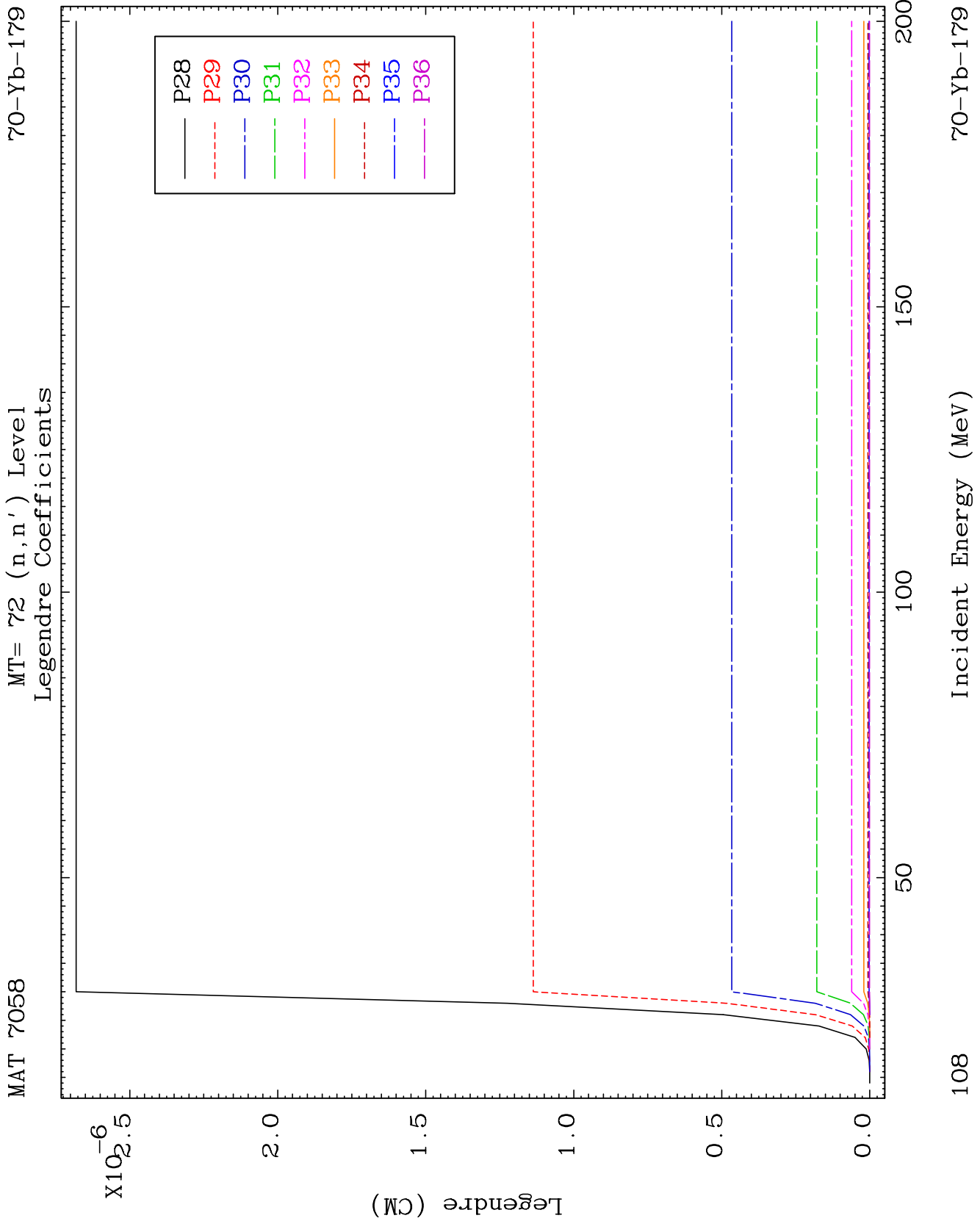
70-Yb-179

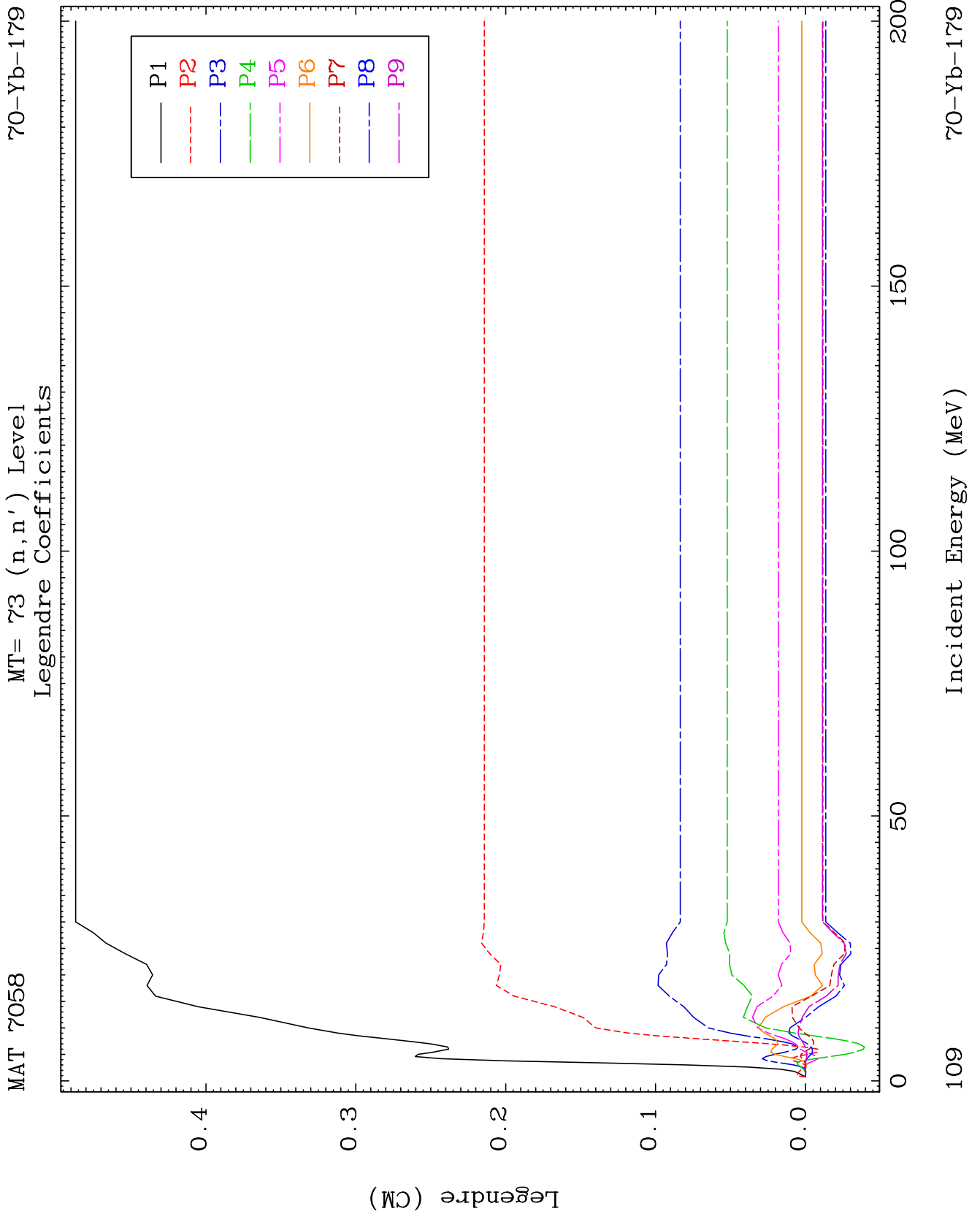
MAT 7058

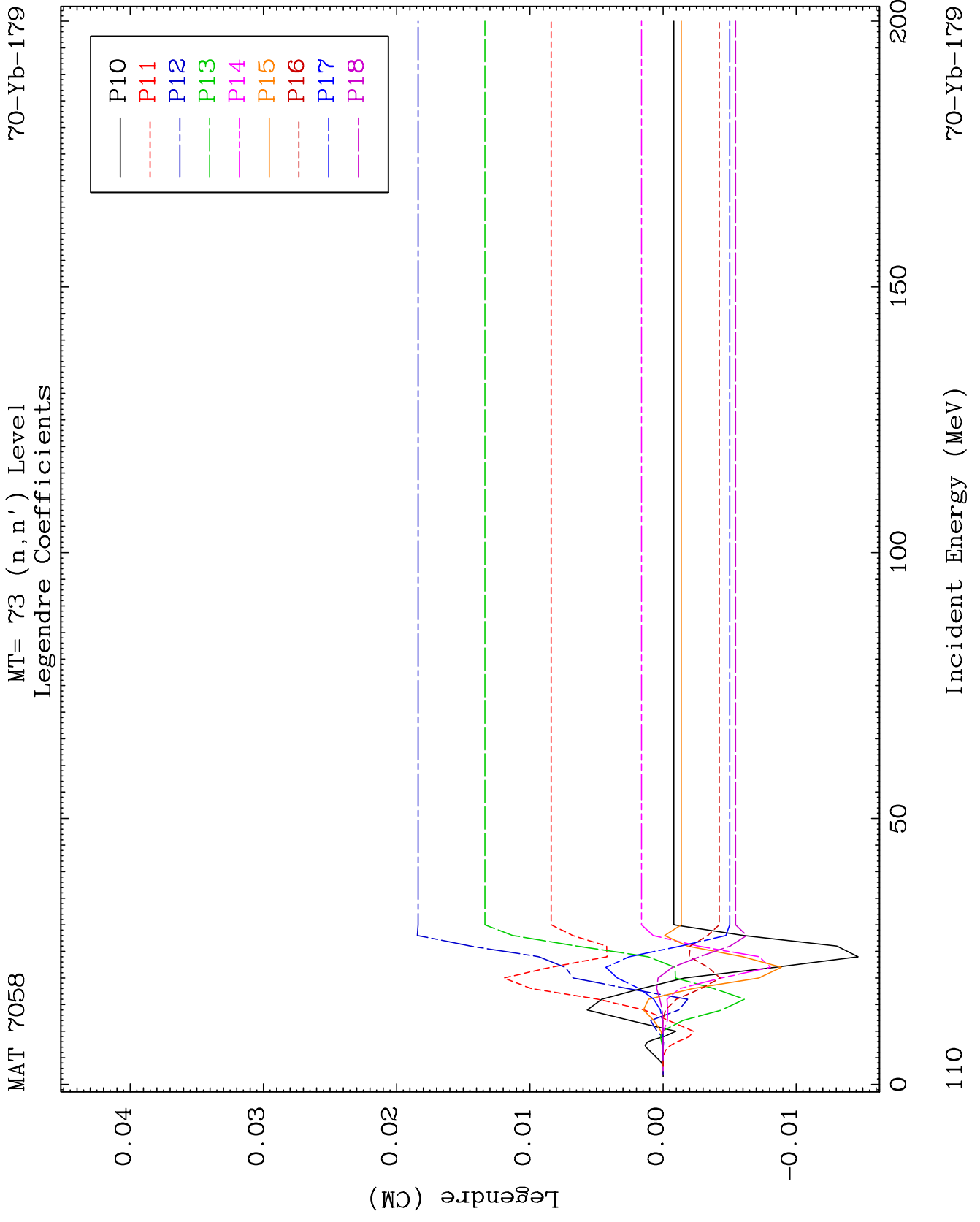
MT= 72 (n,n') Level
Legendre Coefficients

70-Yb-179





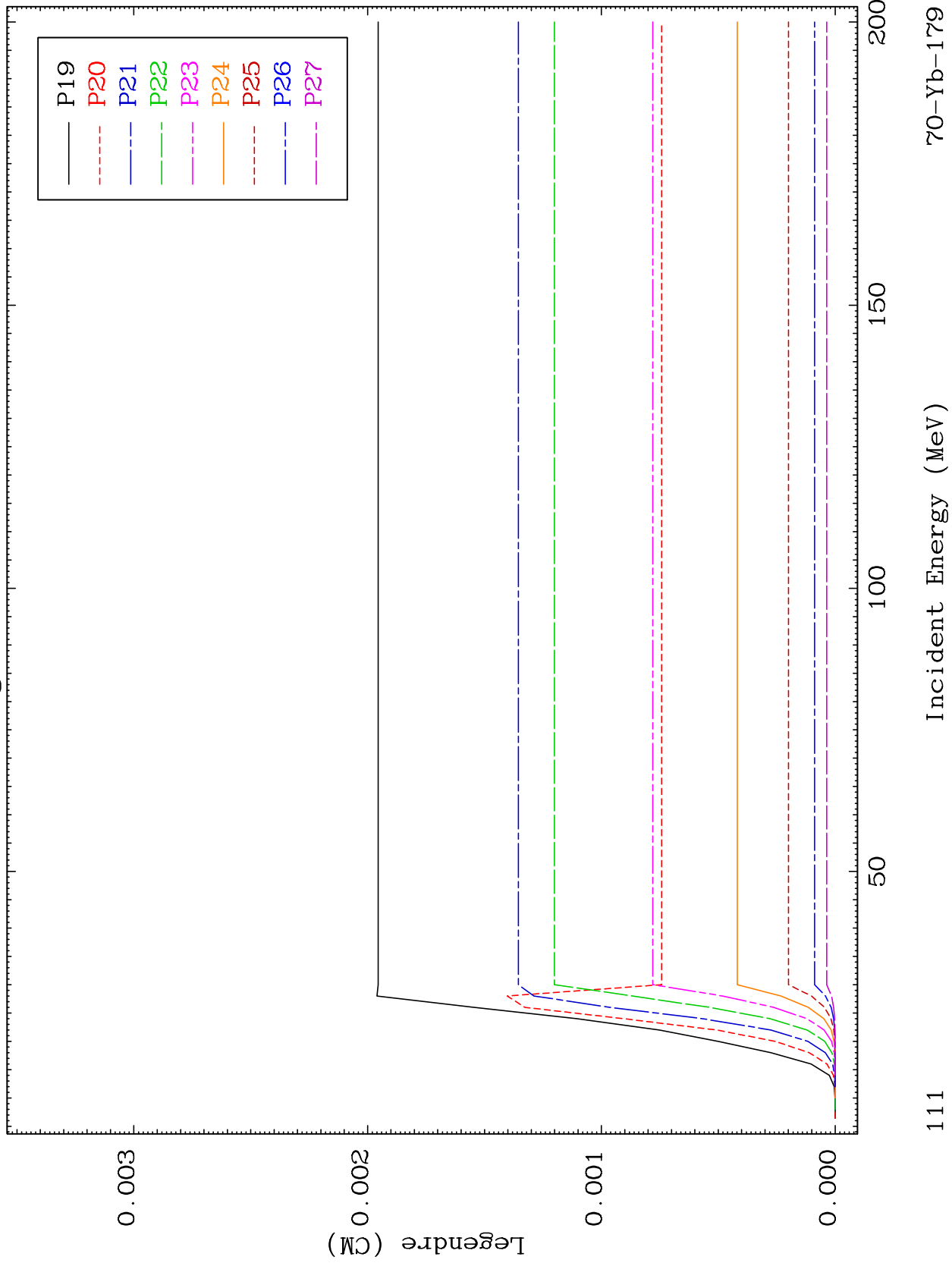




MAT 7058

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

70-Yb-179



111

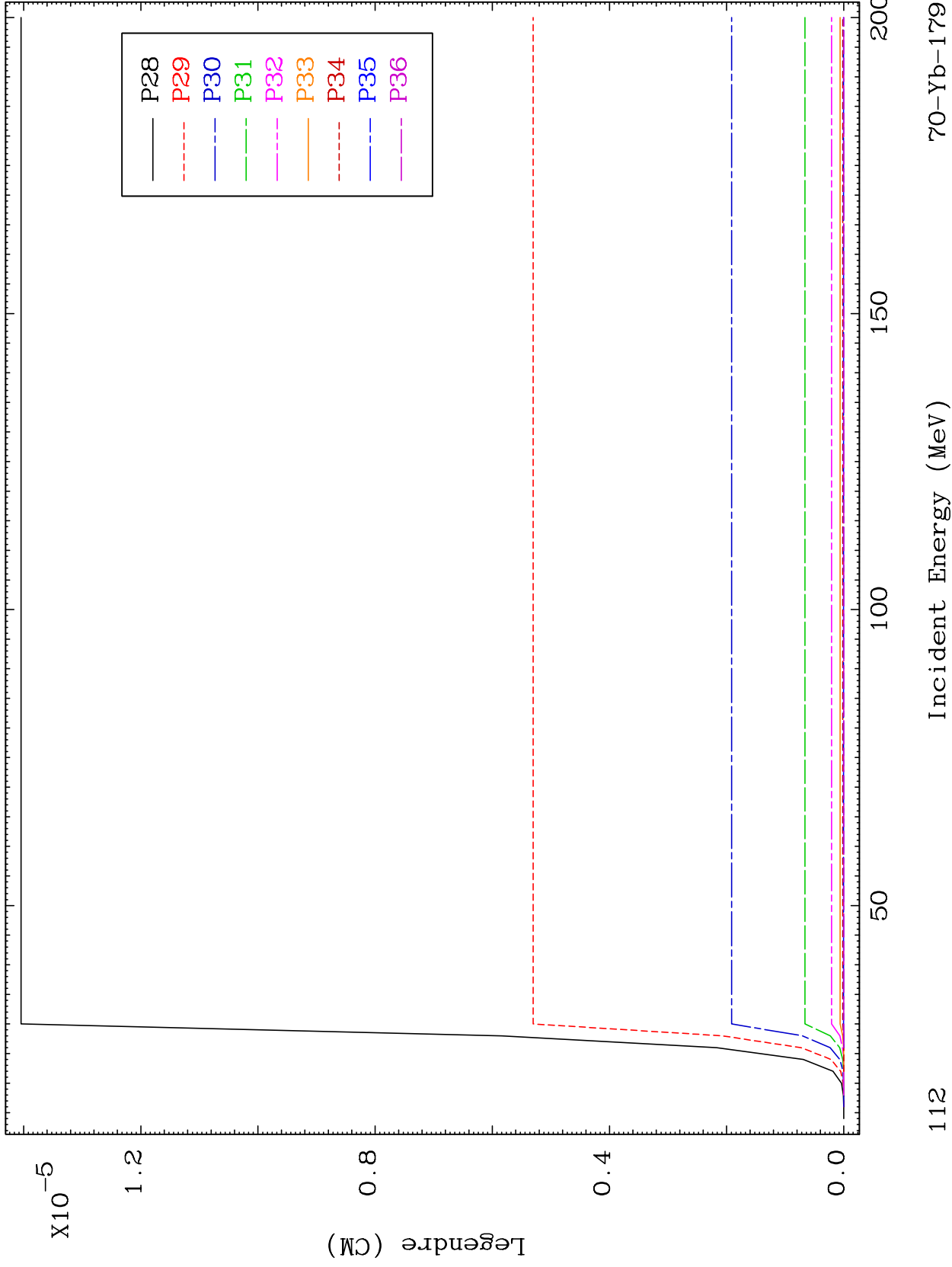
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179

