

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

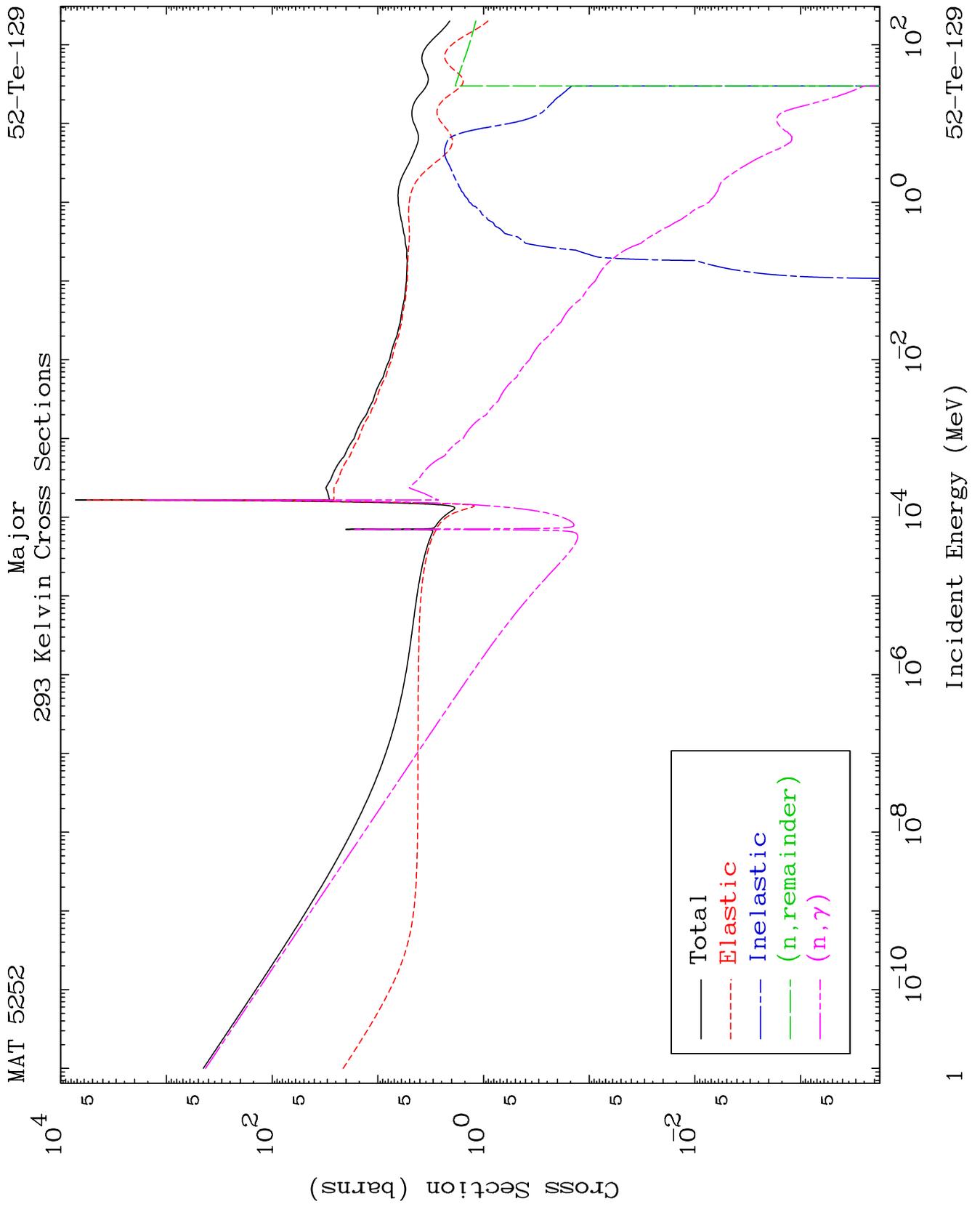
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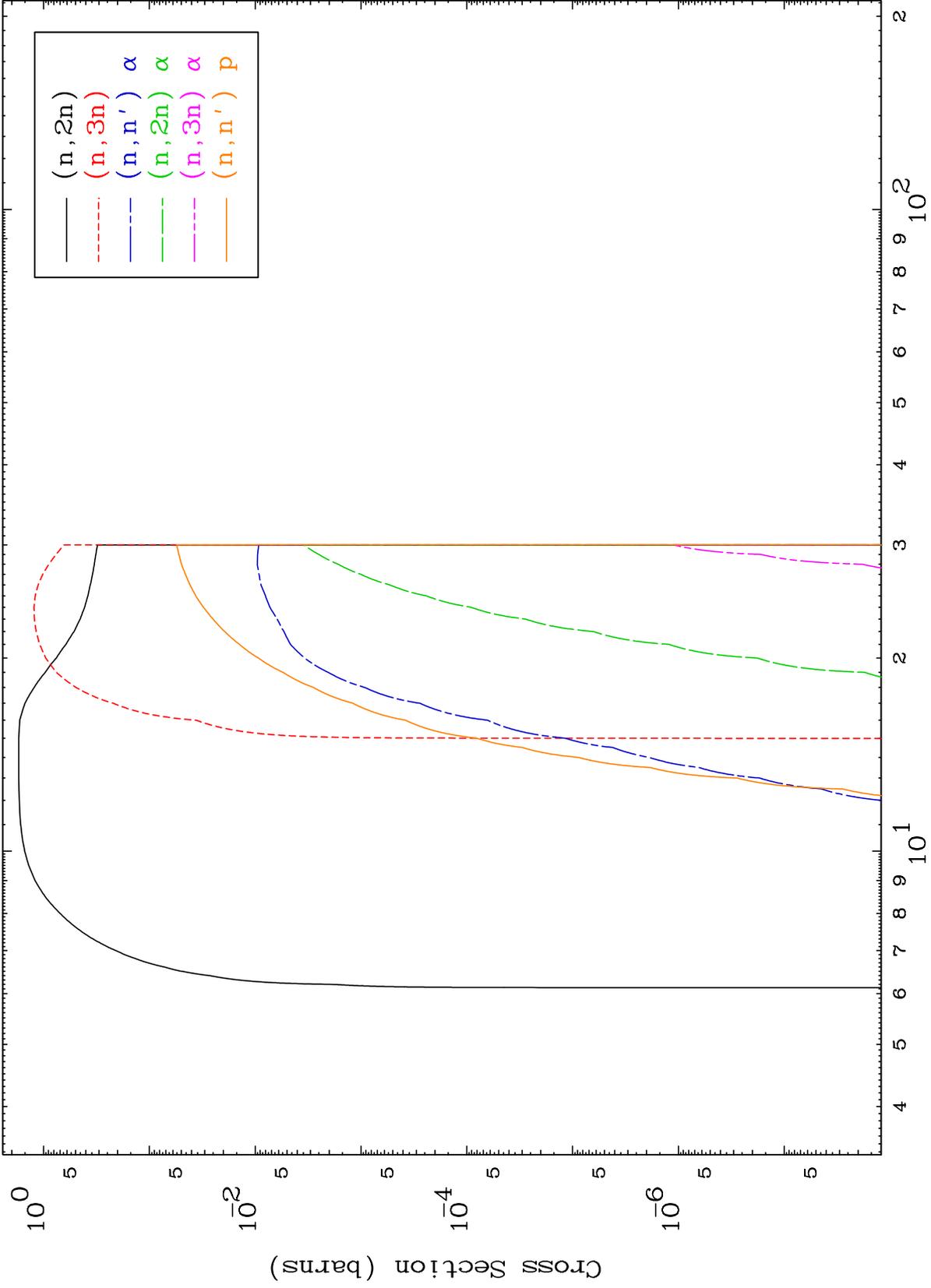
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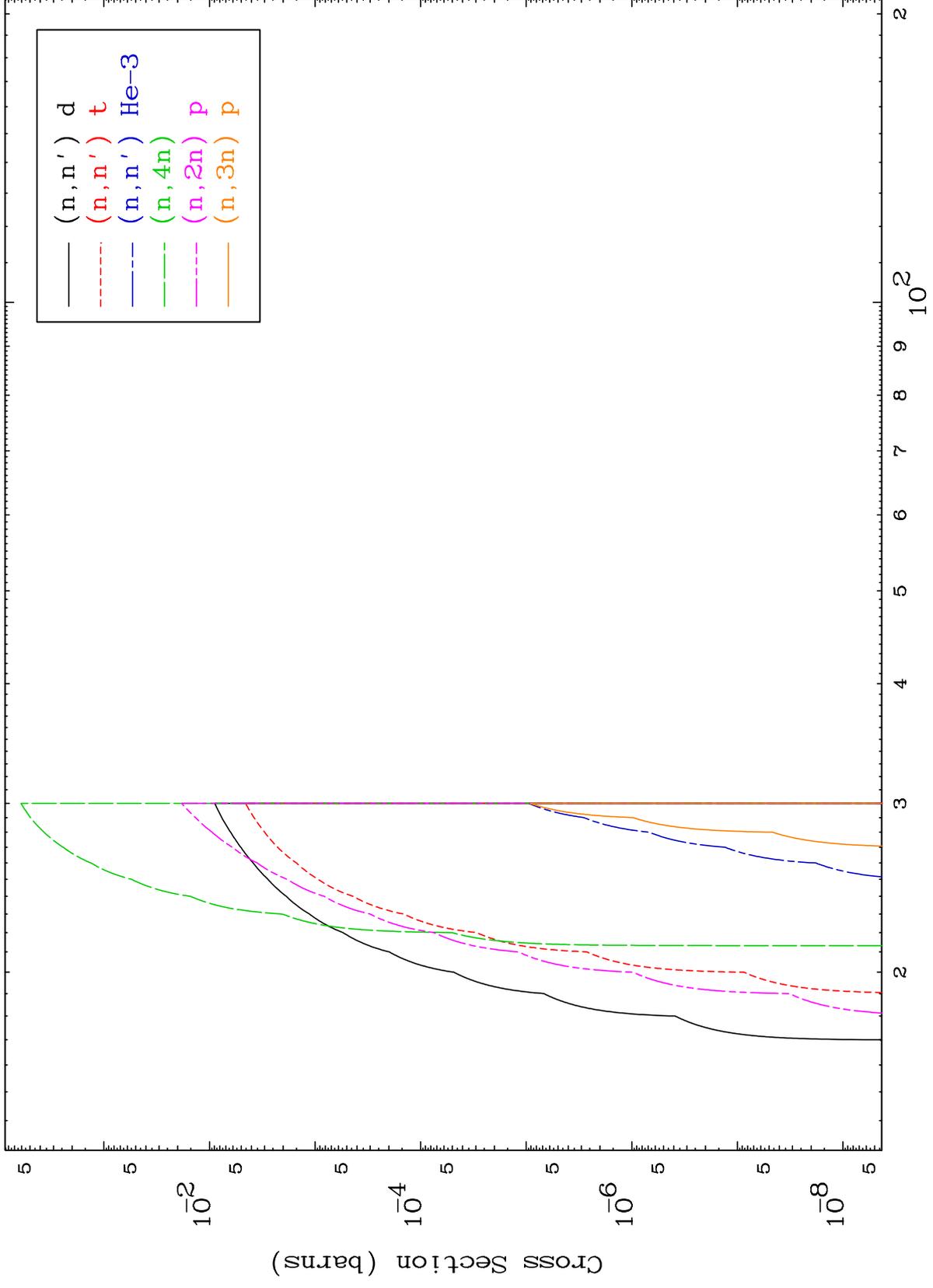


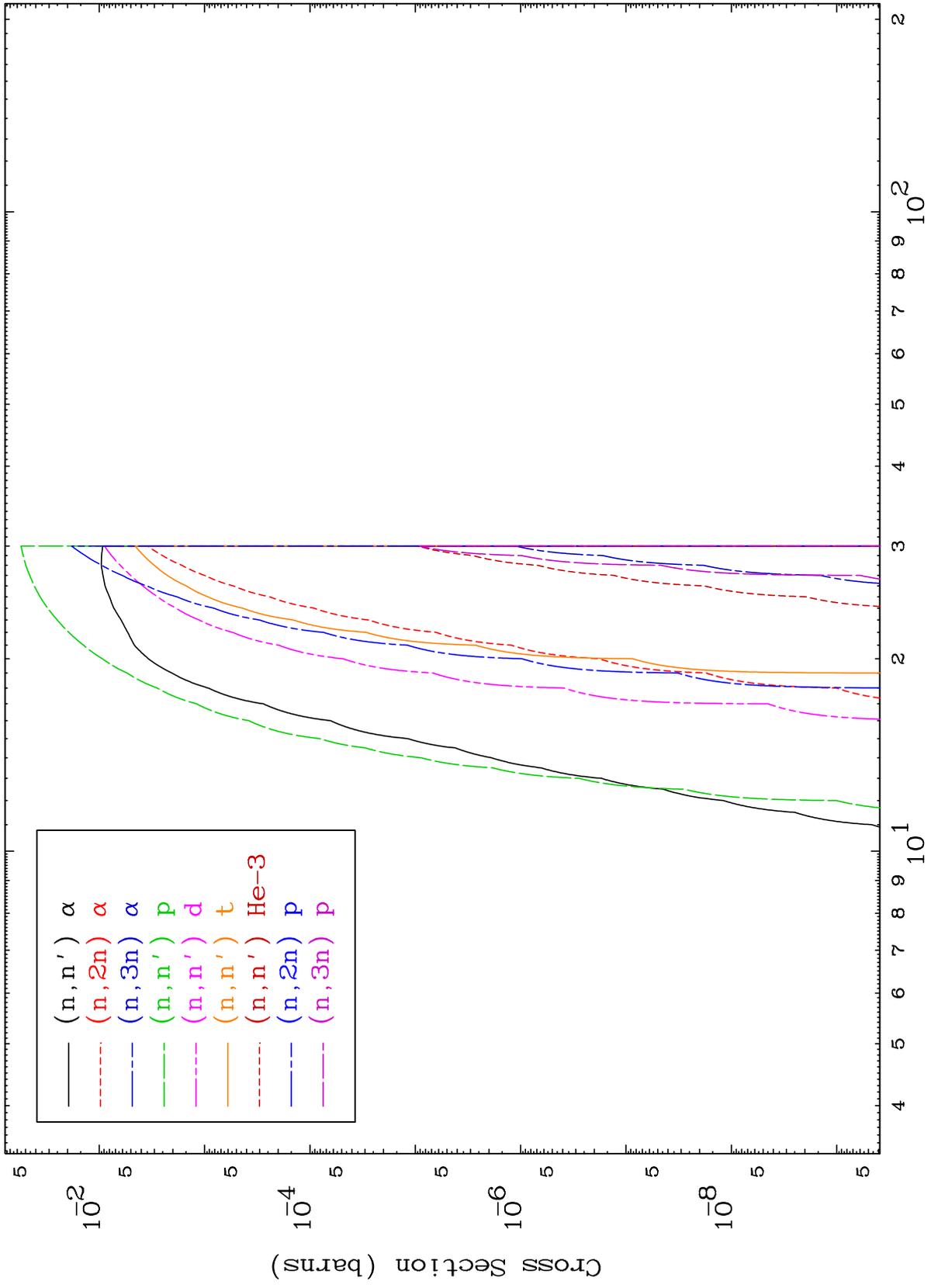
MAT 5252

Neutron Production
293 Kelvin Cross Sections

52-Te-129



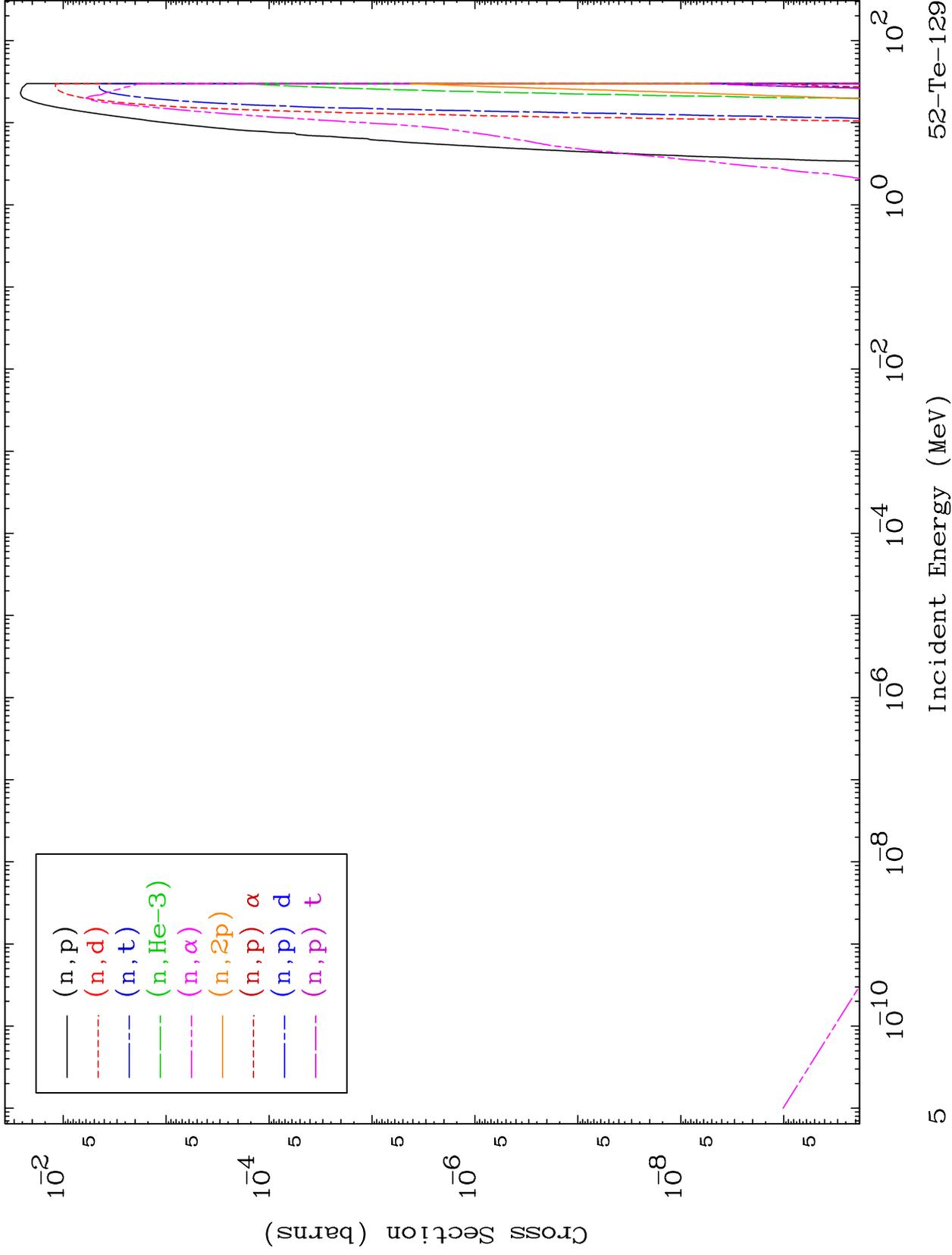


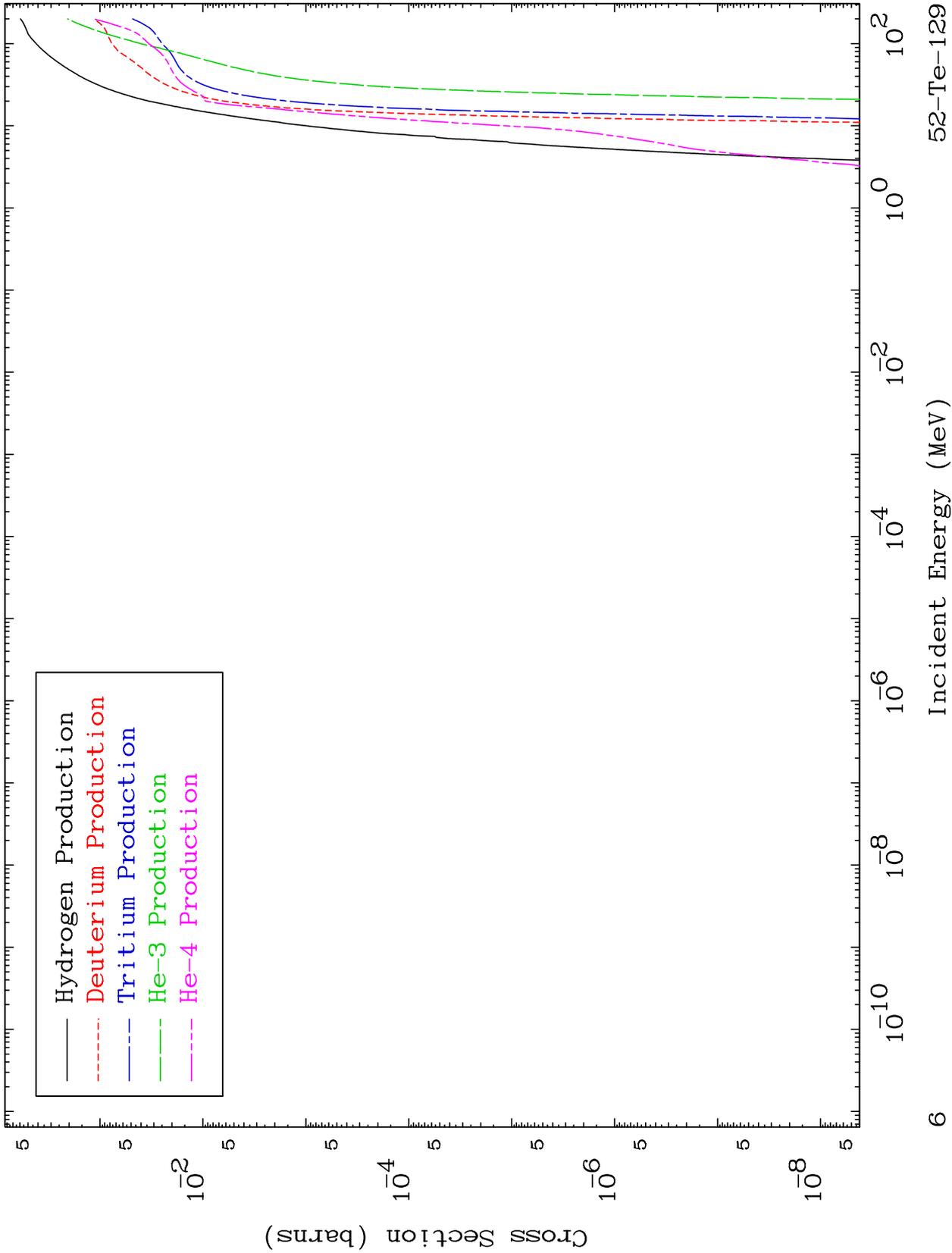


MAT 5252

Charged Particle
293 Kelvin Cross Sections

52-Te-129



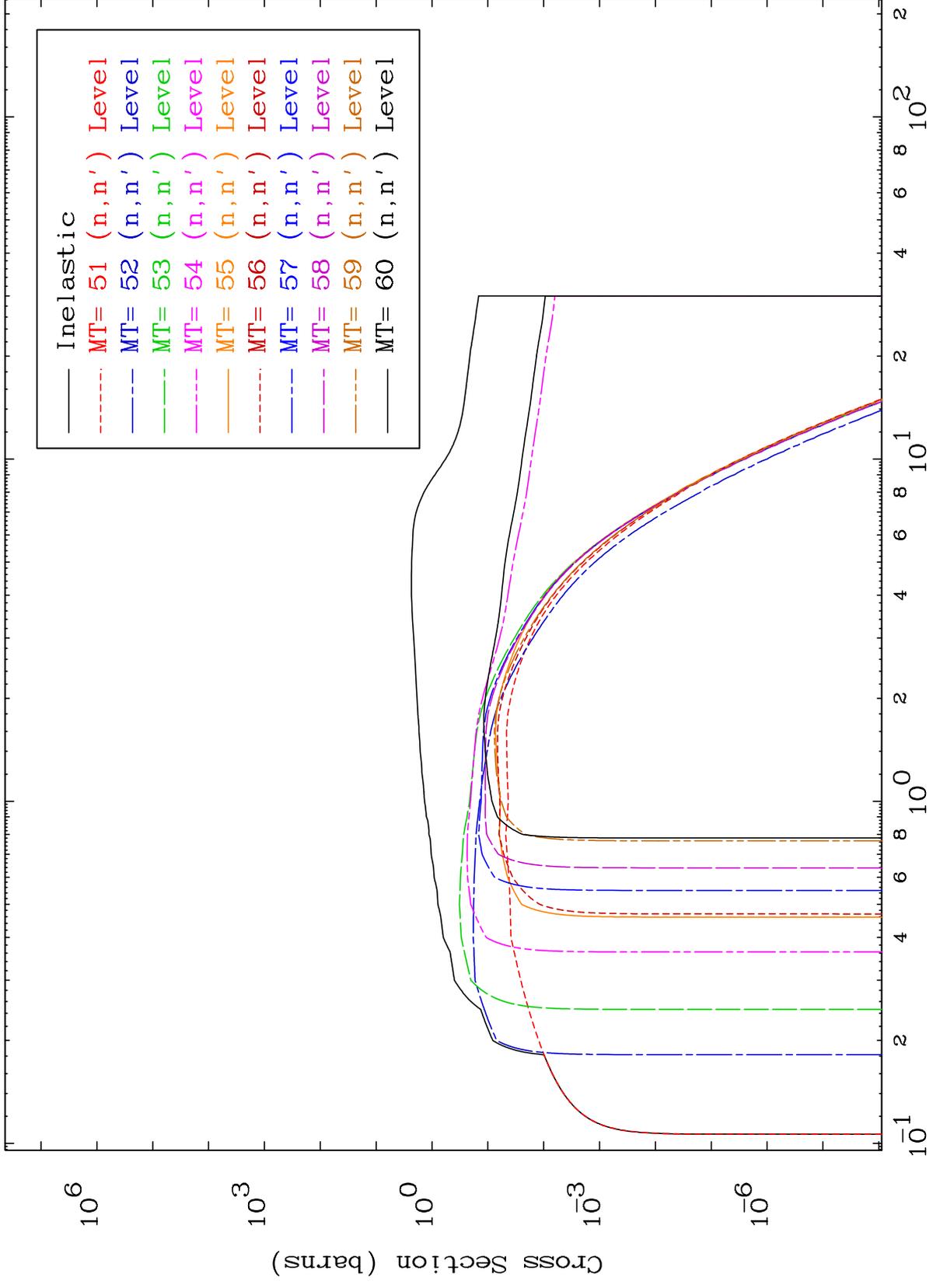


MAT 5252

(n,n') Level

52-Te-129

293 Kelvin Cross Sections



Incident Energy (MeV)