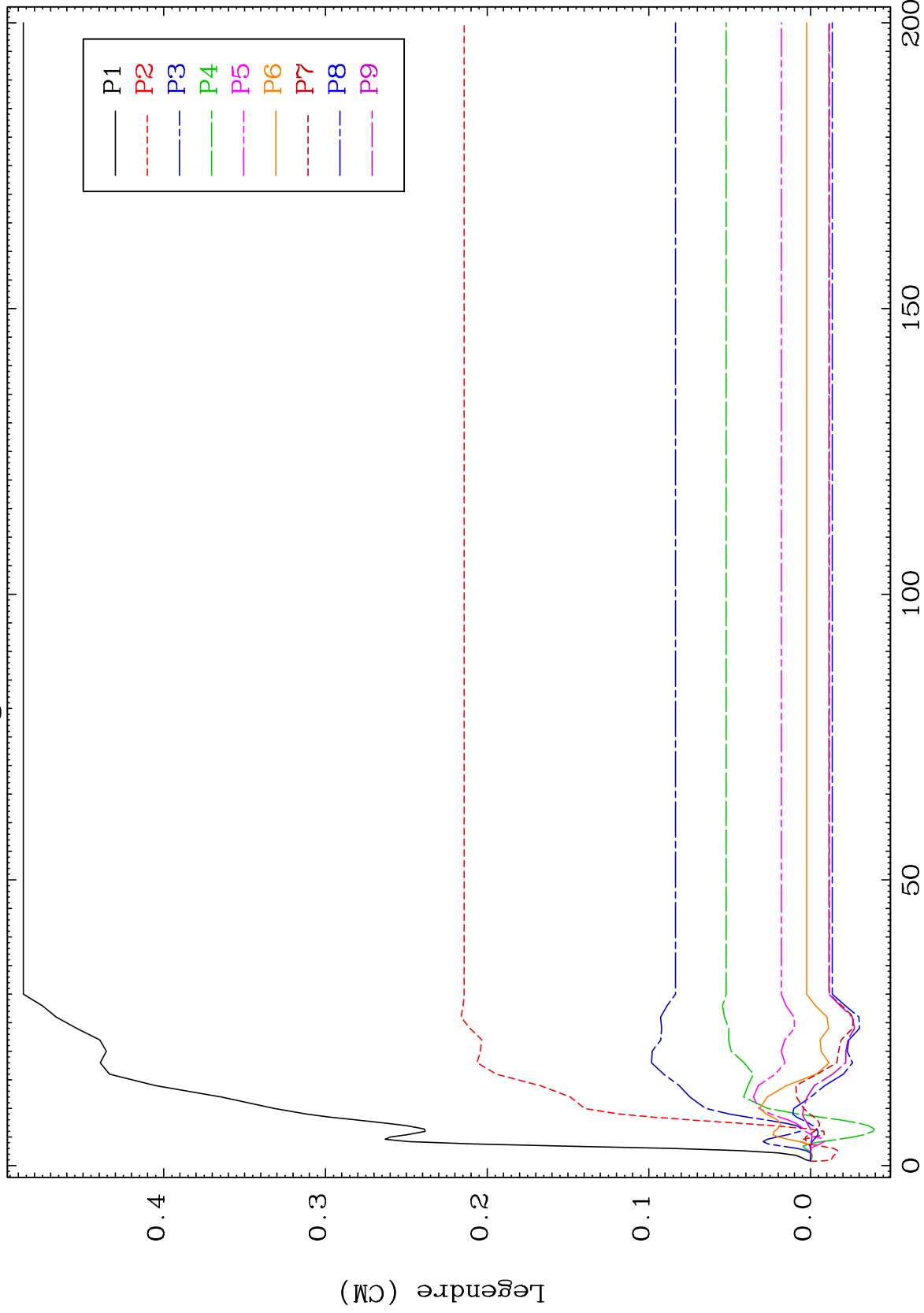


112

MAT 7058

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

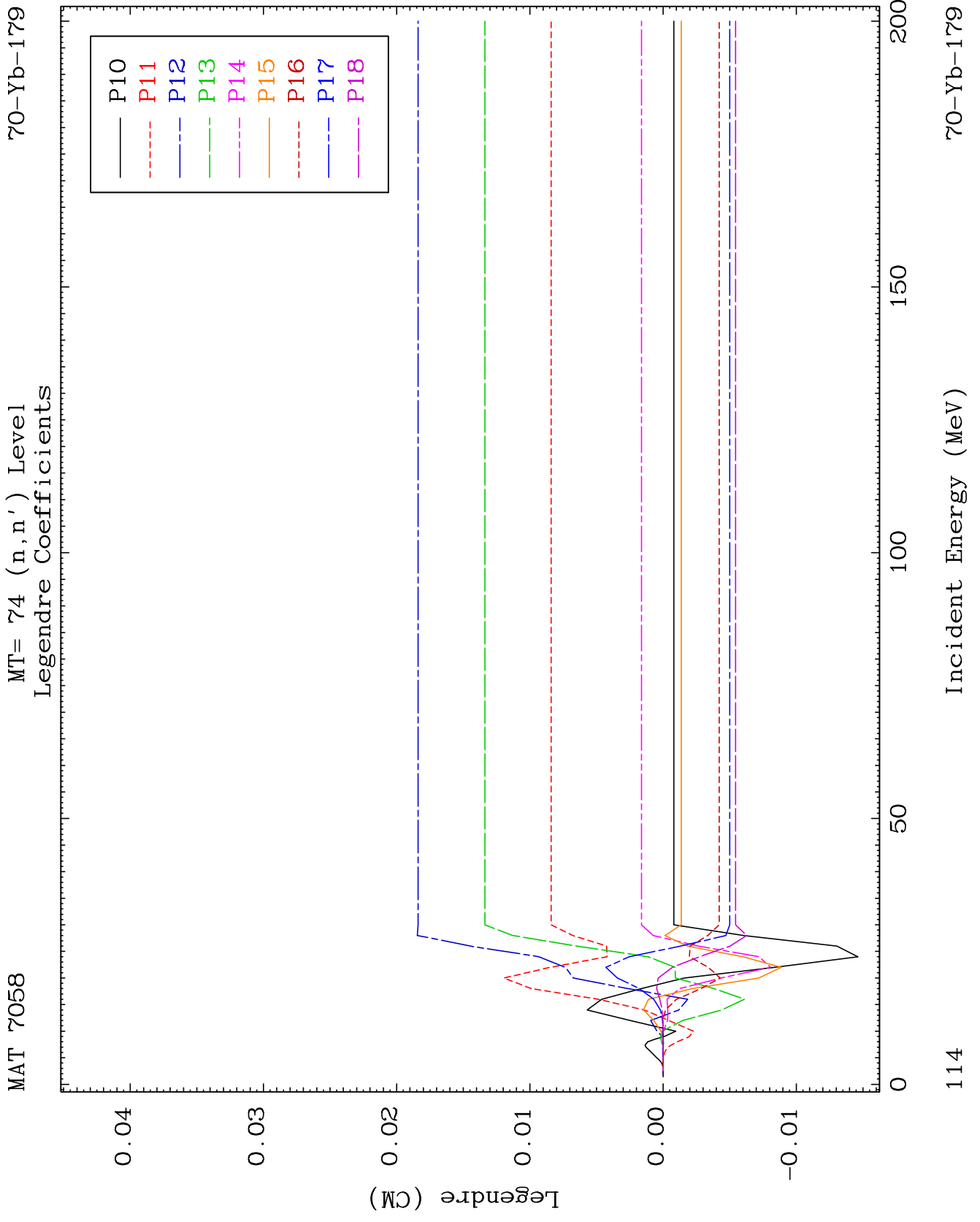
70-Yb-179



113

Incident Energy (MeV)

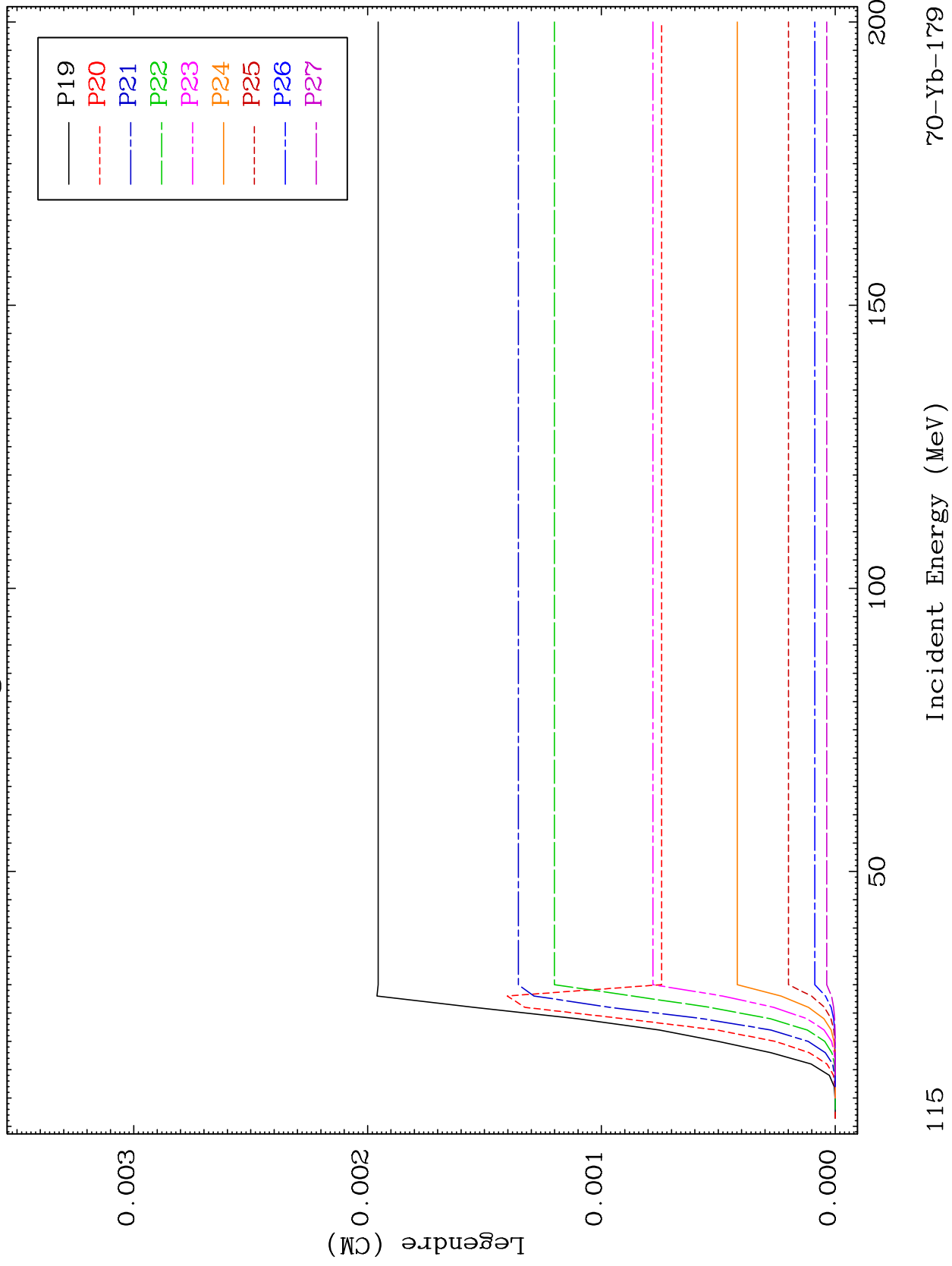
70-Yb-179



MAT 7058

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

70-Yb-179



115

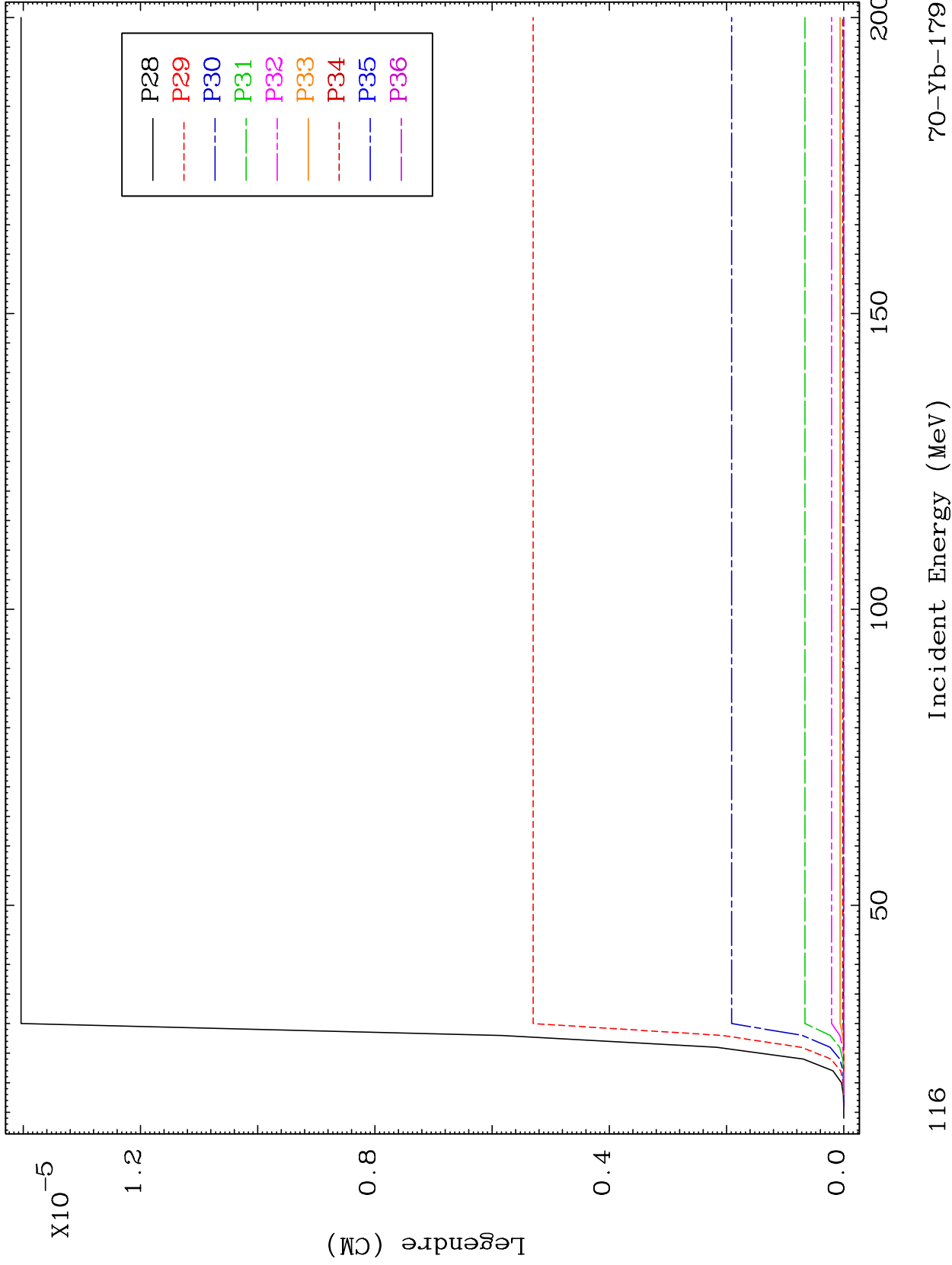
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