52-Te-129

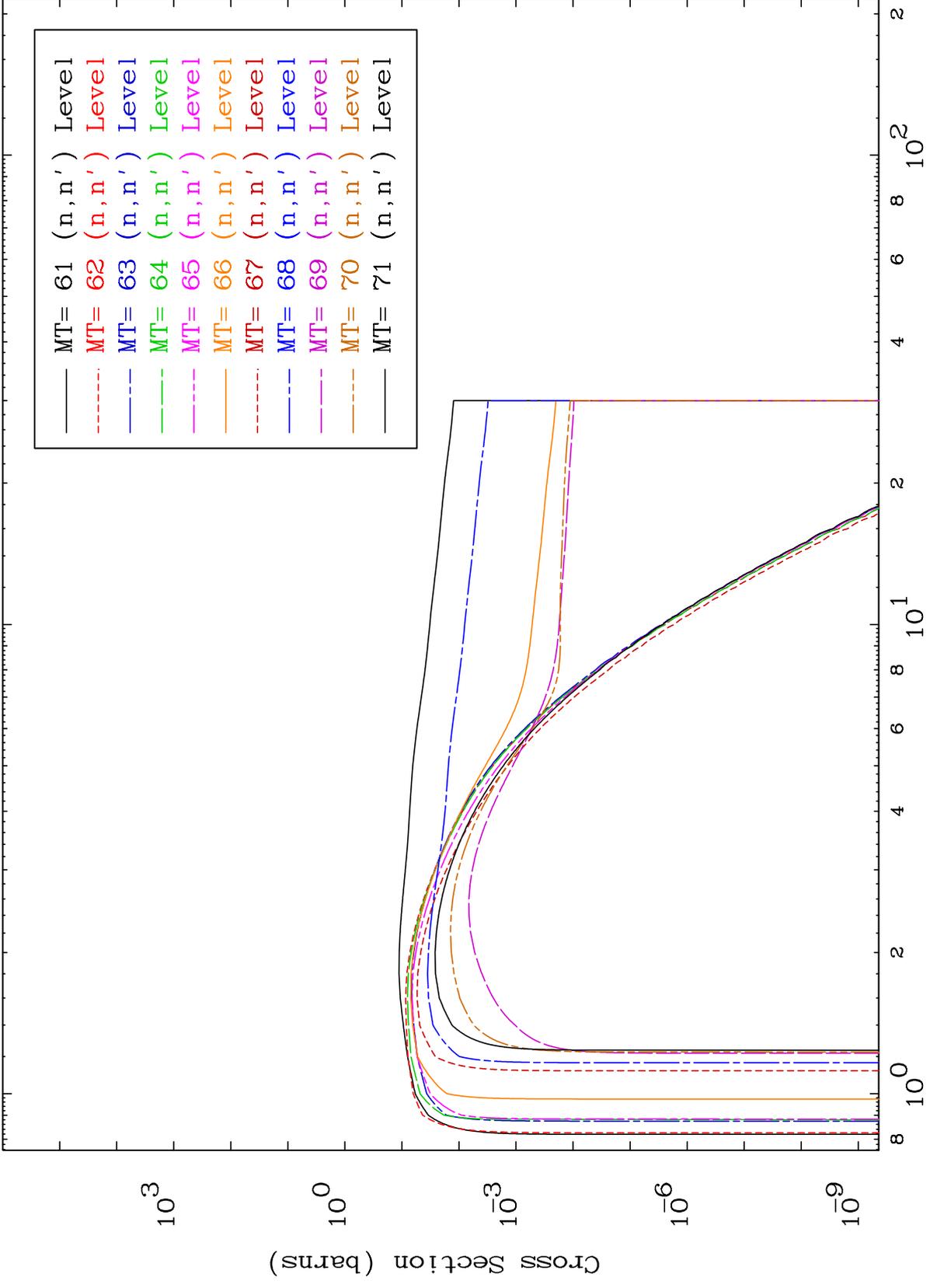
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MAT 5252

(n,n') Level

52-Te-129

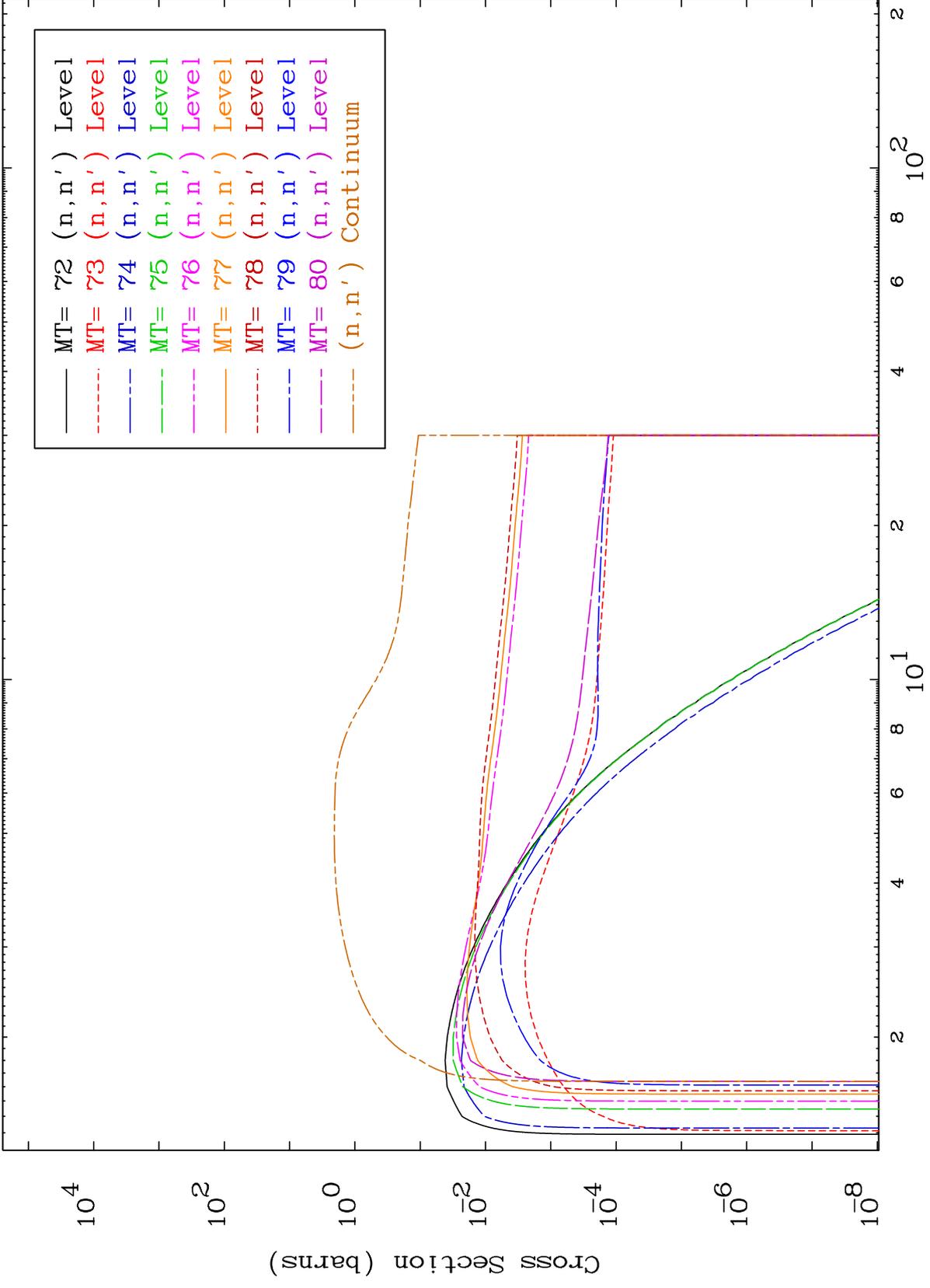
293 Kelvin Cross Sections



Incident Energy (MeV)