116

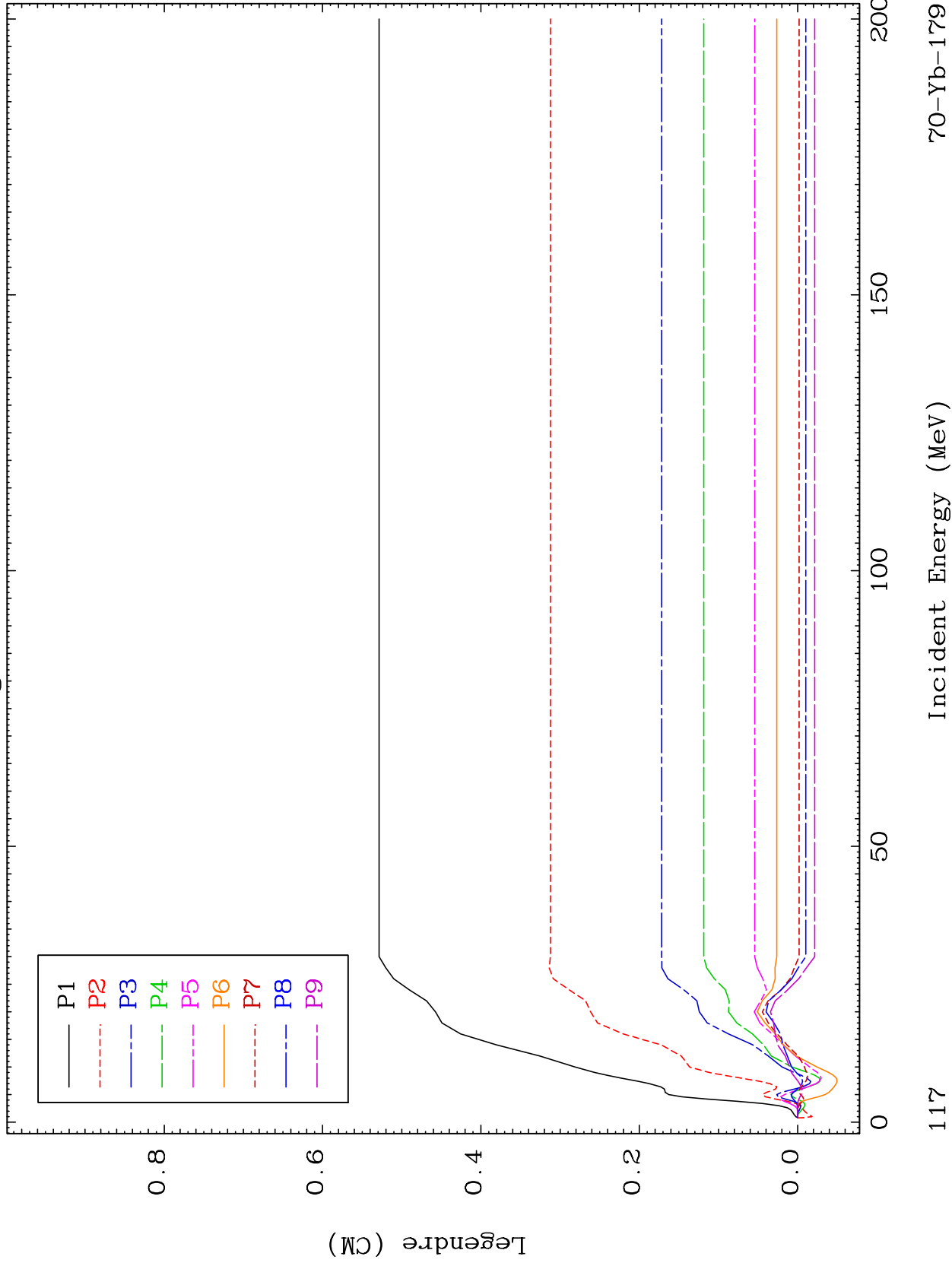
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

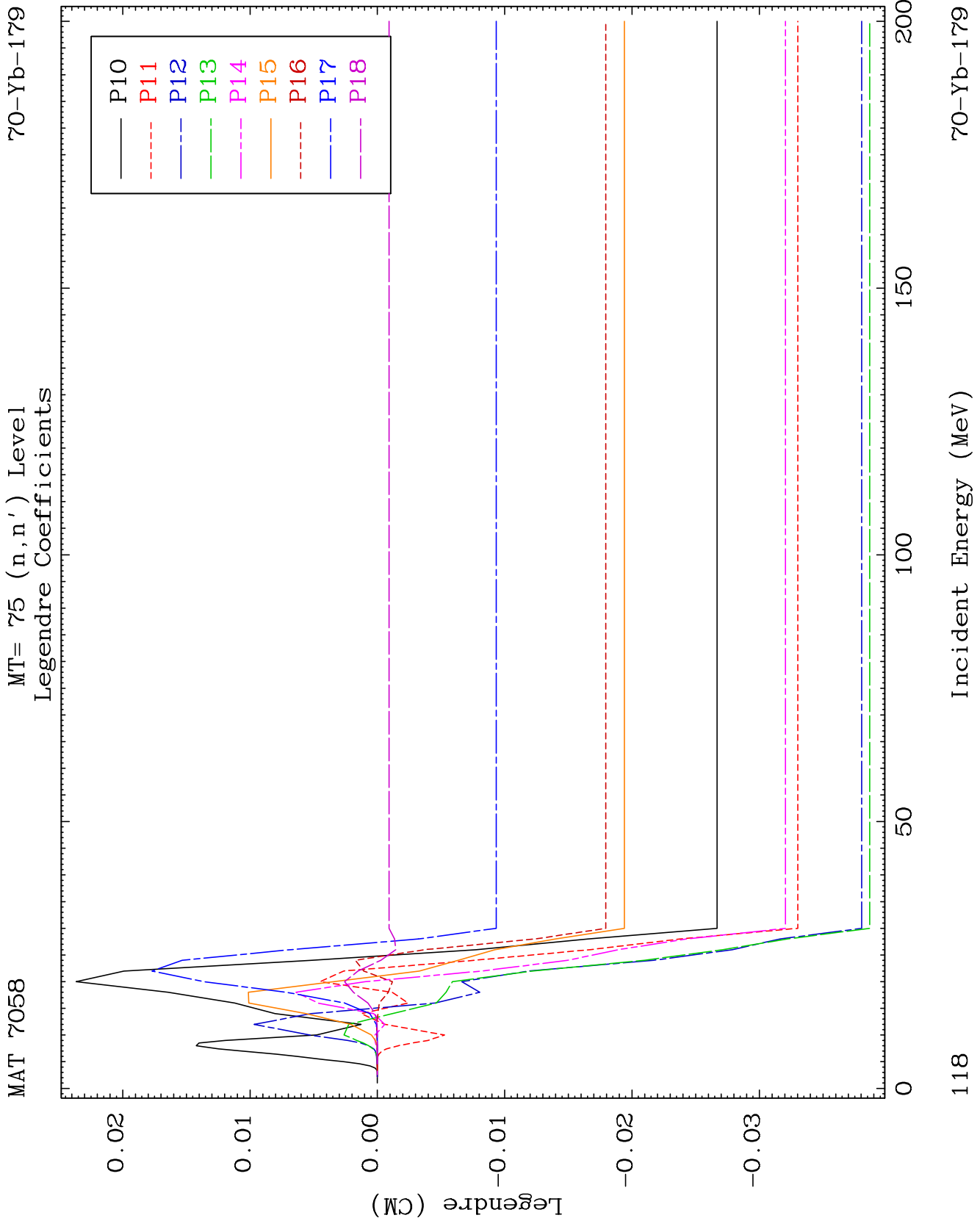
70-Yb-179

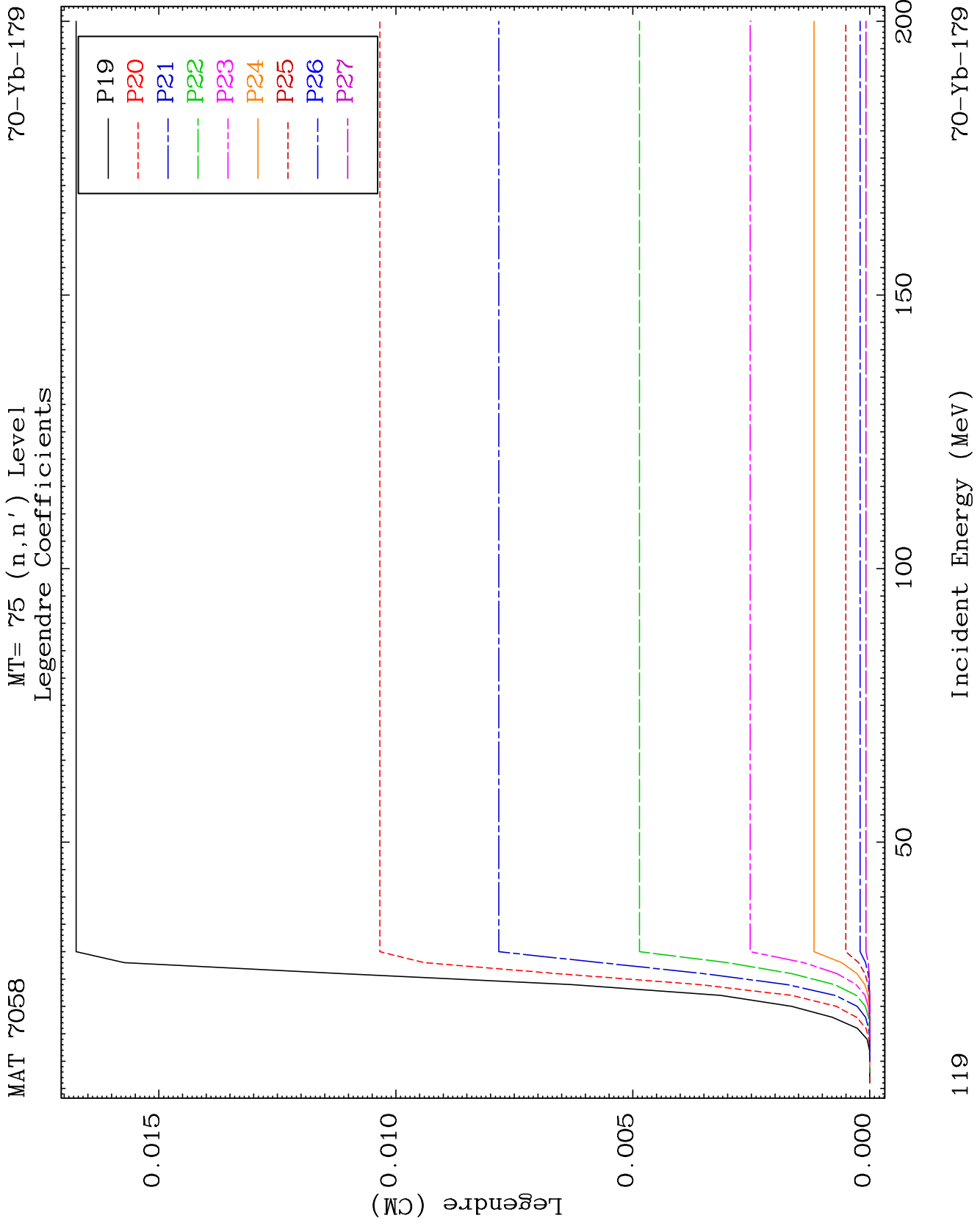


70-Yb-179

Incident Energy (MeV)