52-Te-129

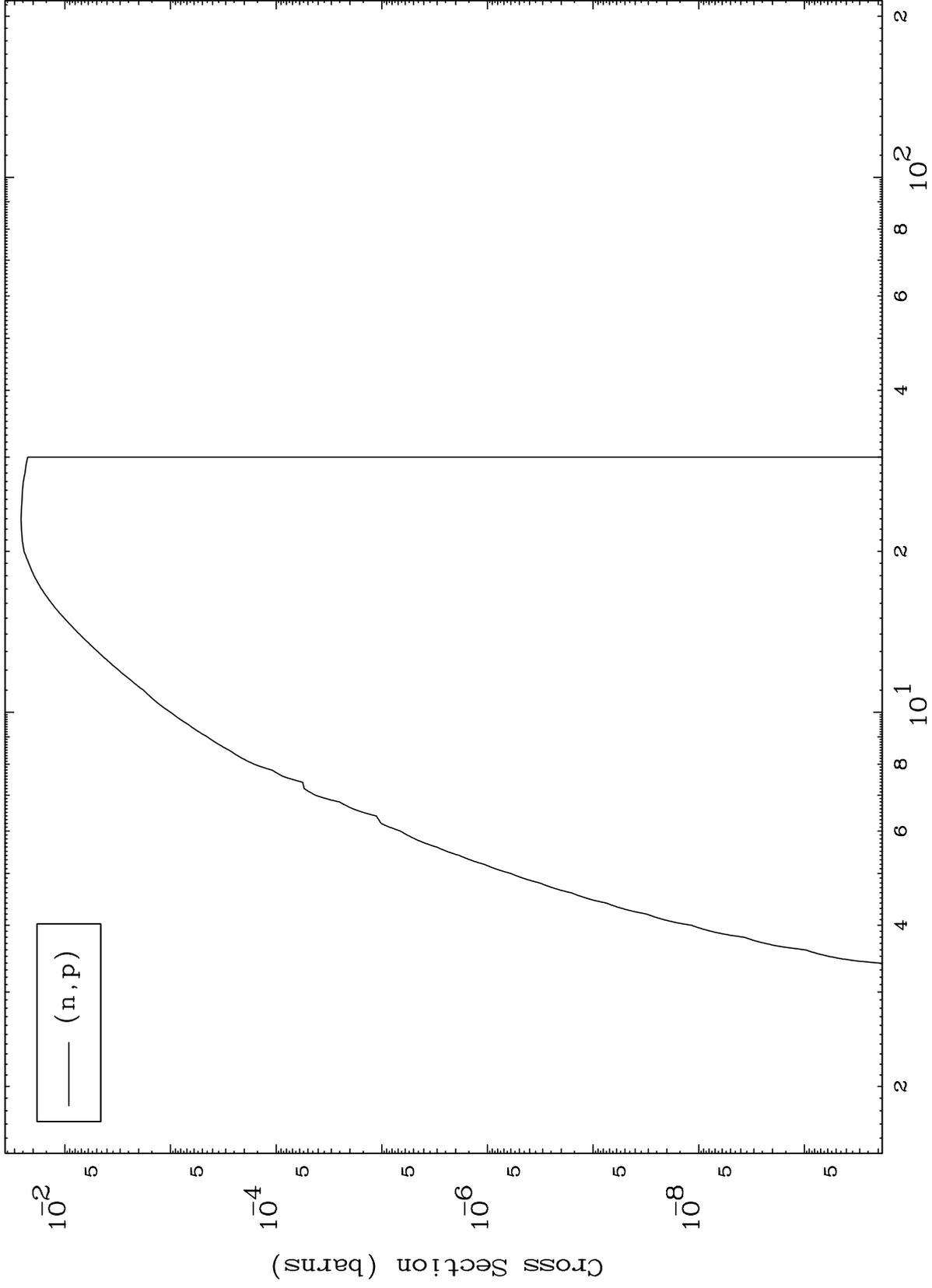
293 Kelvin Cross Sections



MAT 5252

(n,p) Levels
293 Kelvin Cross Sections

52-Te-129



10

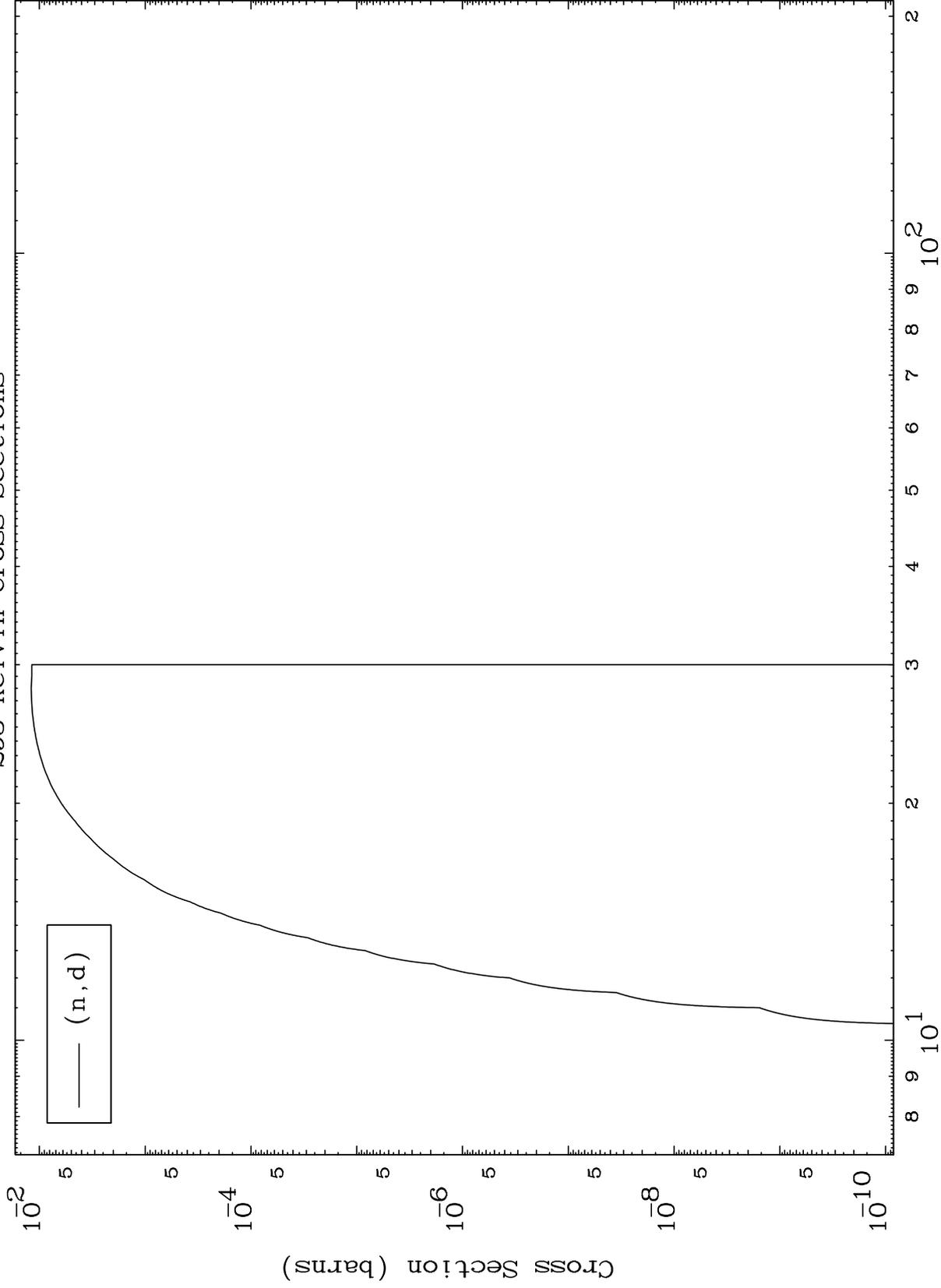
Incident Energy (MeV)

52-Te-129

MAT 5252

(n,d) Levels
293 Kelvin Cross Sections

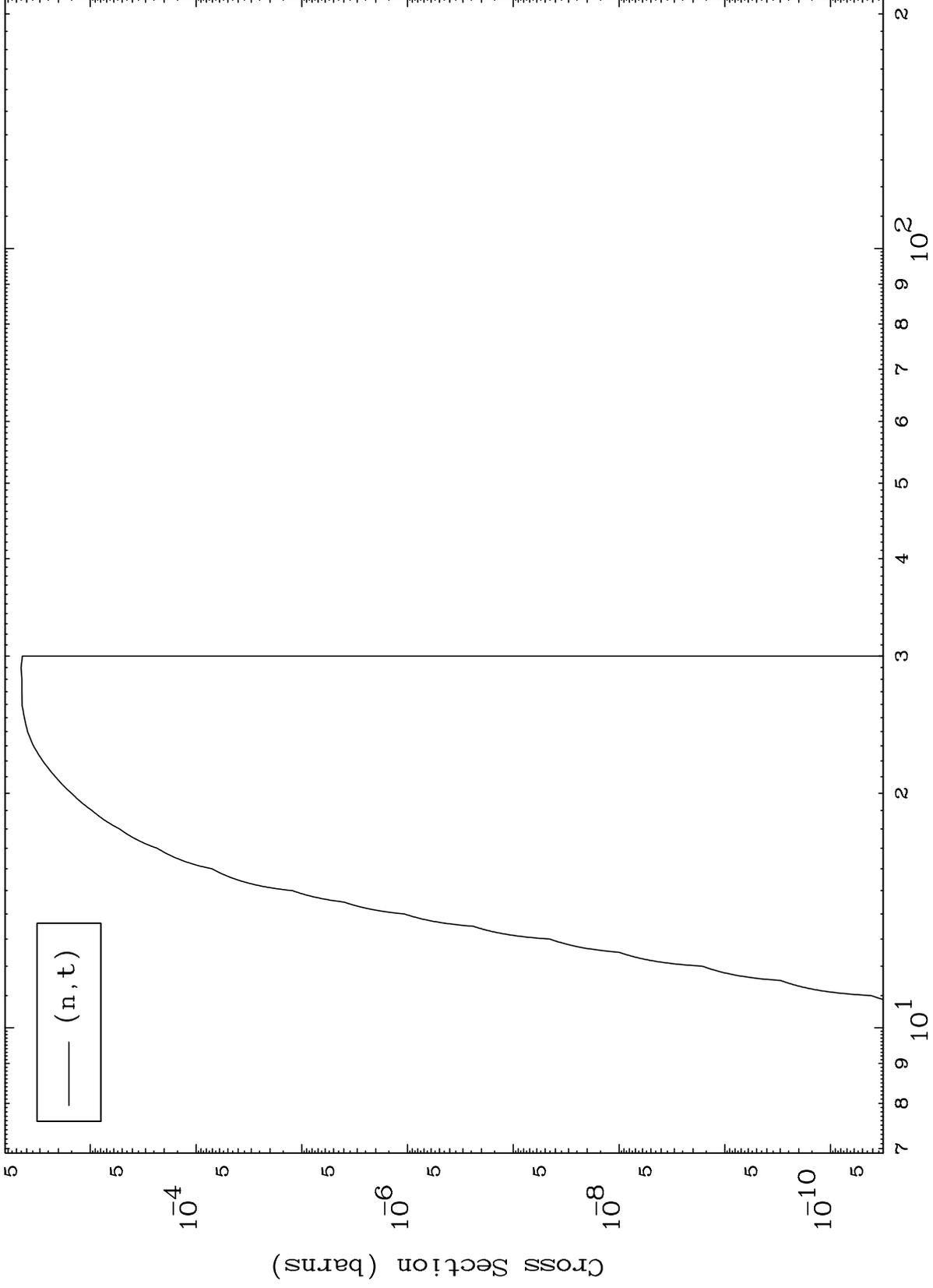
52-Te-129



MAT 5252

(n,t) Levels
293 Kelvin Cross Sections

52-Te-129



12

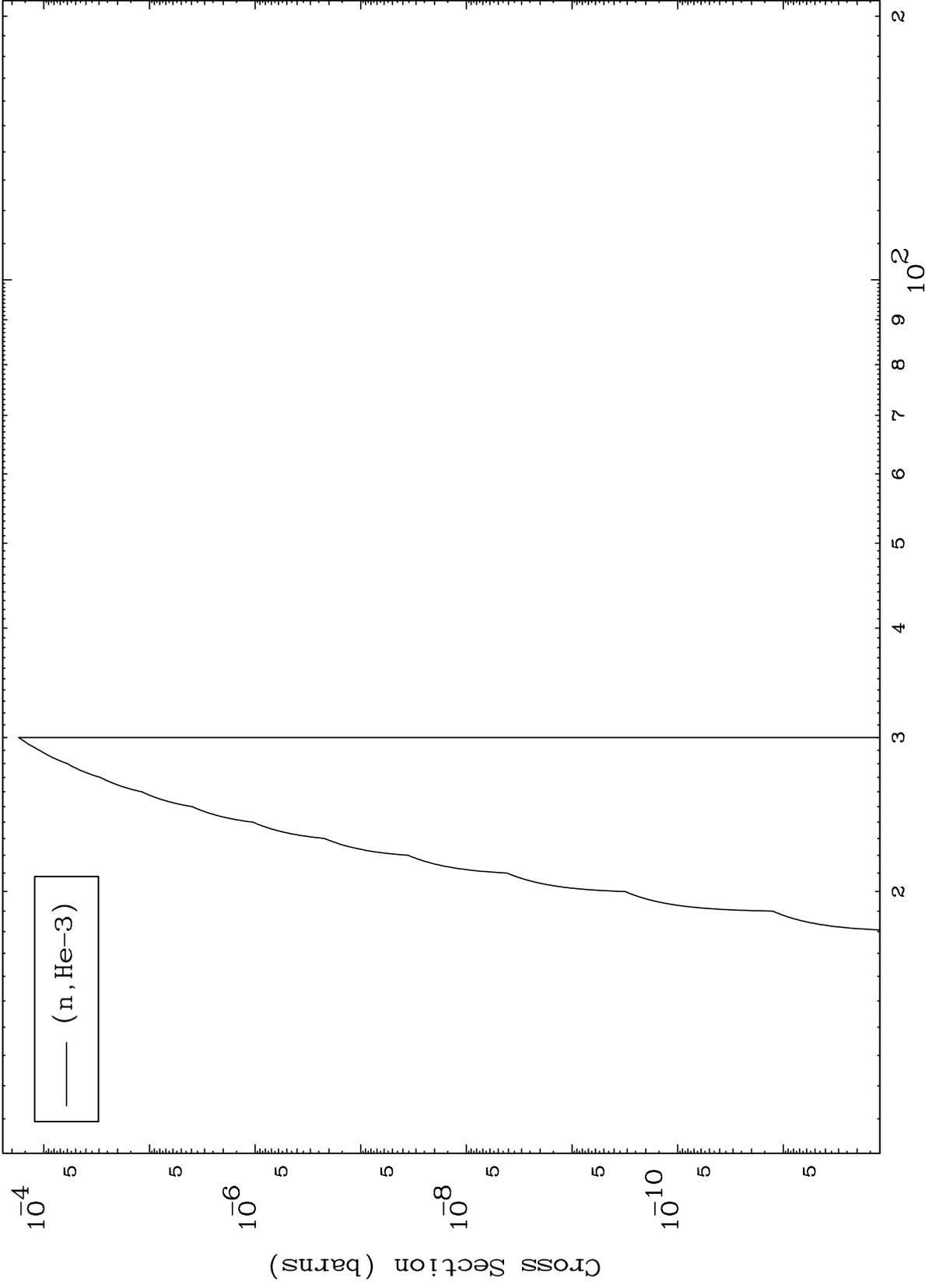
Incident Energy (MeV)