117

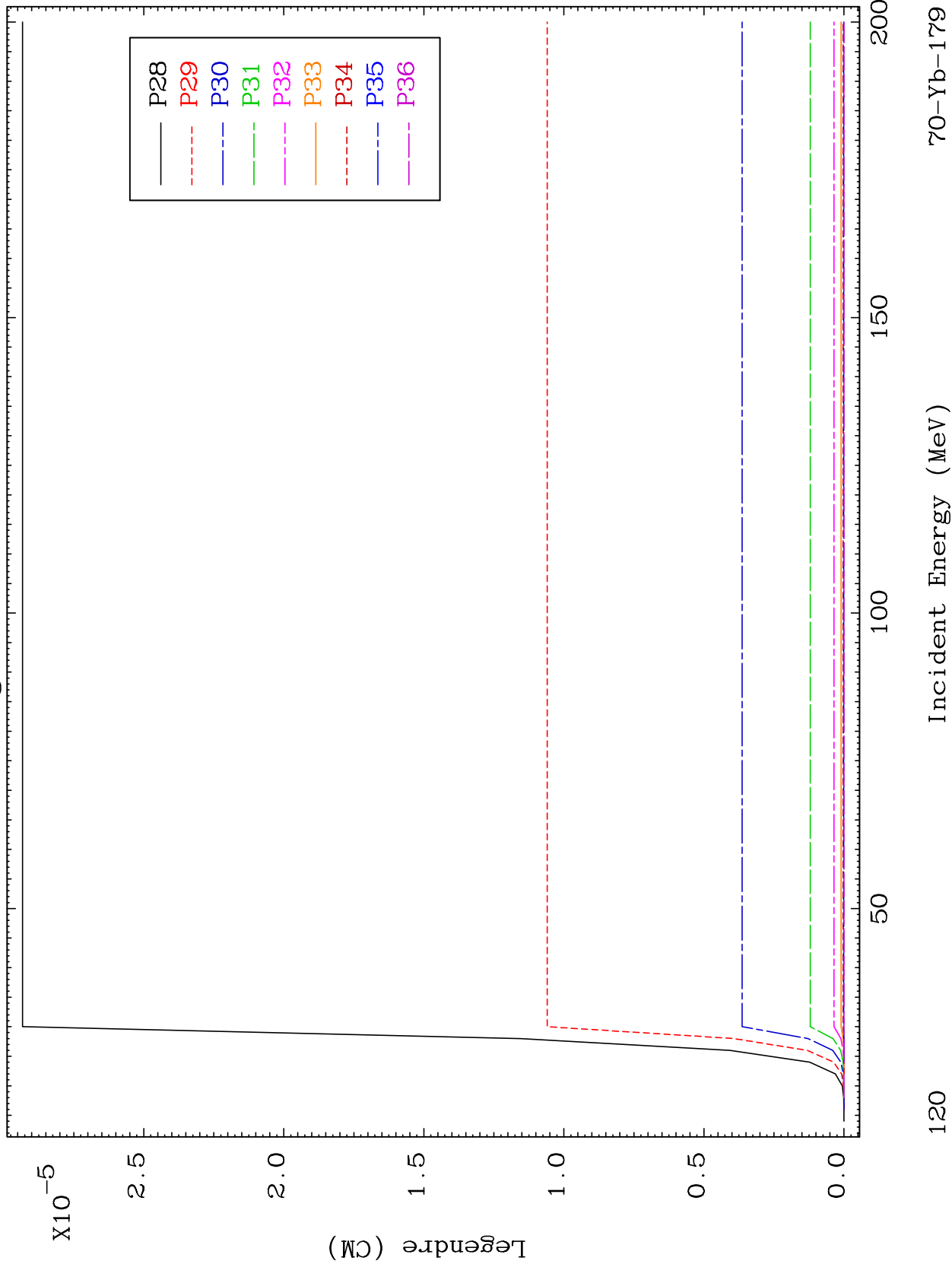




MAT 7058

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

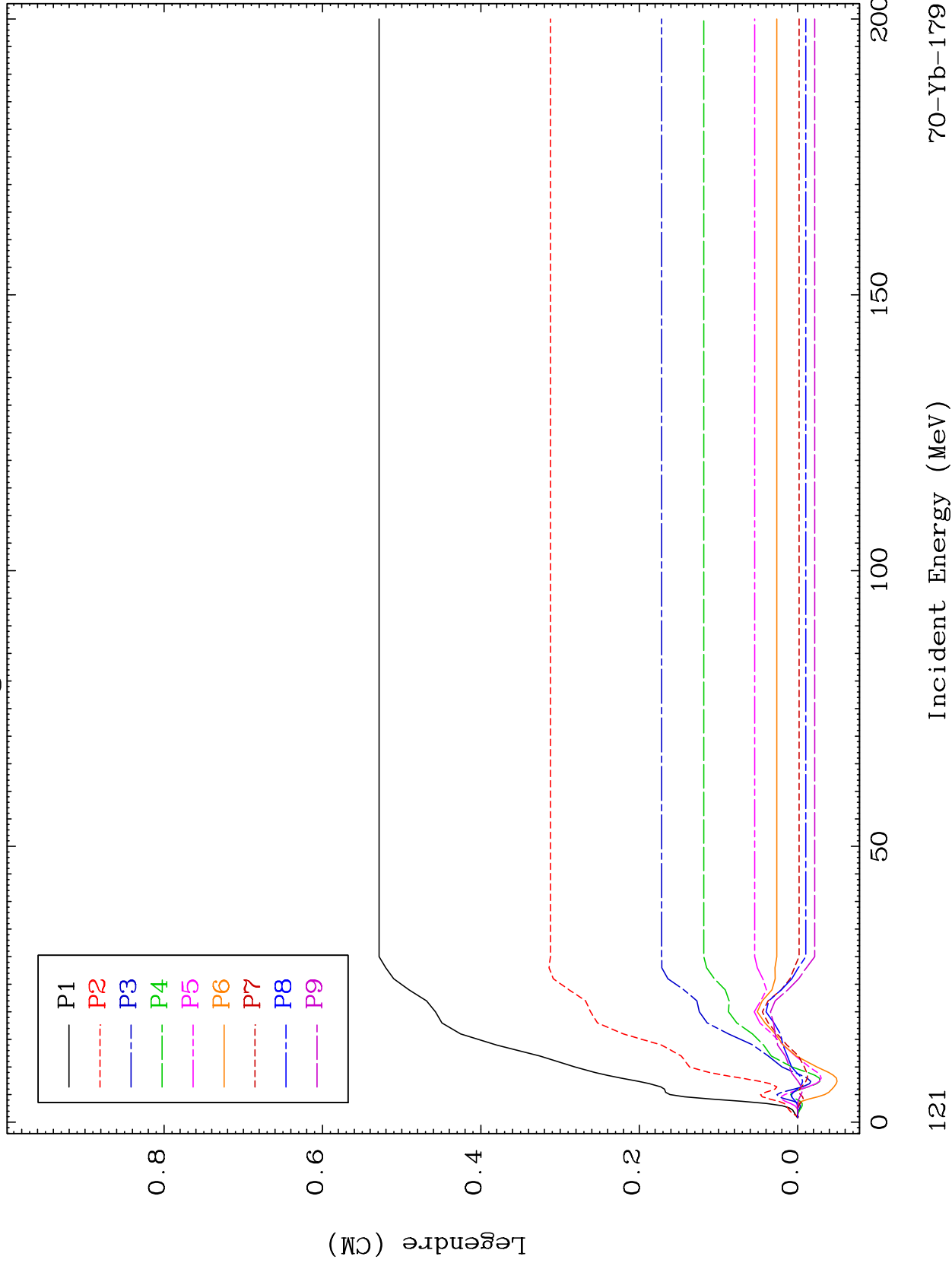
70-Yb-179



MAT 7058

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

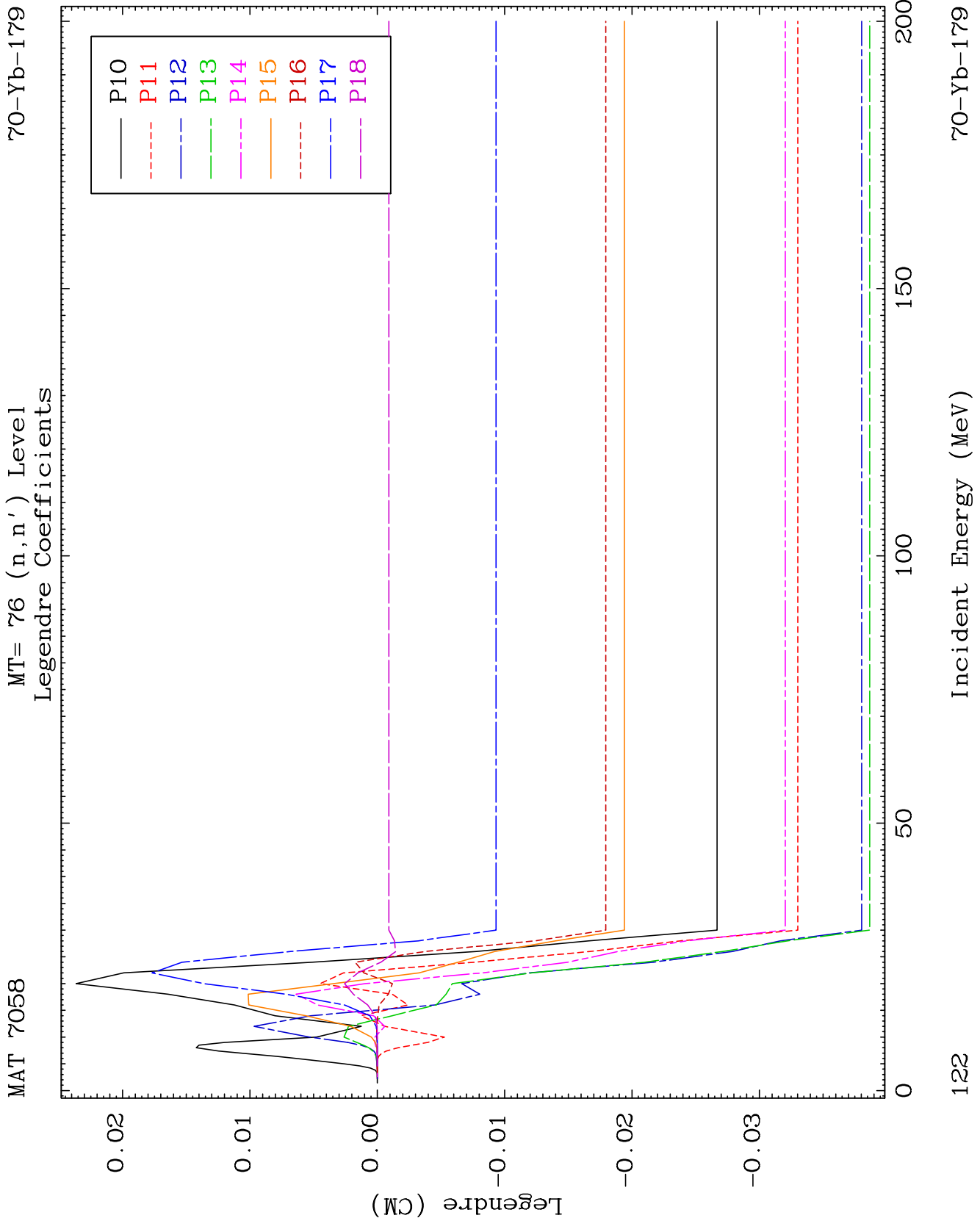
70-Yb-179



121

Incident Energy (MeV)

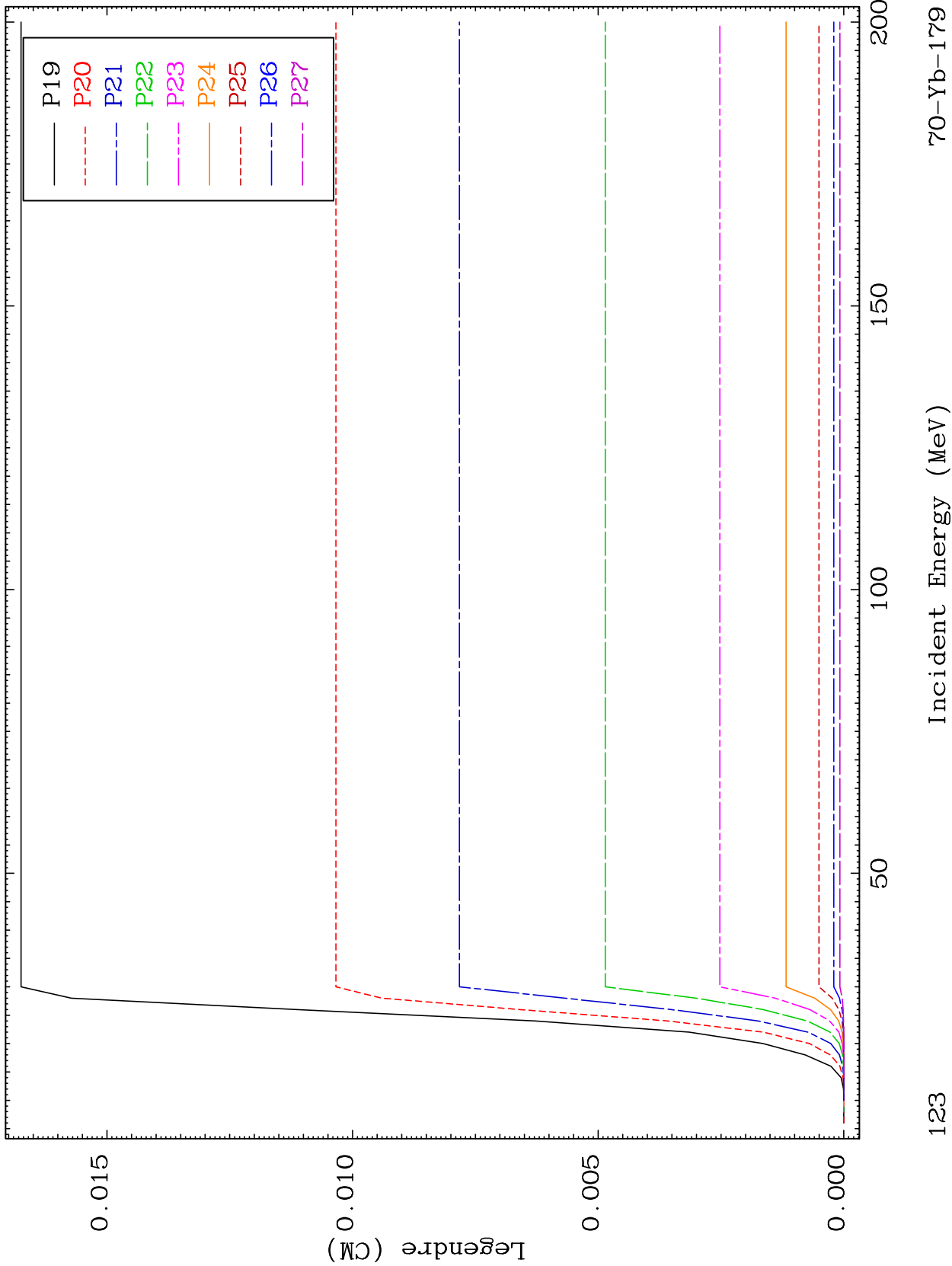
70-Yb-179



MAT 7058

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

70-Yb-179



123

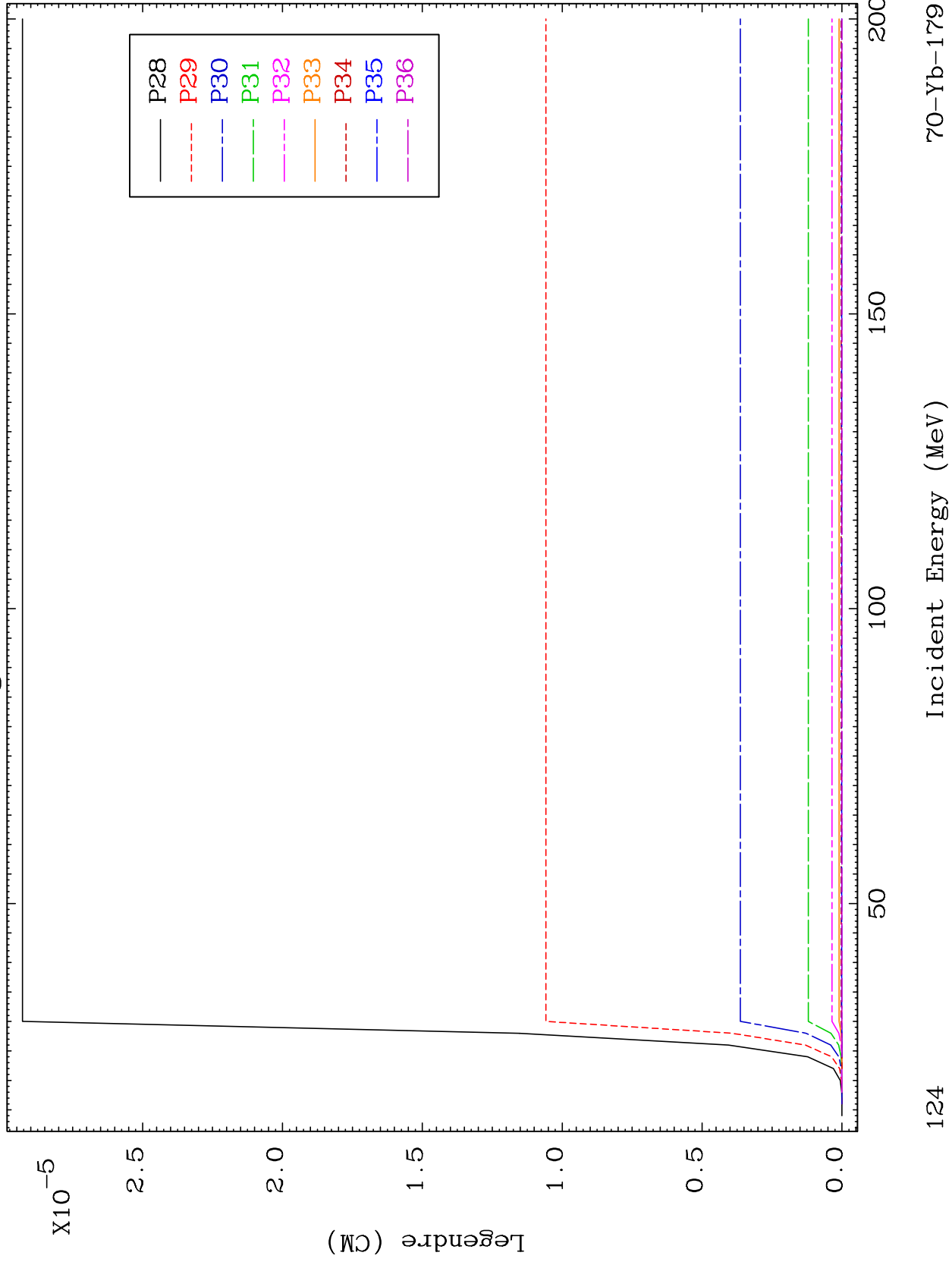
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179

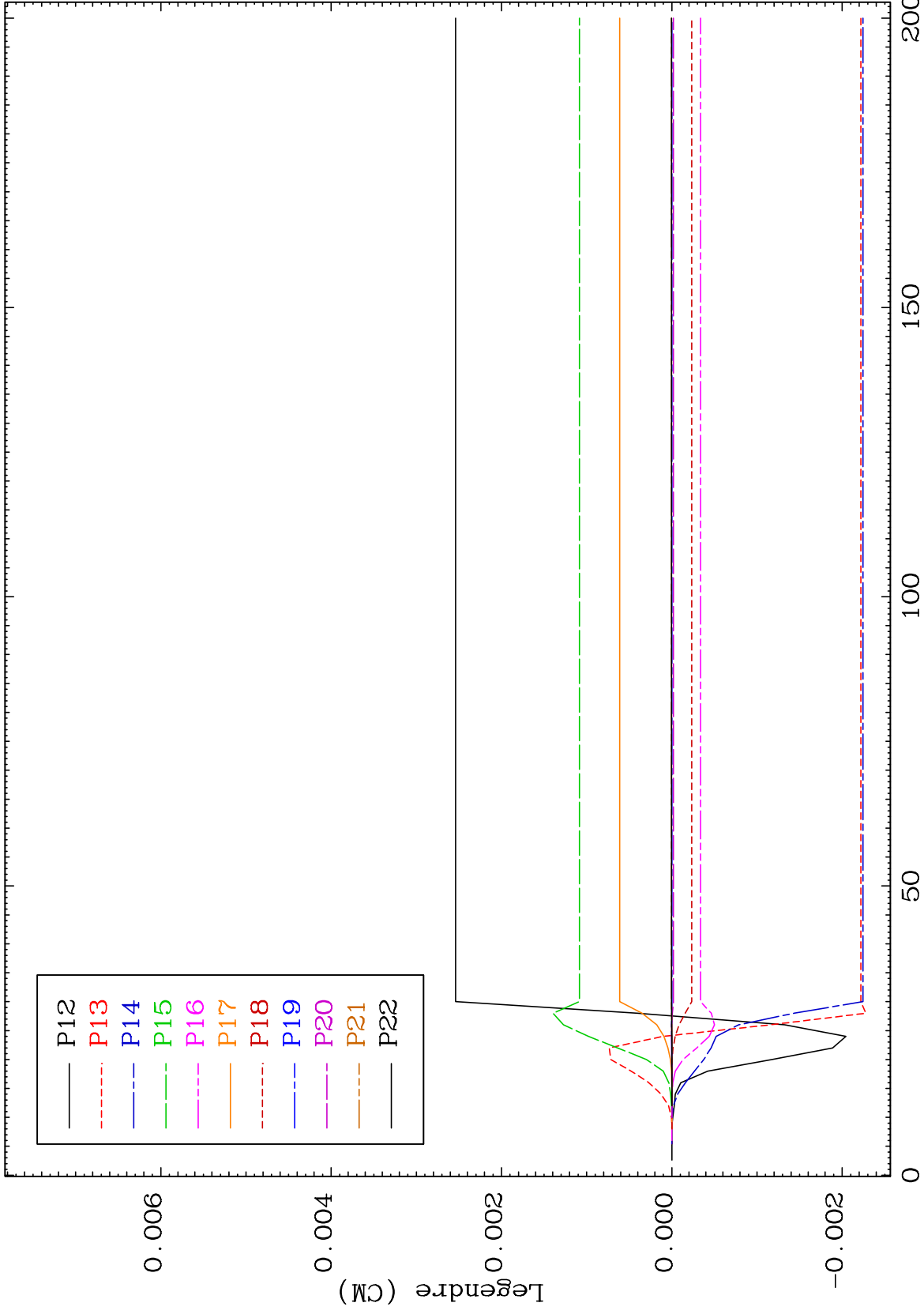


124

MAT 7058

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

70-Yb-179



126

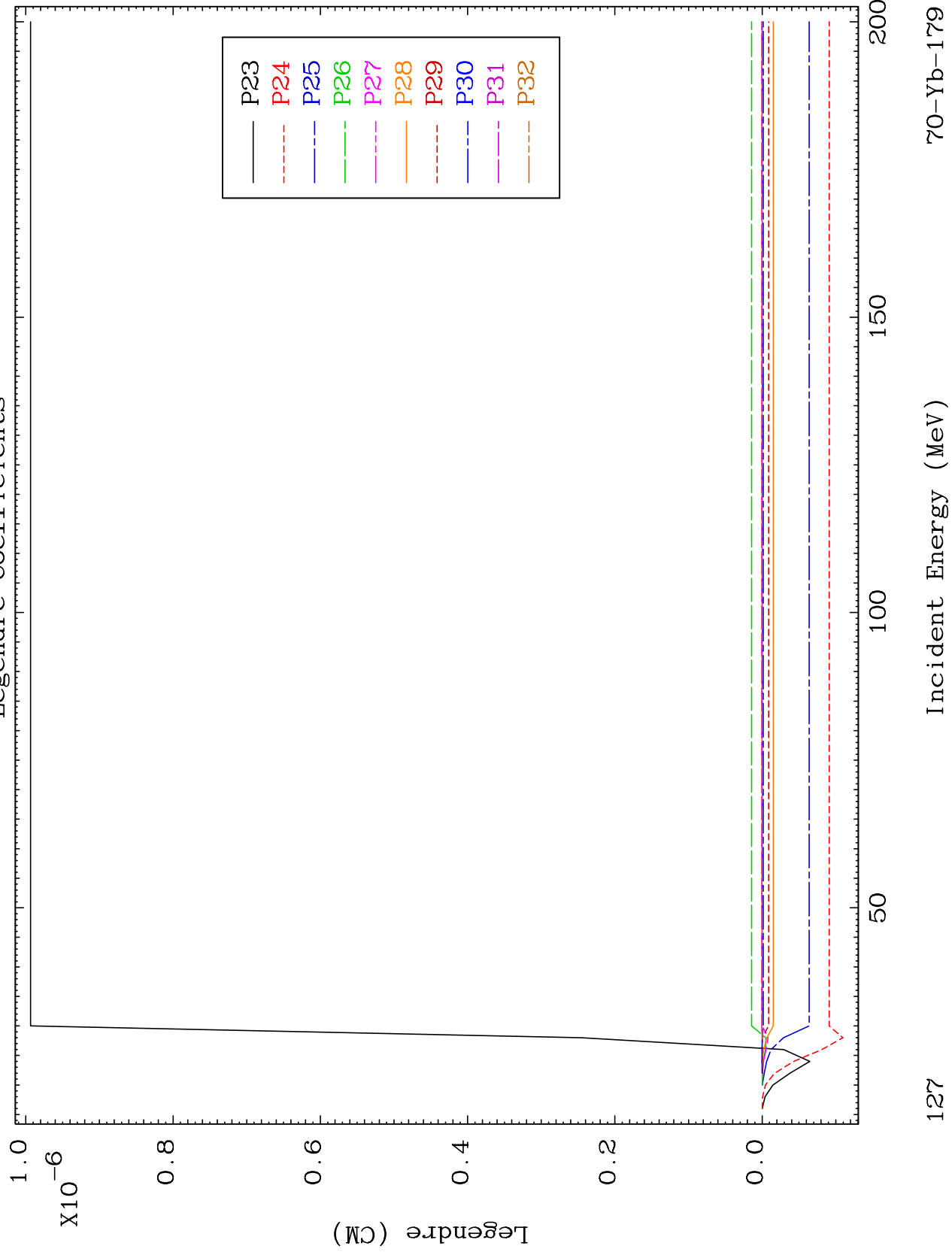
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



127

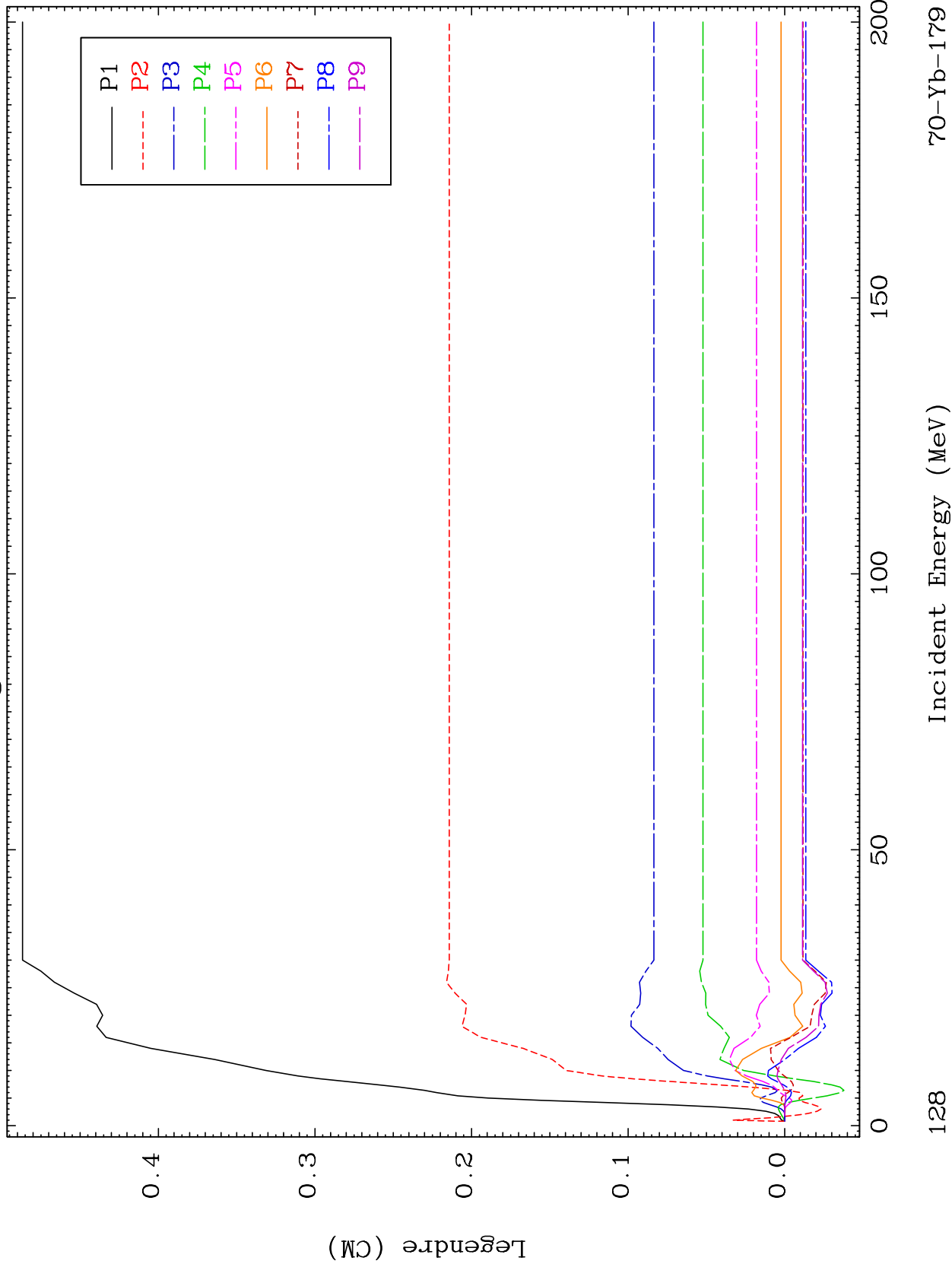
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

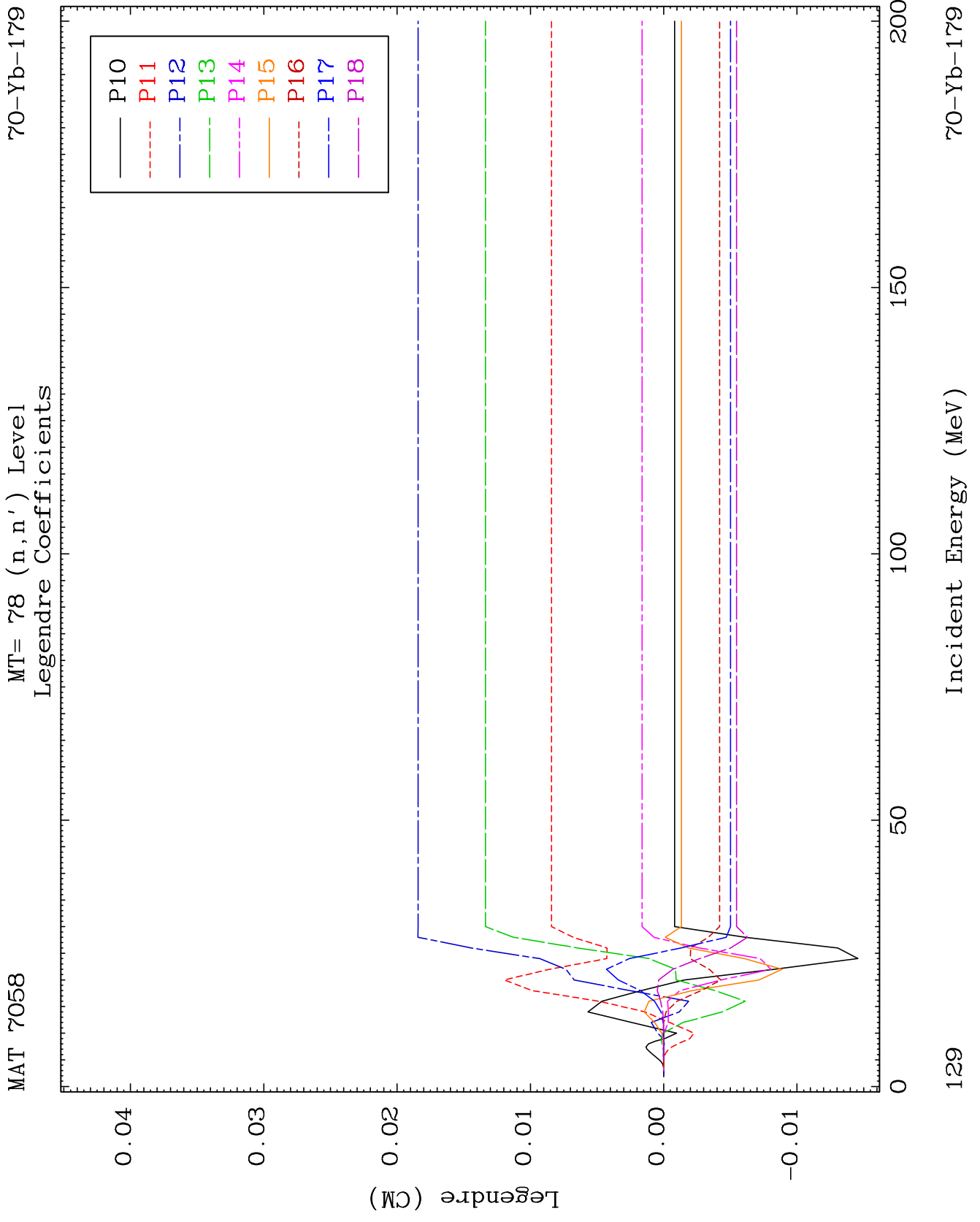
70-Yb-179



128

Incident Energy (MeV)

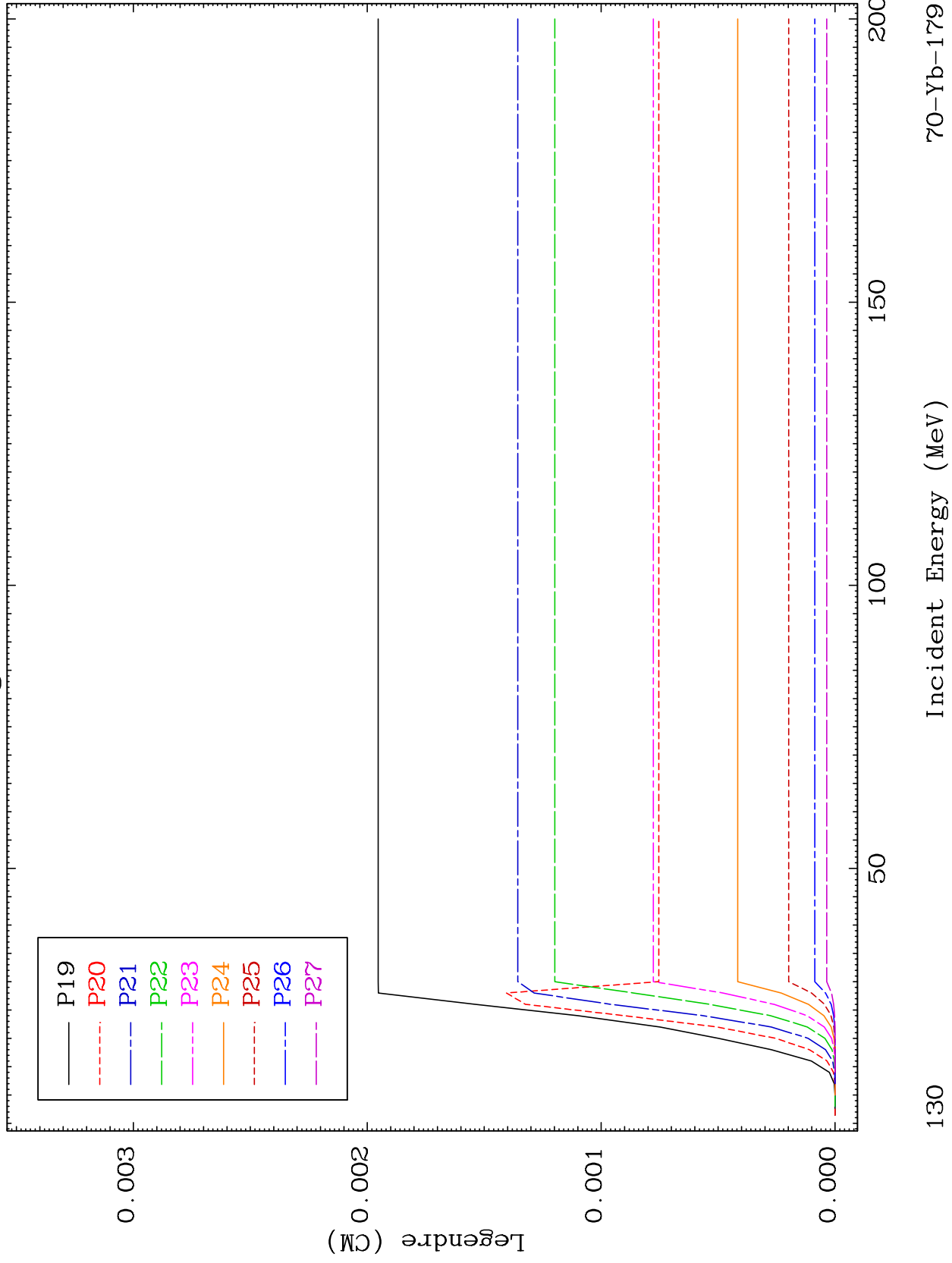
70-Yb-179



MAT 7058

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

70-Yb-179



130

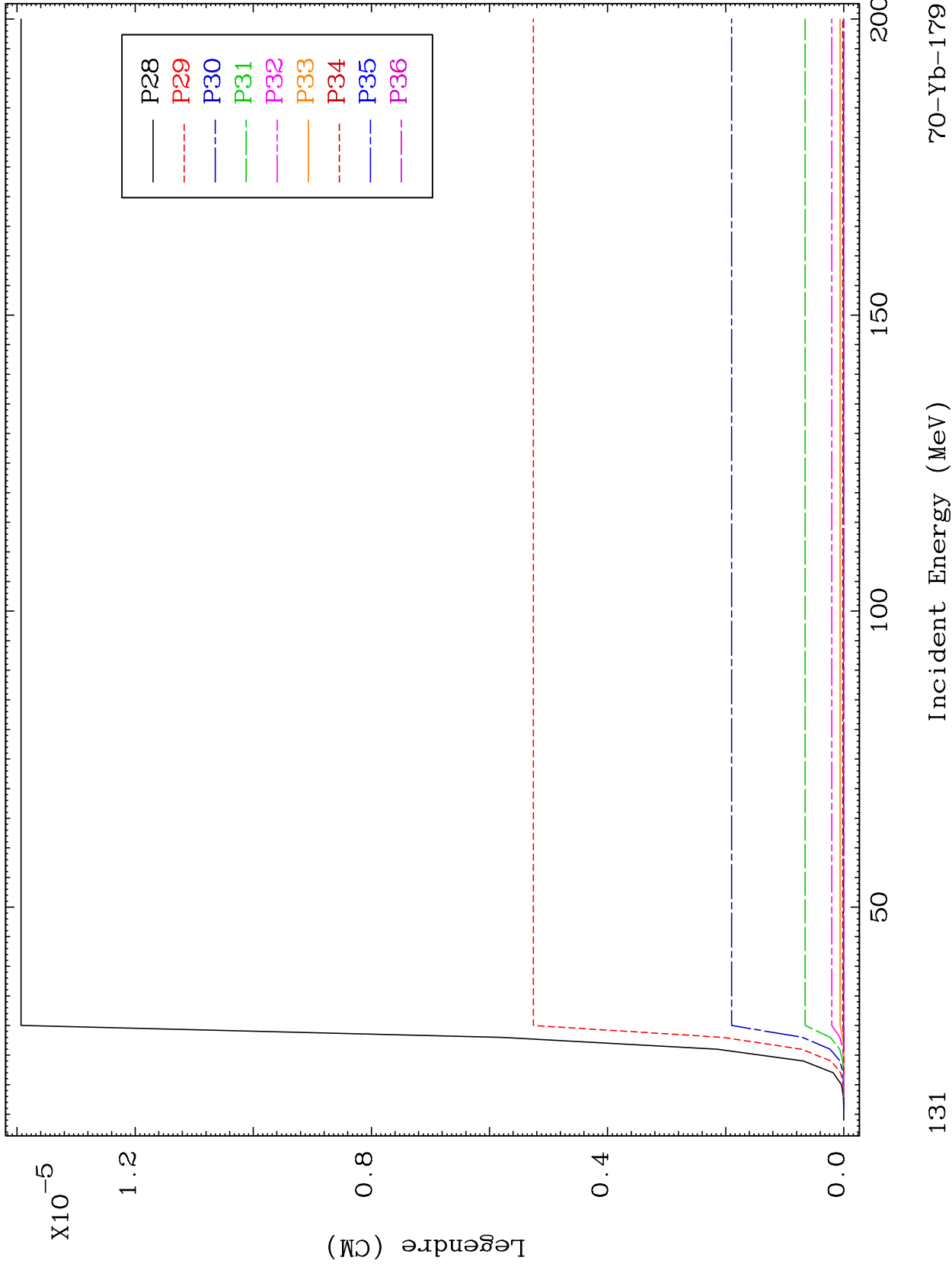
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