52-Te-129

MAT 5252

(n,He3) Levels
293 Kelvin Cross Sections

52-Te-129



13

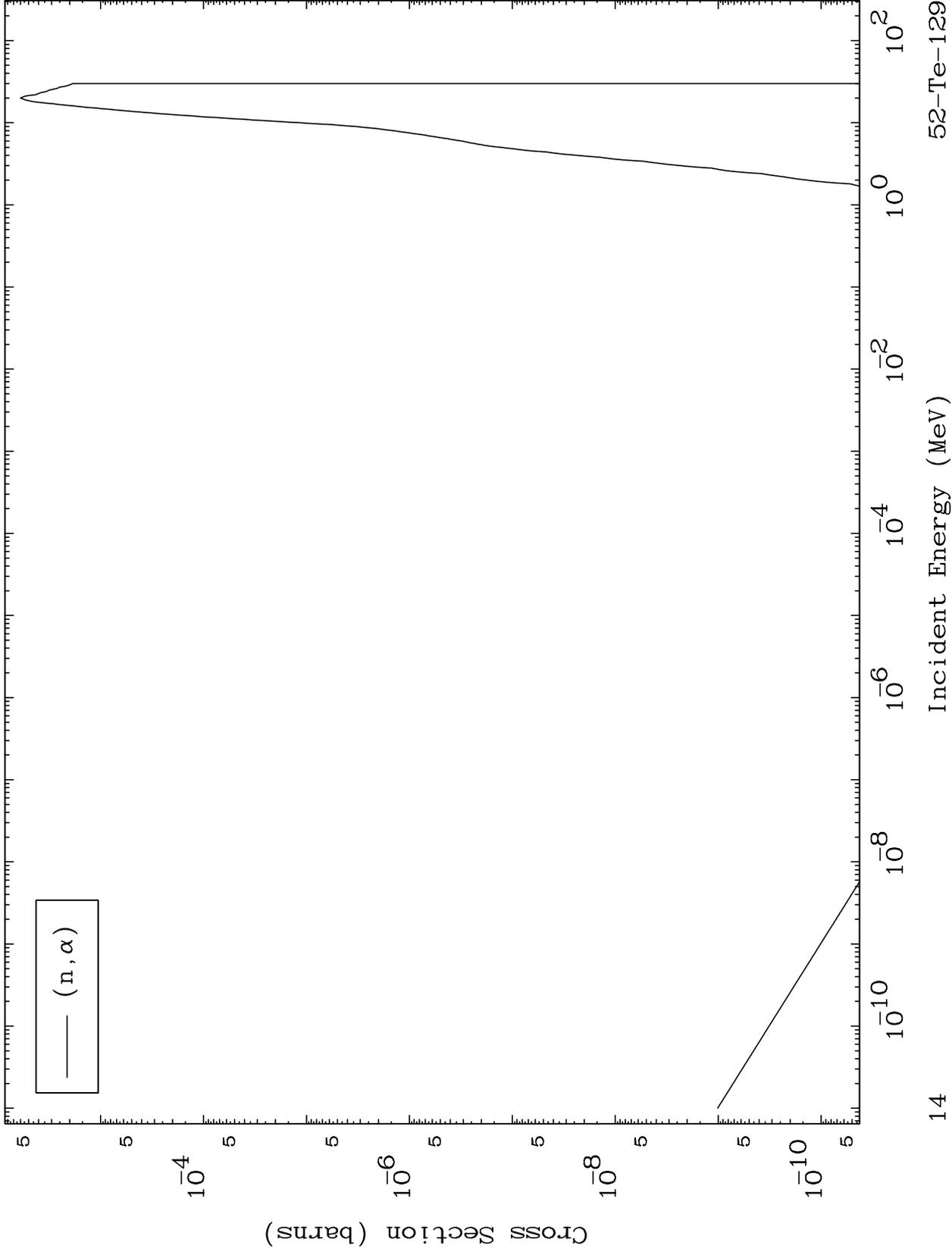
Incident Energy (MeV)