131

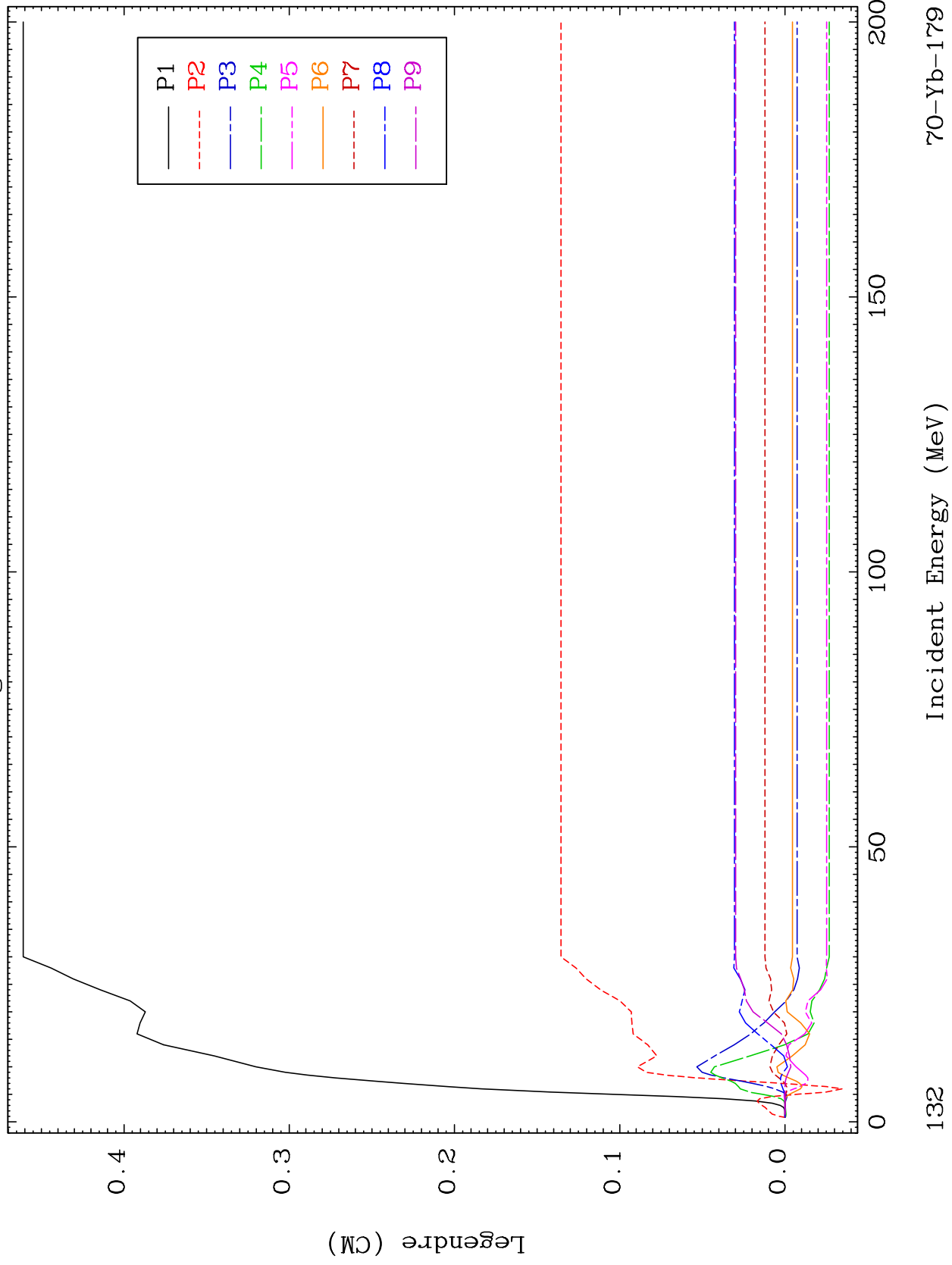
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



70-Yb-179

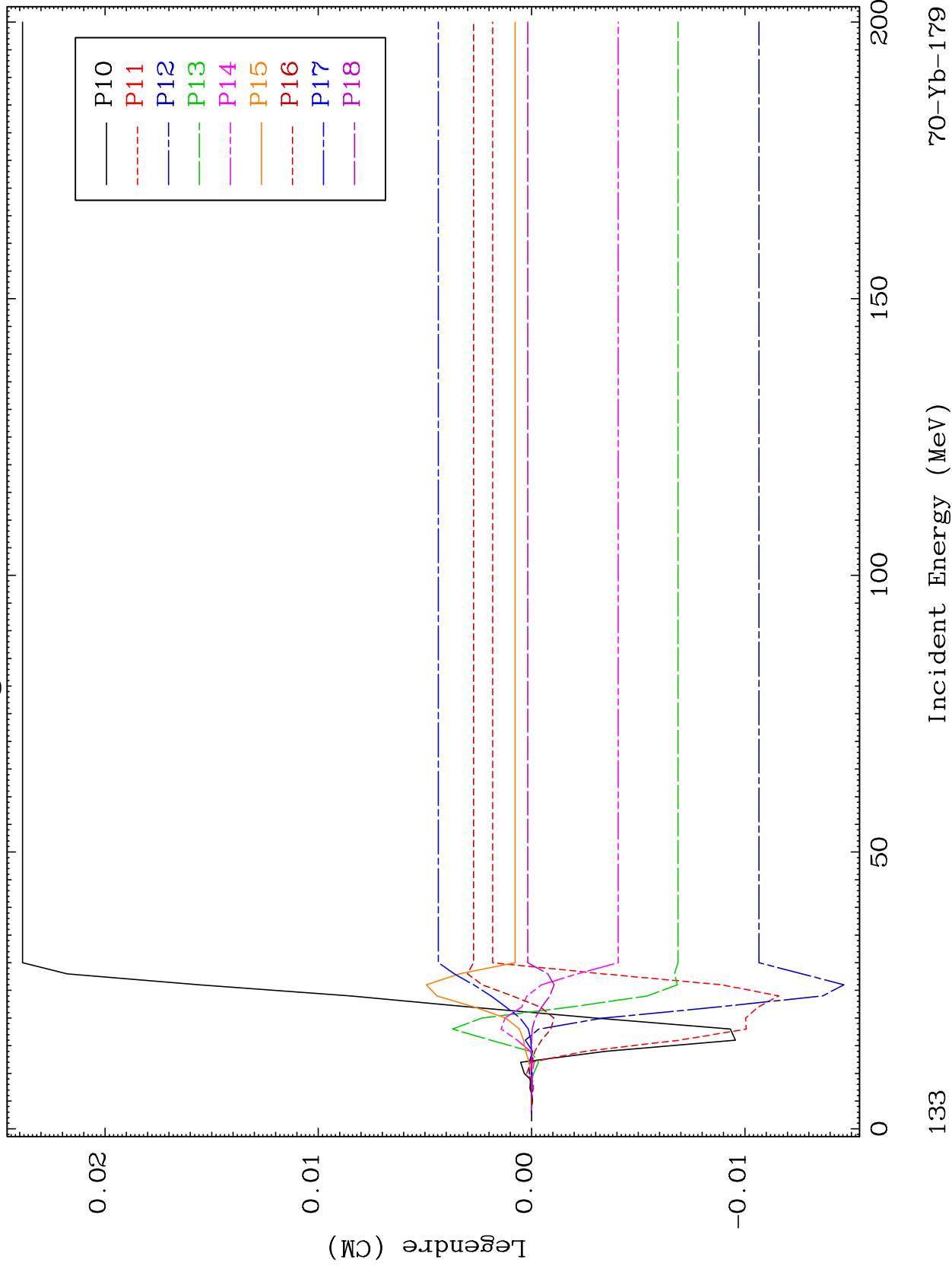
Incident Energy (MeV)

132

MAT 7058

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

70-Yb-179



133

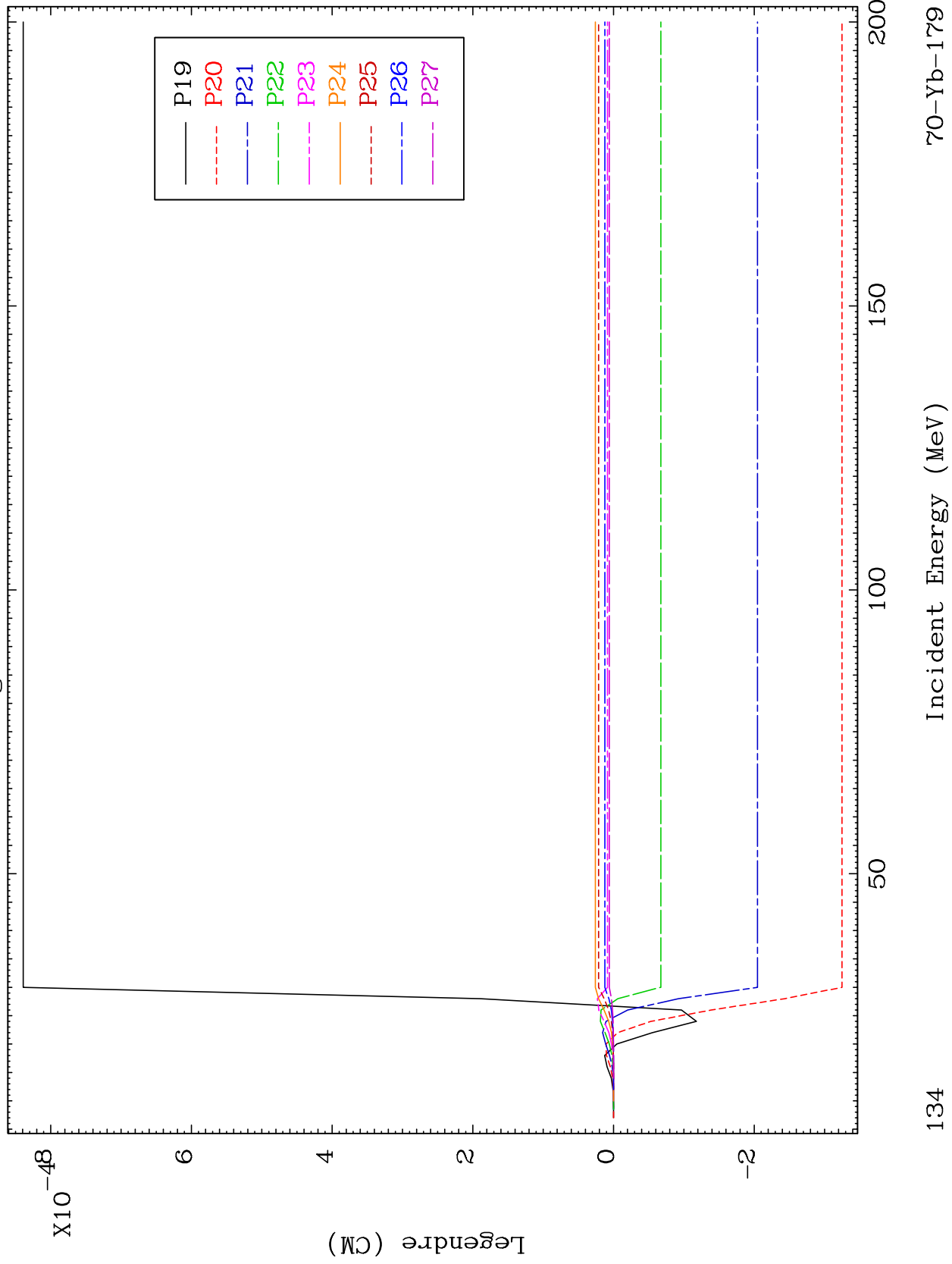
Incident Energy (MeV)