52-Te-129

MAT 5252

(n, α) Levels
293 Kelvin Cross Sections

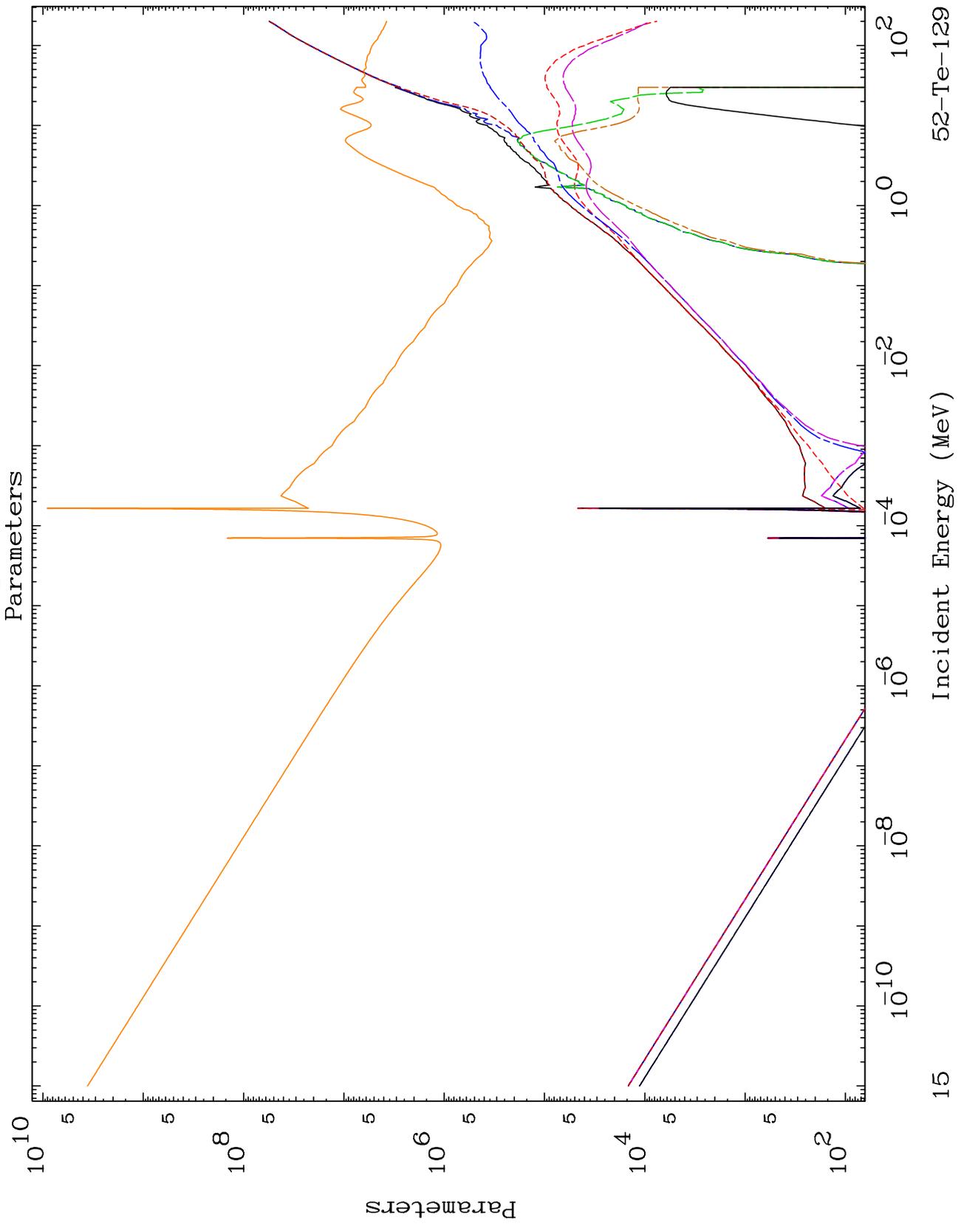
52-Te-129



MAT 5252

Energy Release
Parameters

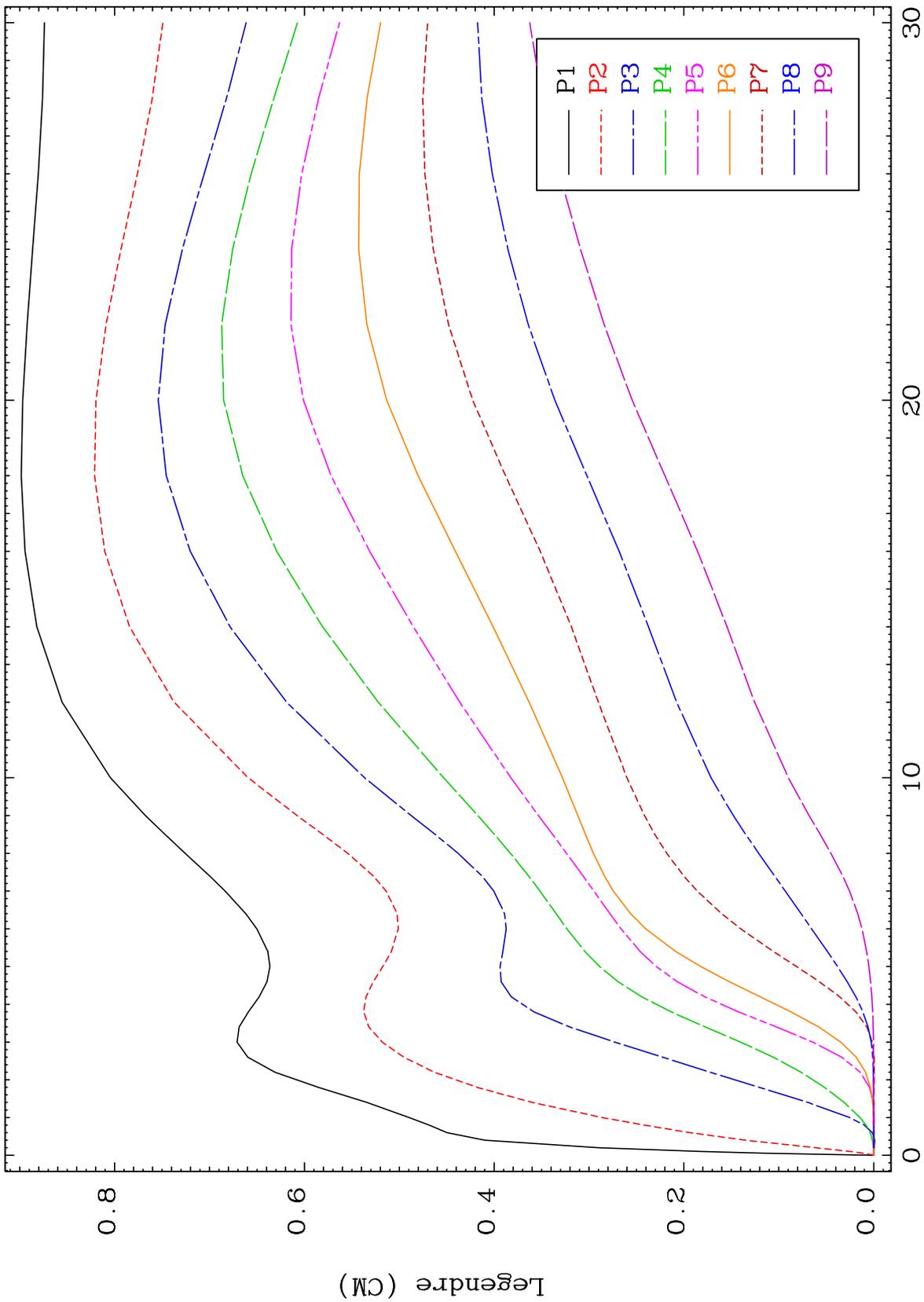
52-Te-129



MAT 5252

52-Te-129

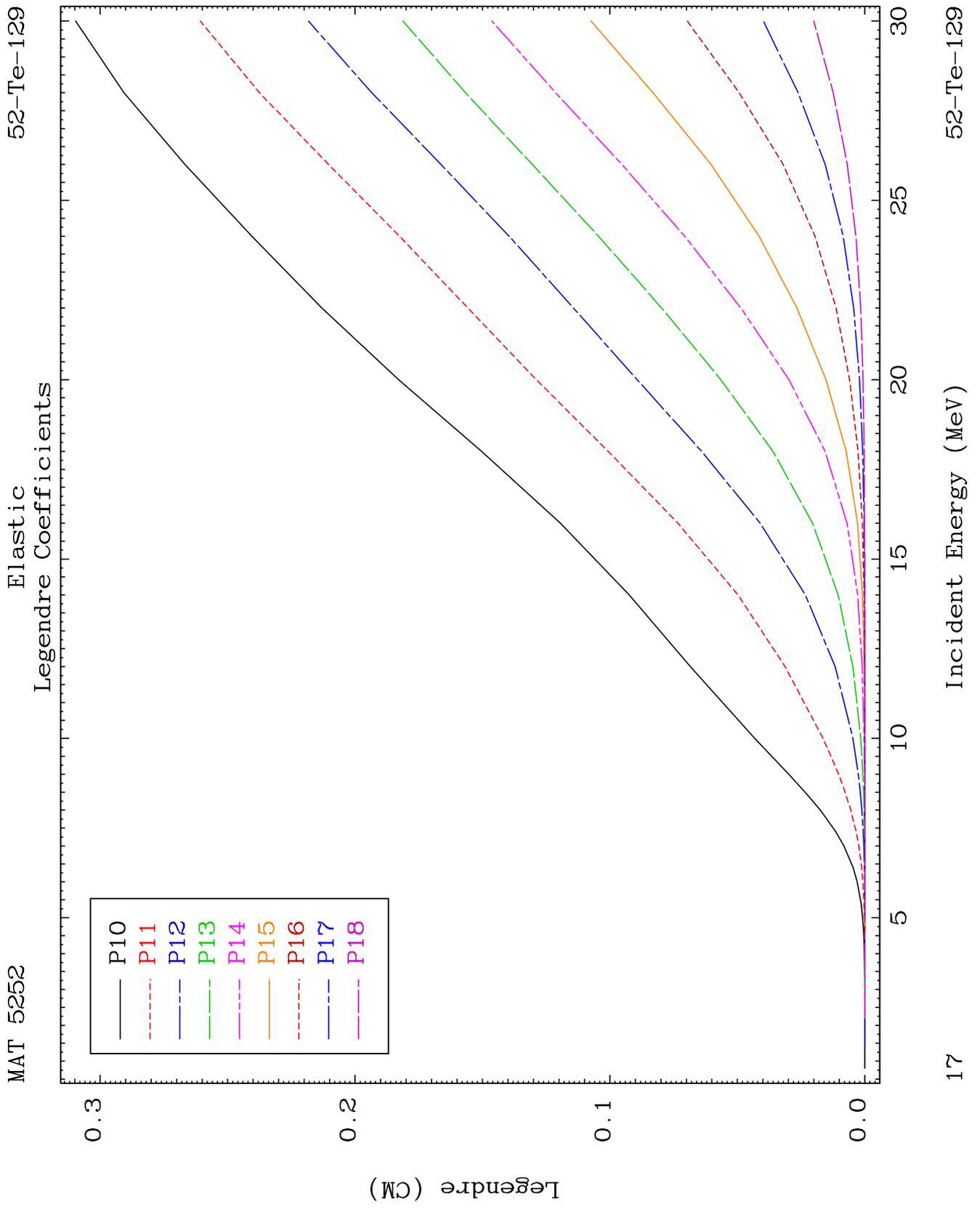
Elastic Legendre Coefficients



16

Incident Energy (MeV)

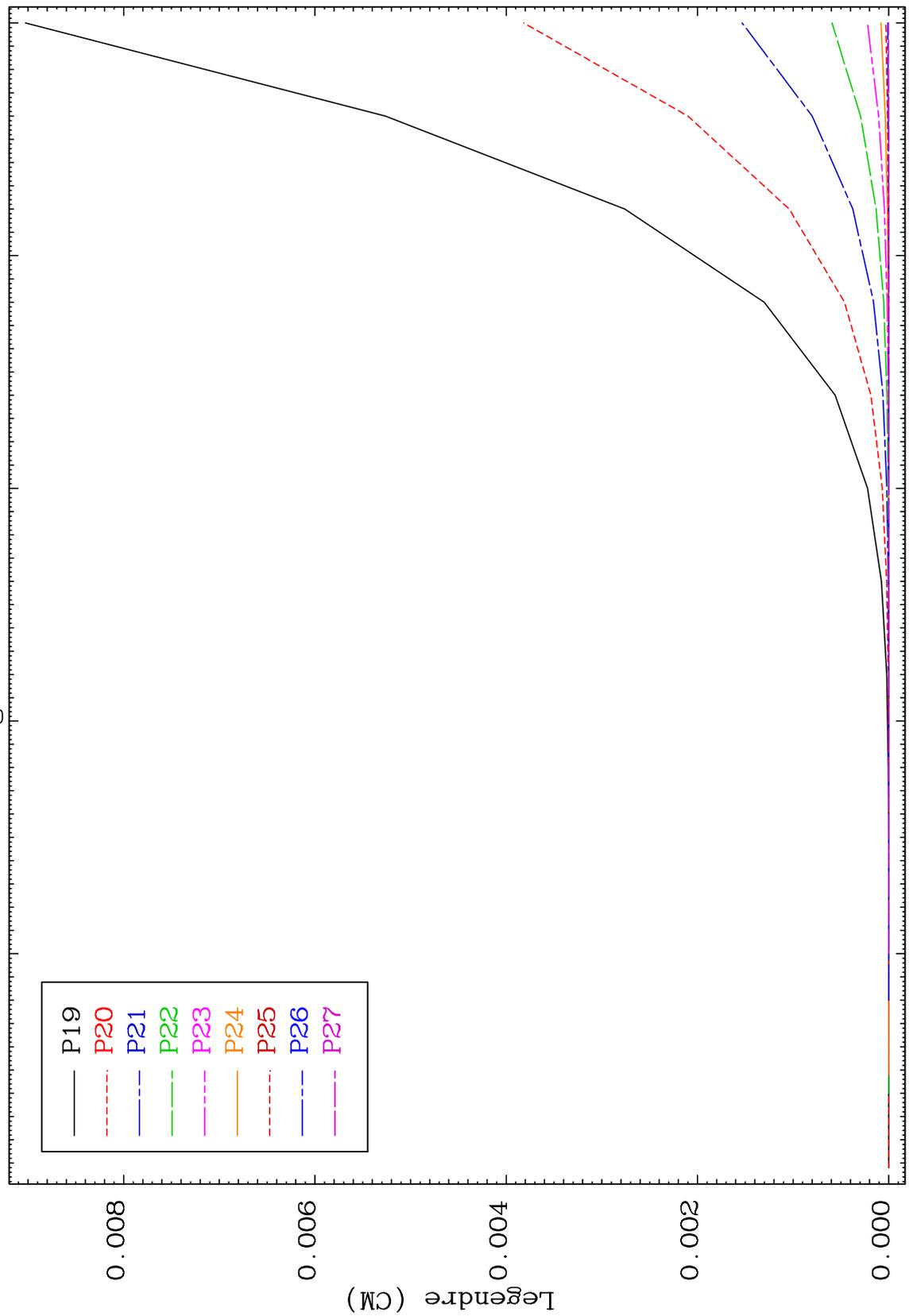
52-Te-129



MAT 5252

Elastic Legendre Coefficients

52-Te-129



18

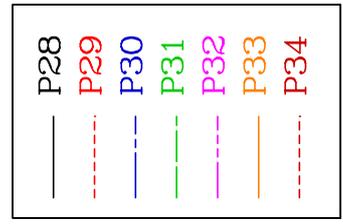
Incident Energy (MeV)

52-Te-129

MAT 5252

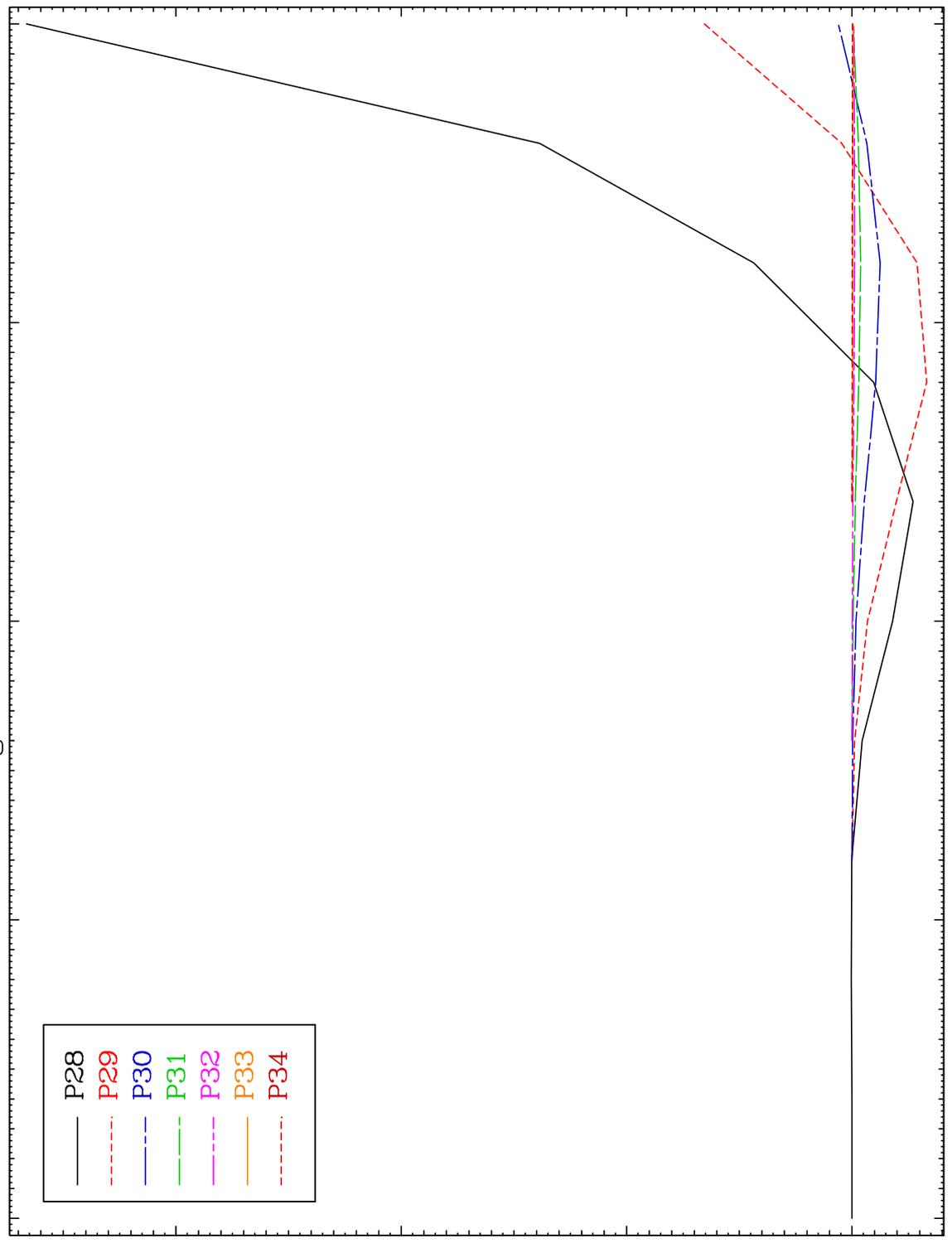
Elastic
Legendre Coefficients

52-Te-129



$\times 10^{-7}$

Legendre (CM)



10

15

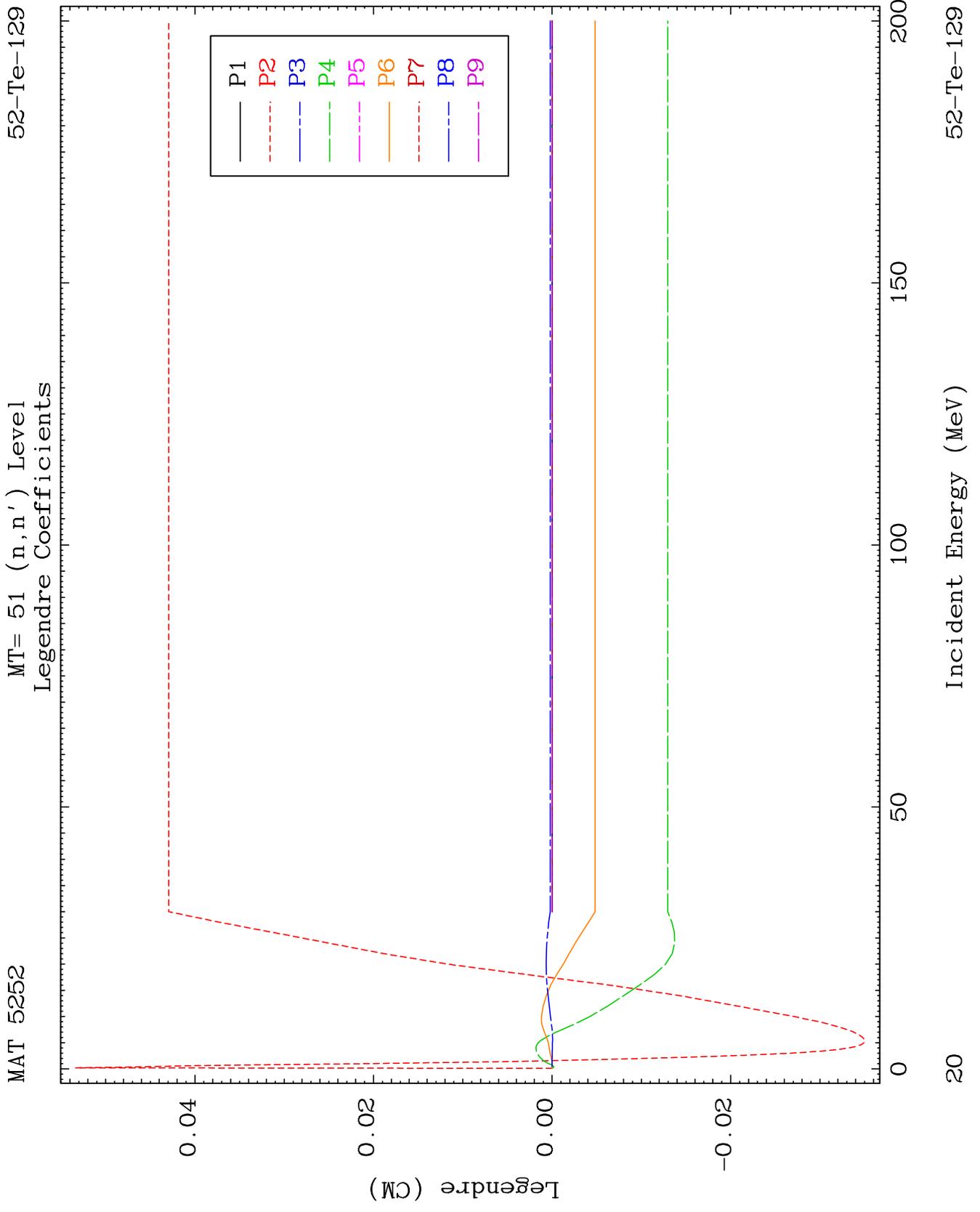
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25

30

Incident Energy (MeV)

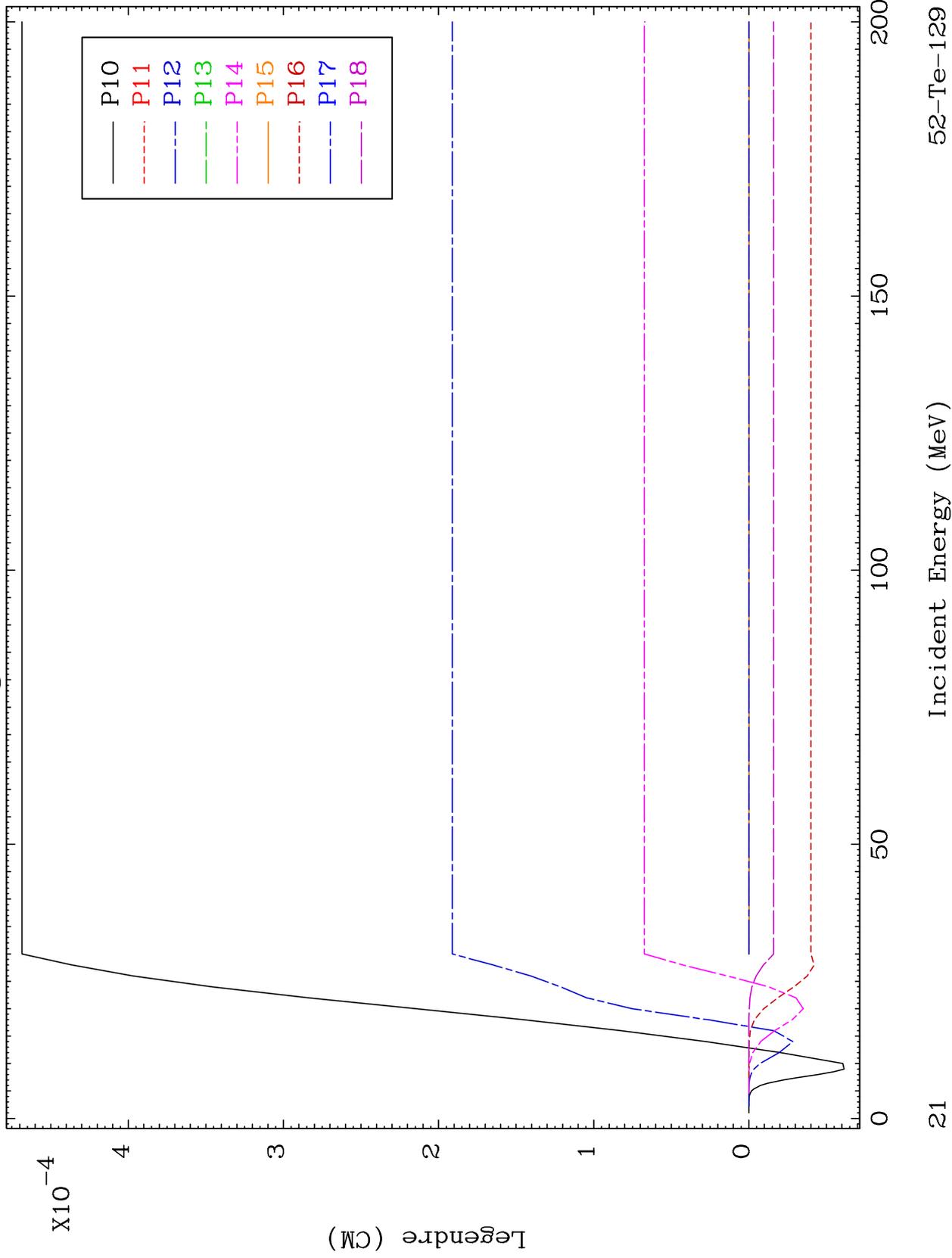
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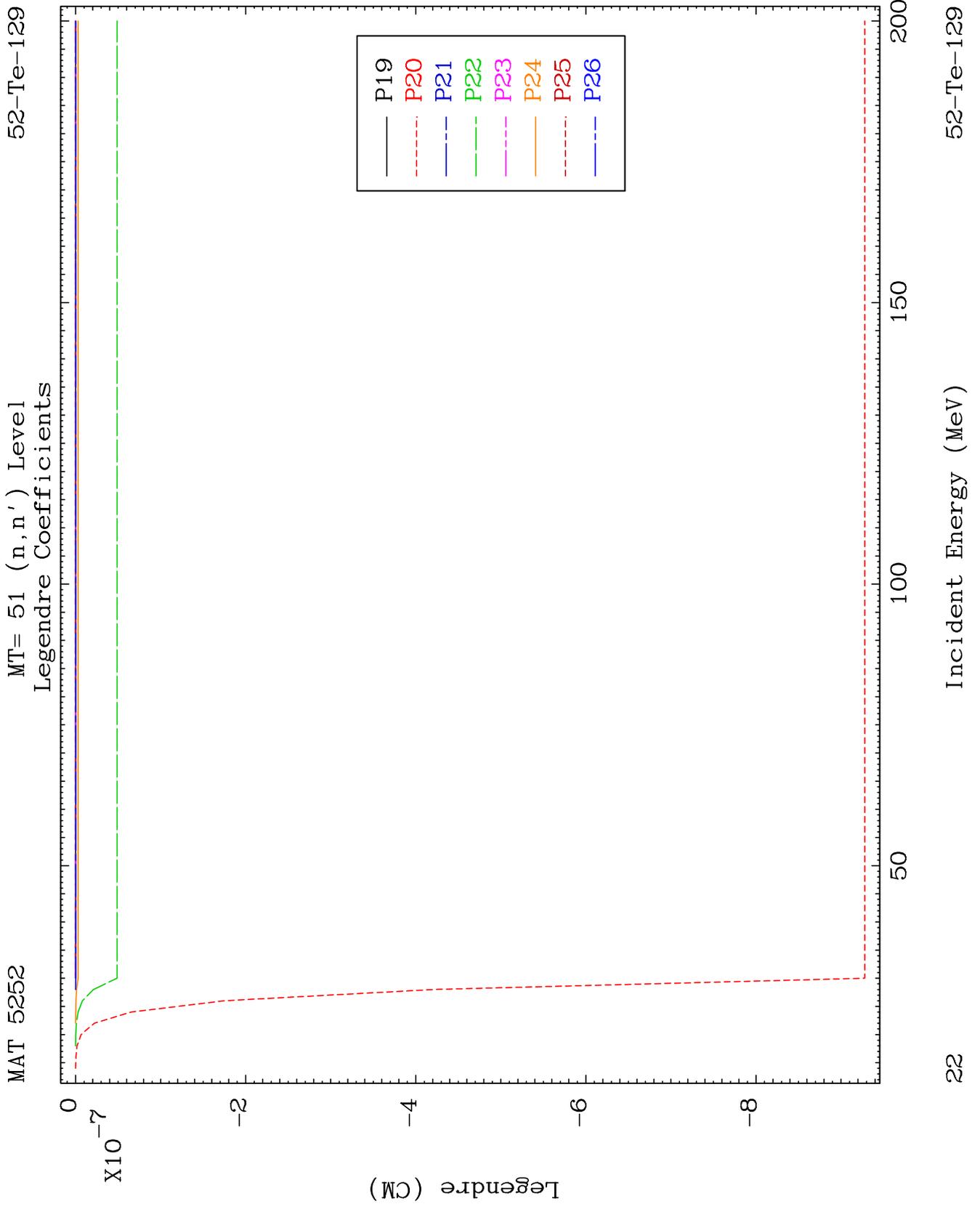