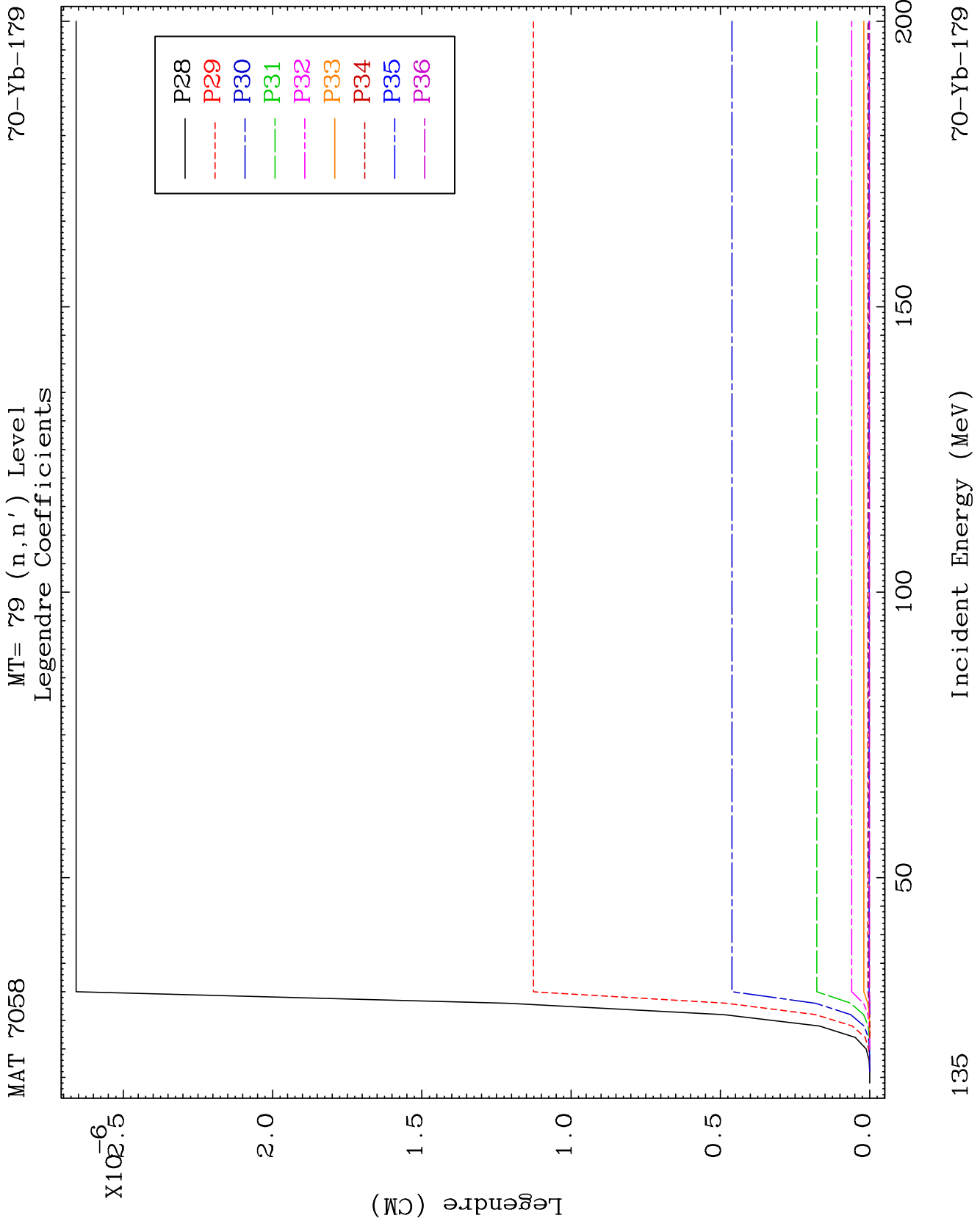
70-Yb-179

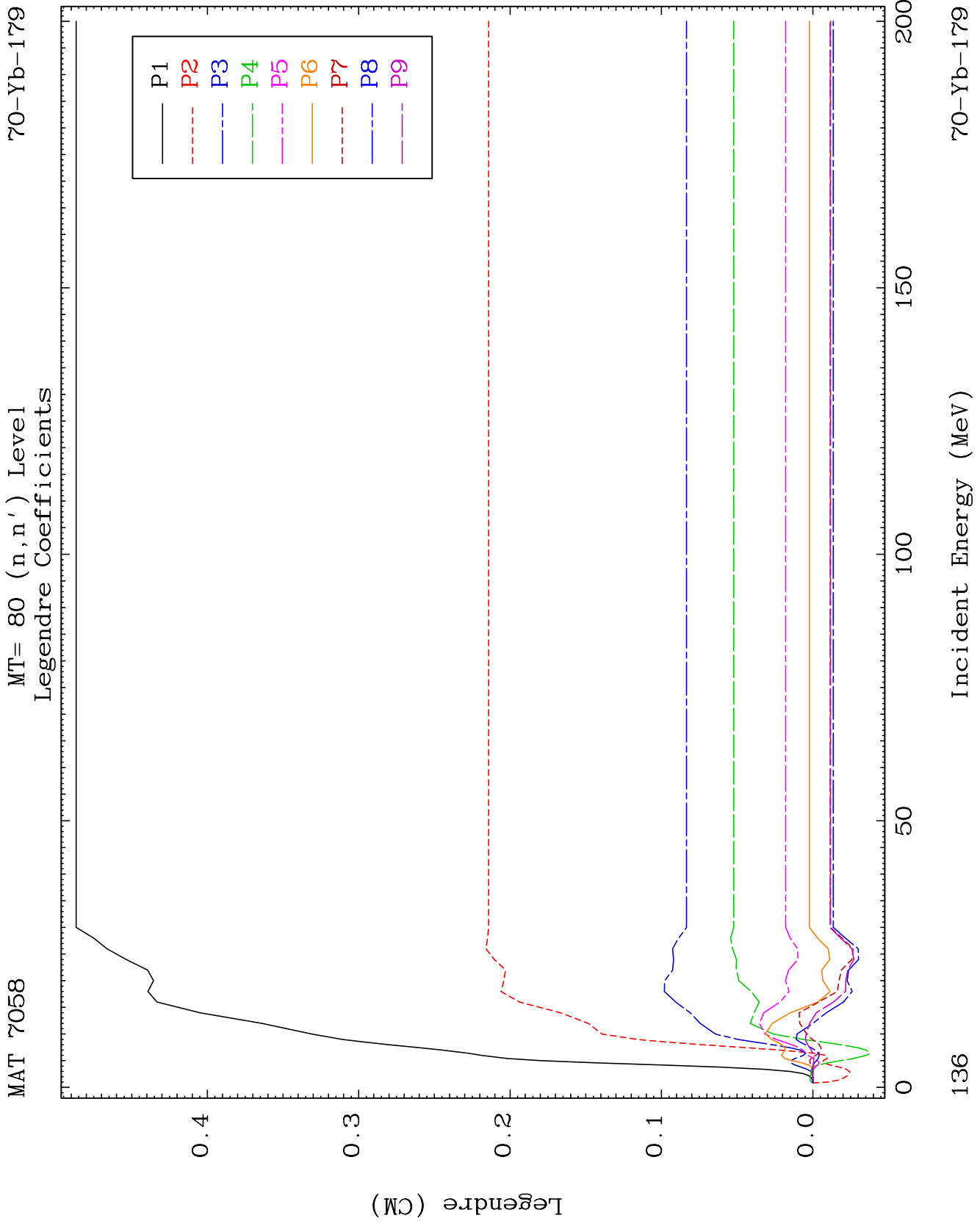
MAT 7058

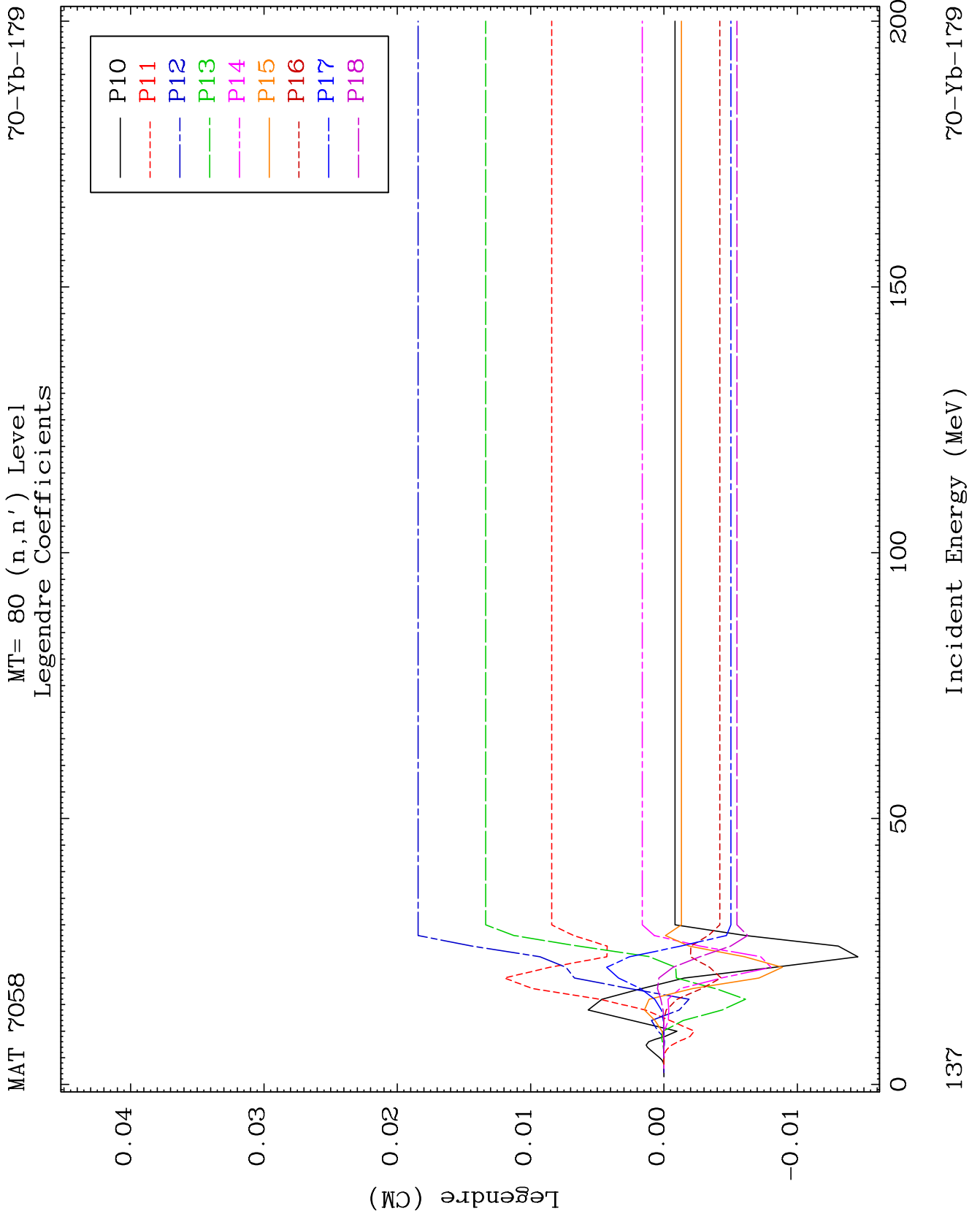
MT= 79 (n,n') Level
Legendre Coefficients

70-Yb-179





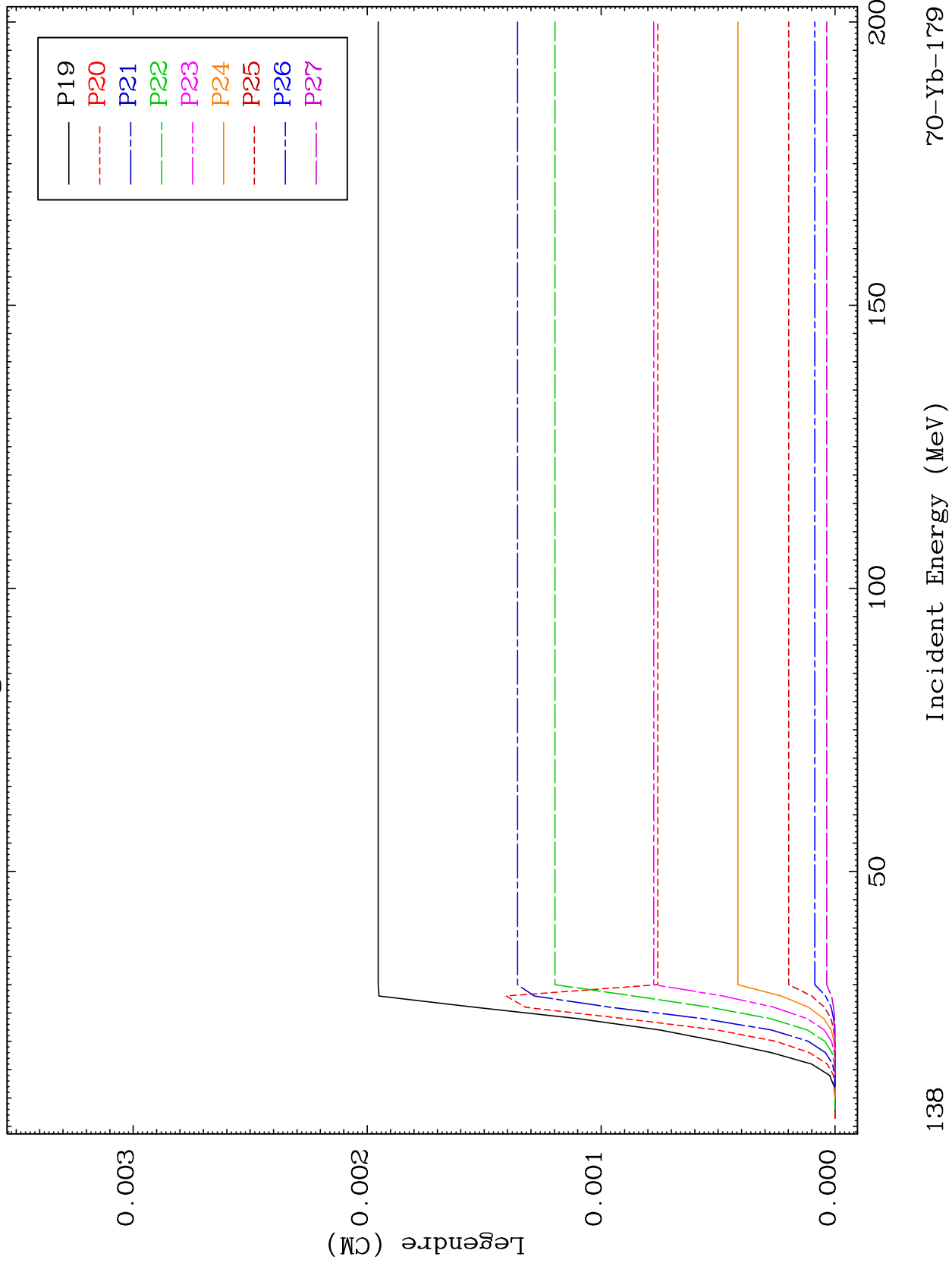




MAT 7058

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

70-Yb-179



138

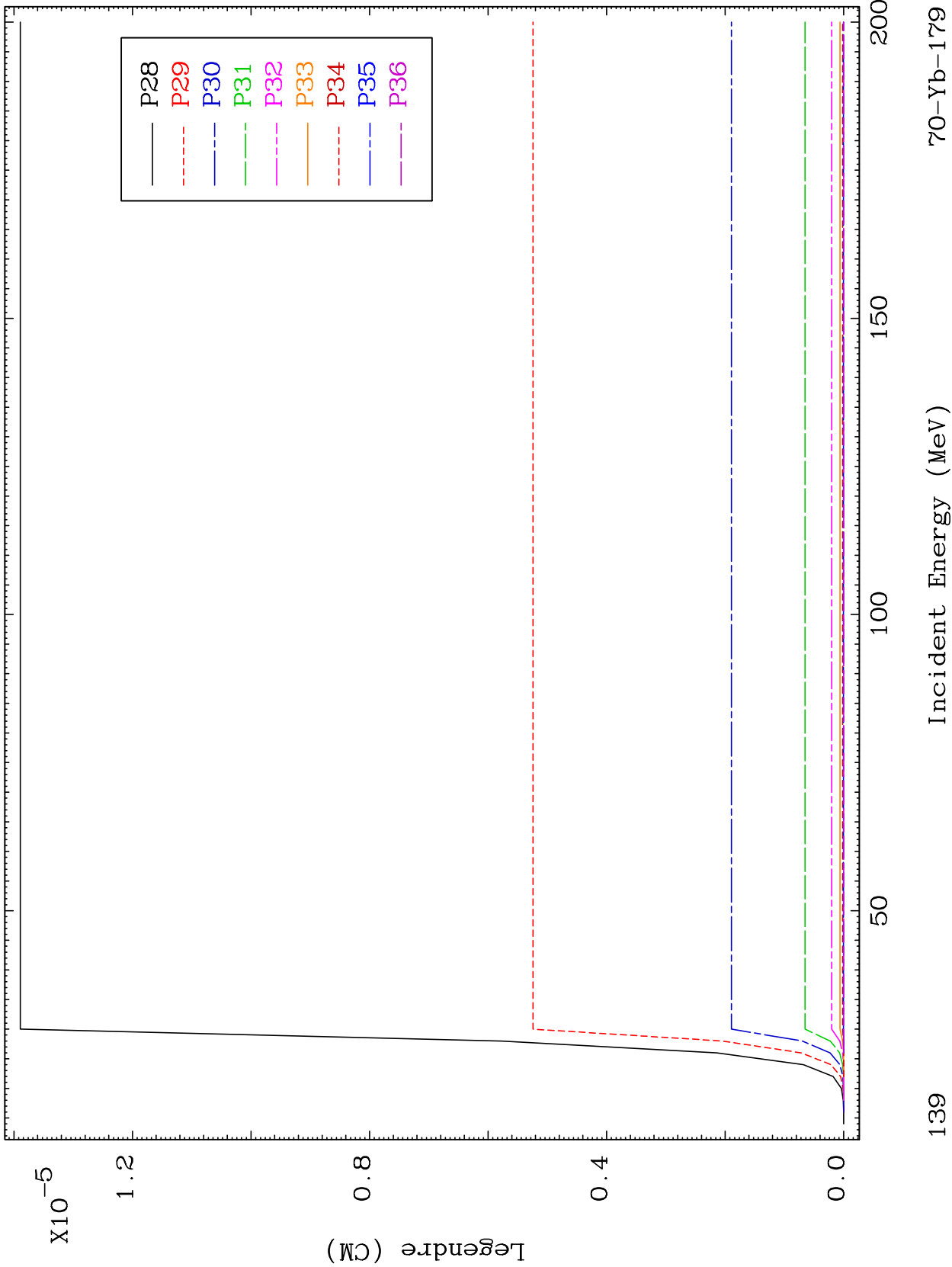
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

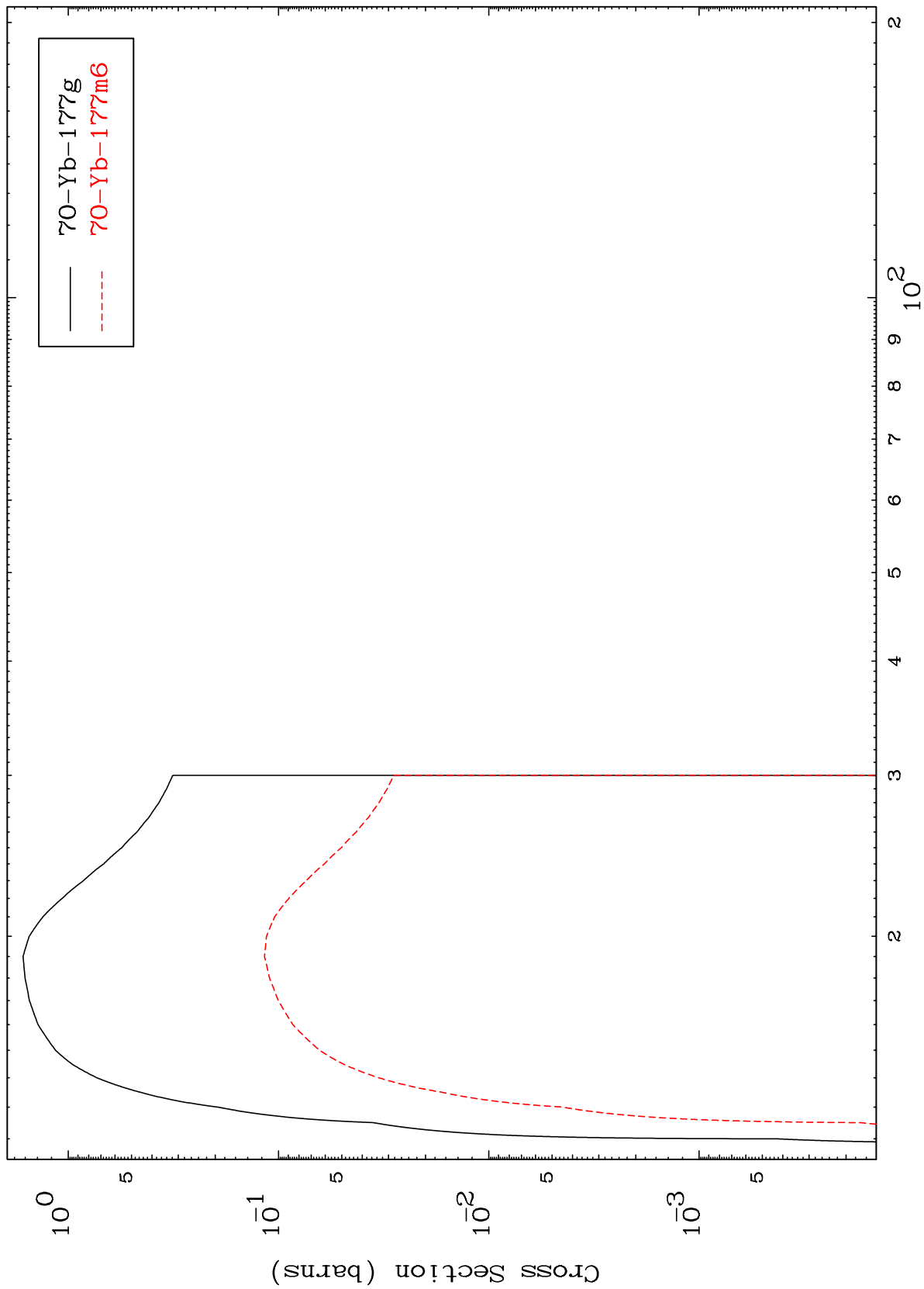
70-Yb-179



MAT 7058

70-Yb-179

(n,3n)
Radionuclide Production Cross Section



70-Yb-179

Incident Energy (MeV)

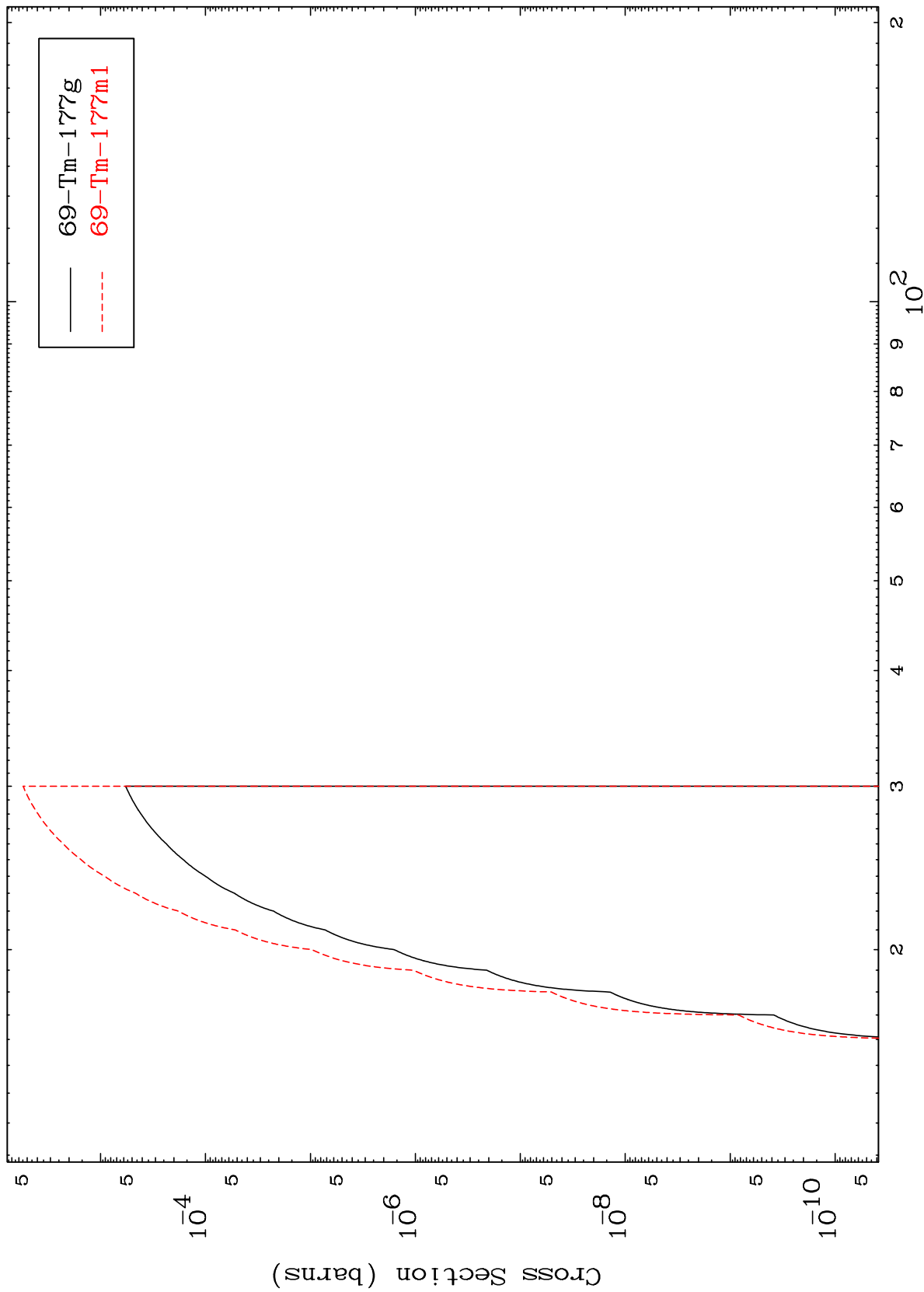
140

MAT 7058

(n,n') d

70-Yb-179

Radionuclide Production Cross Section



141

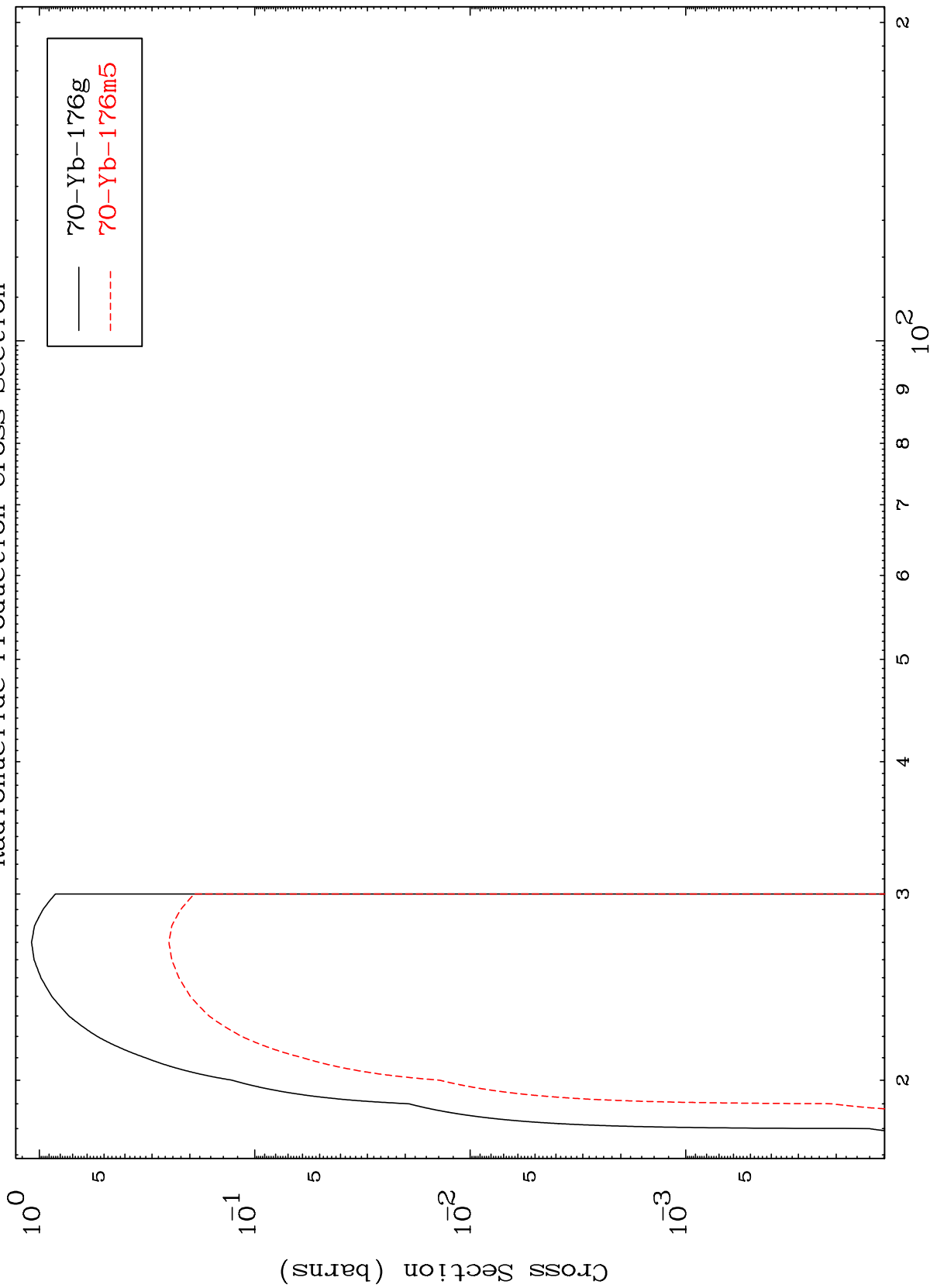
Incident Energy (MeV)

70-Yb-179

MAT 7058

70-Yb-179

(n,4n)
Radionuclide Production Cross Section



142

Incident Energy (MeV)

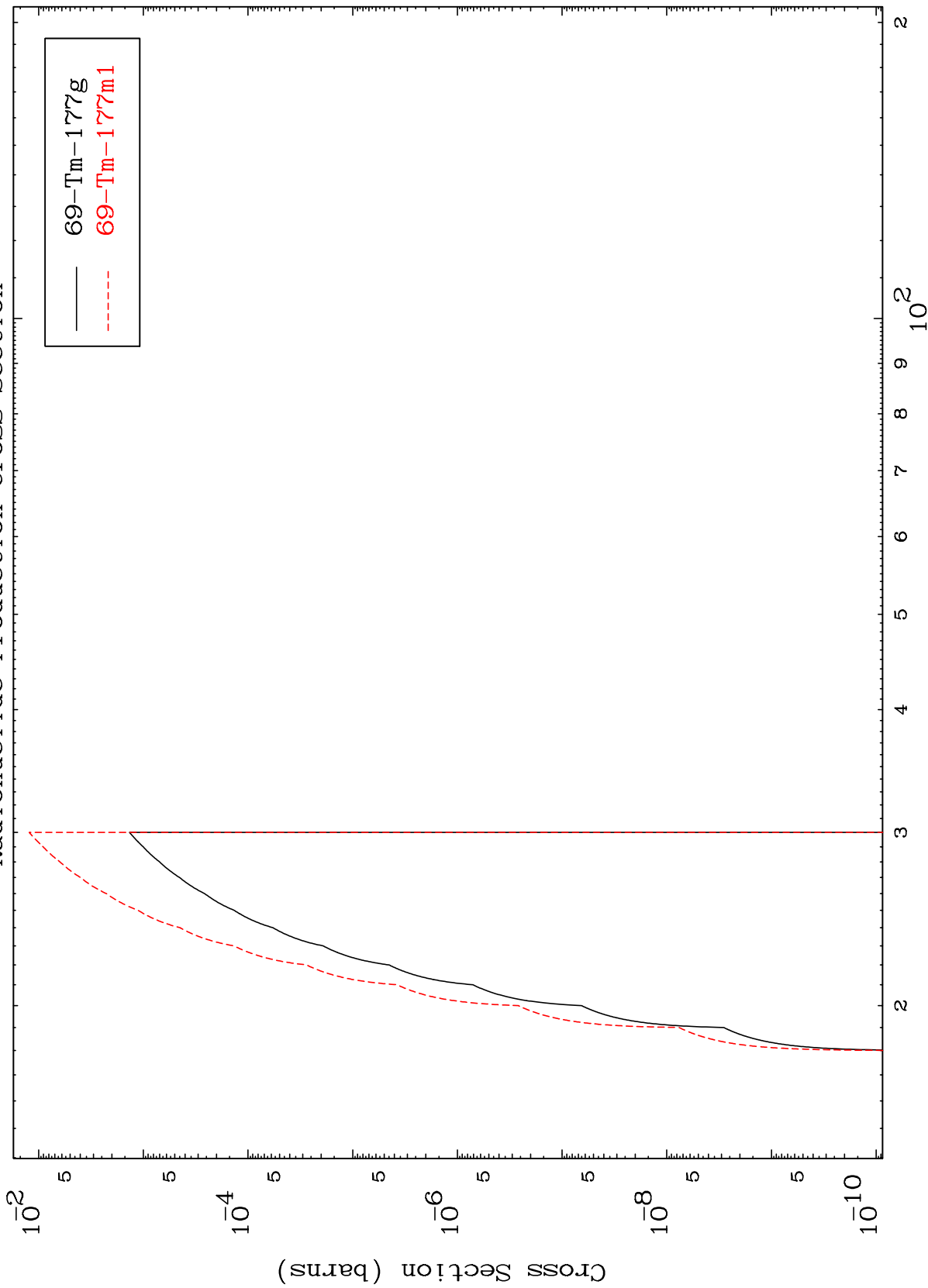
70-Yb-179

MAT 7058

(n,2n) p

70-Yb-179

Radionuclide Production Cross Section



143

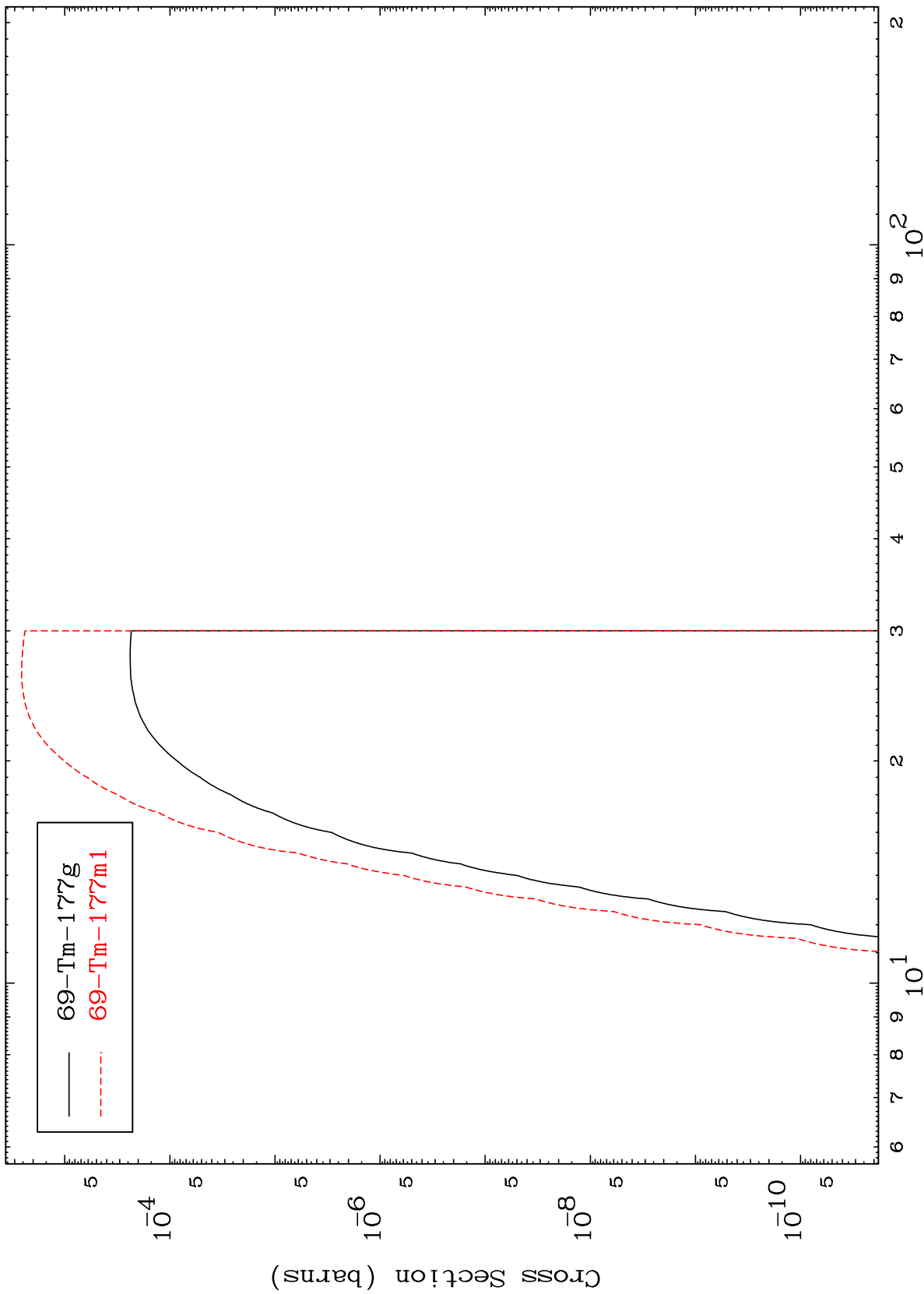
Incident Energy (MeV)

70-Yb-179

MAT 7058

70-Yb-179

(n, t)
Radionuclide Production Cross Section



Incident Energy (MeV)

70-Yb-179

144