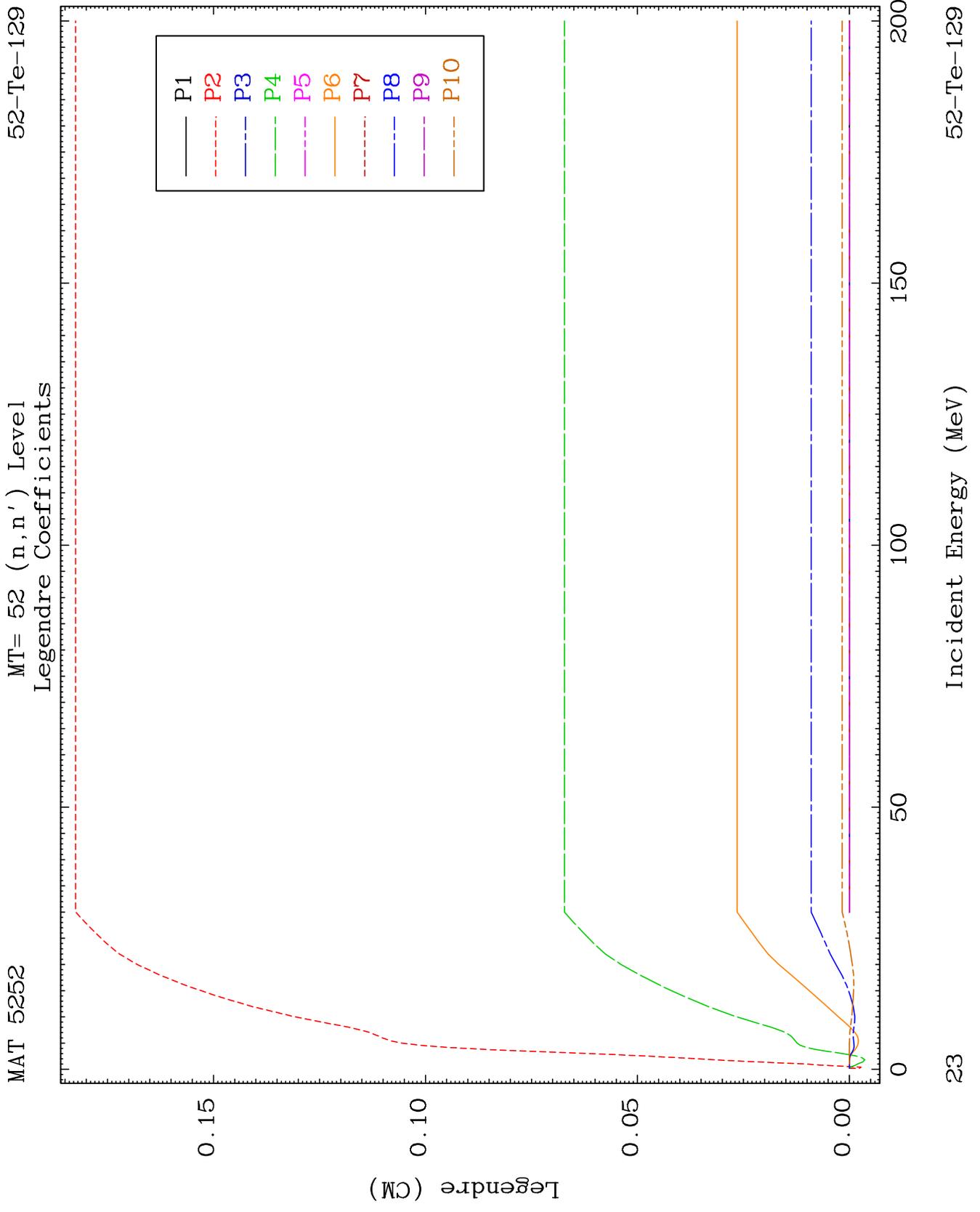
MAT 5252

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

52-Te-129



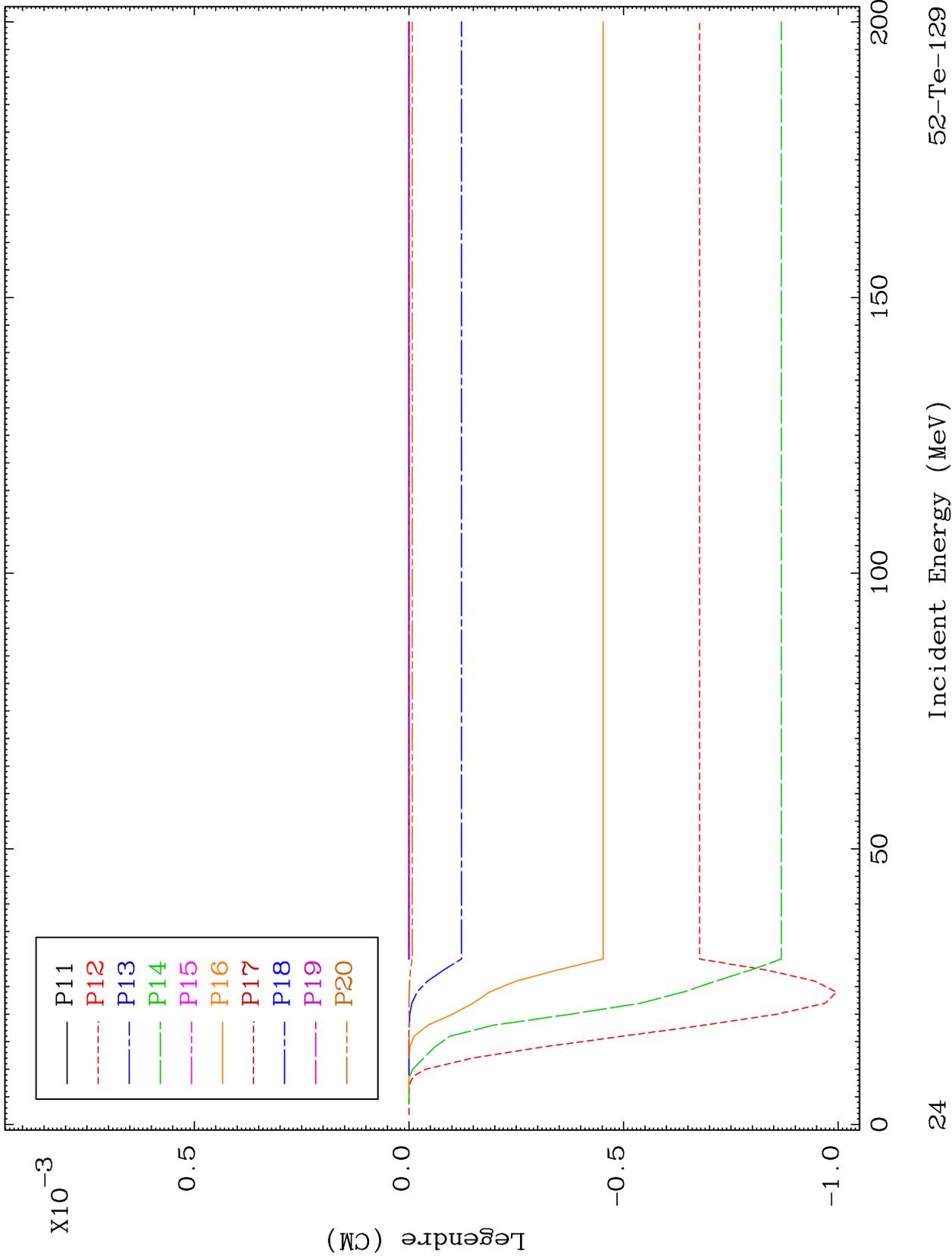




MAT 5252

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

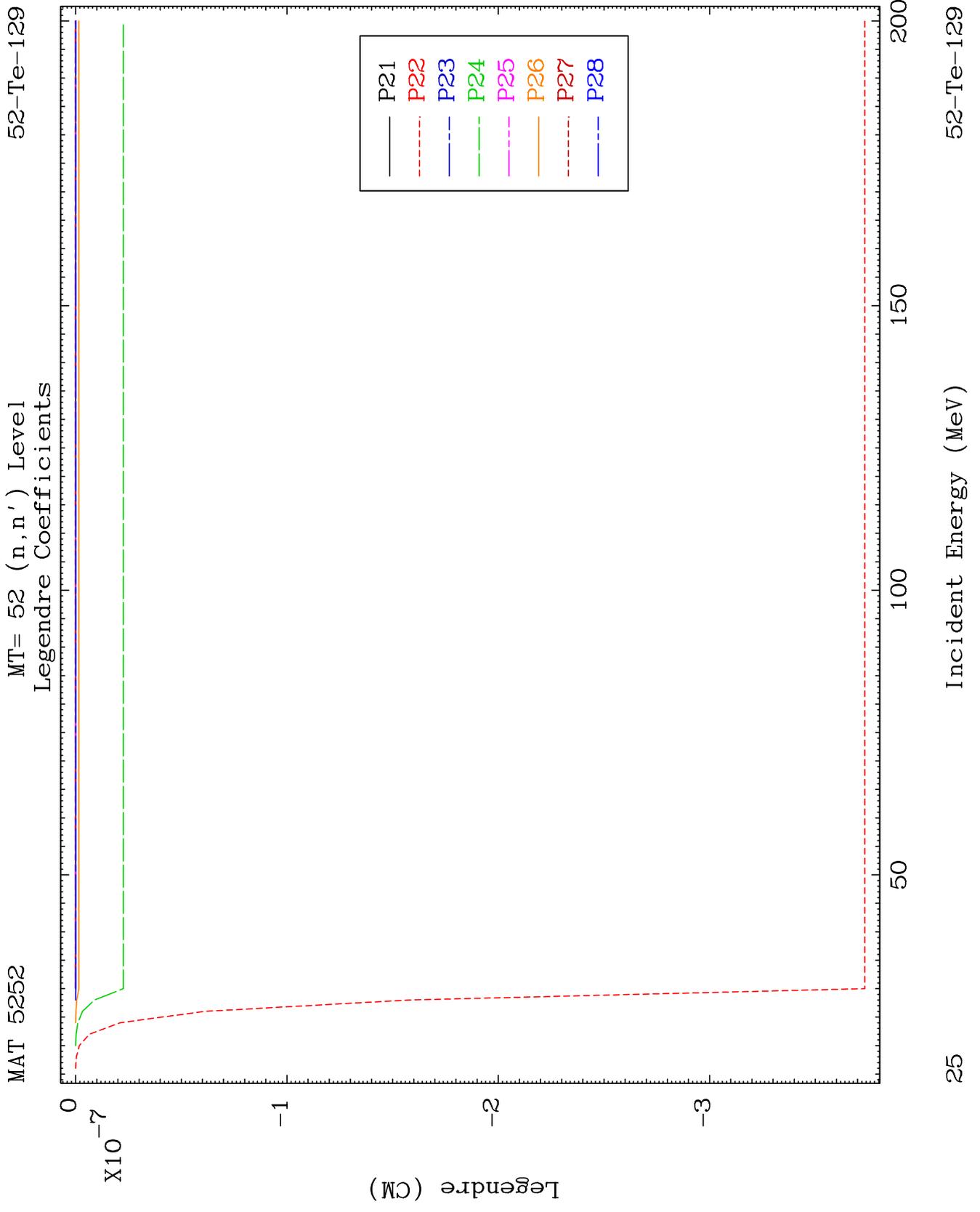
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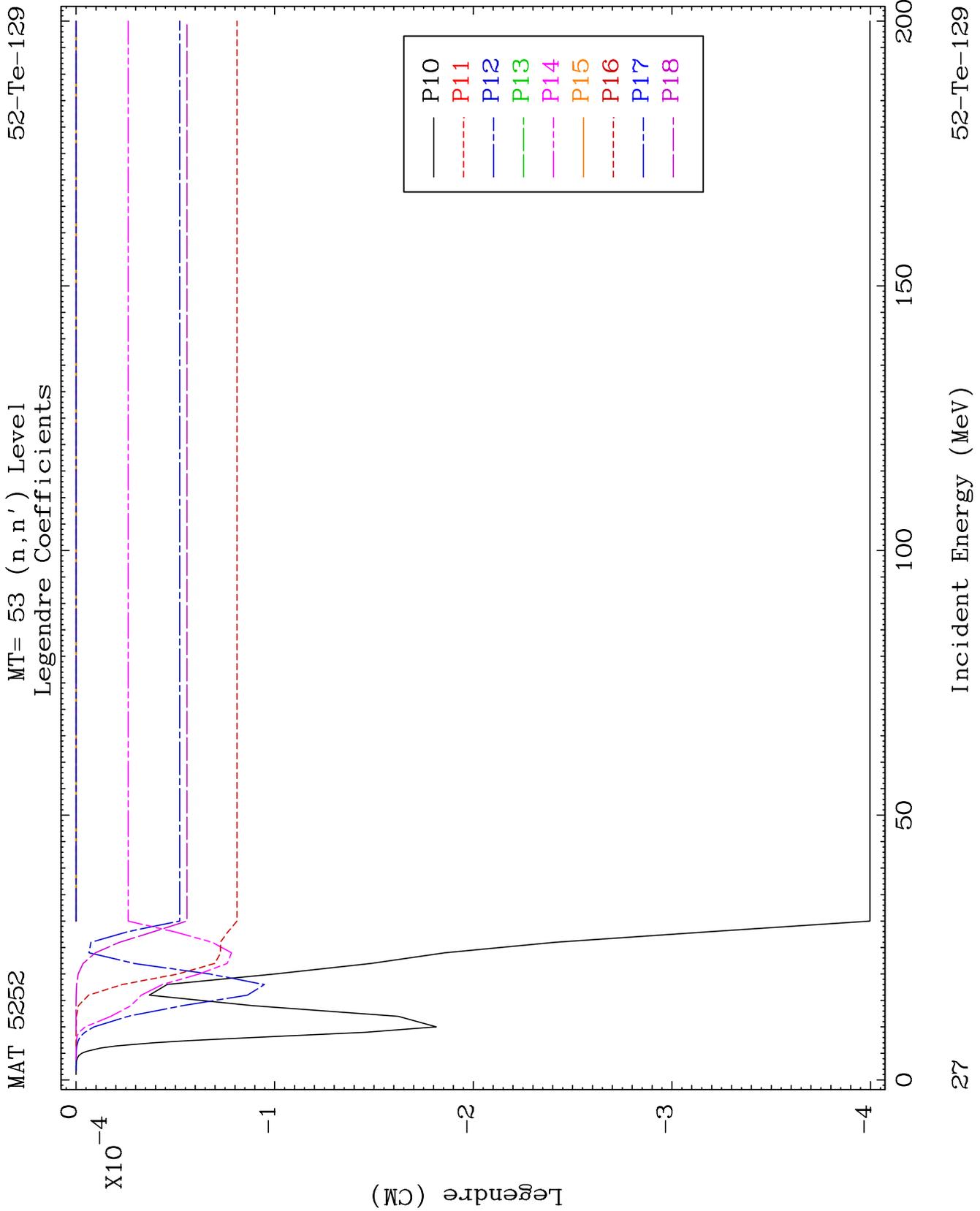


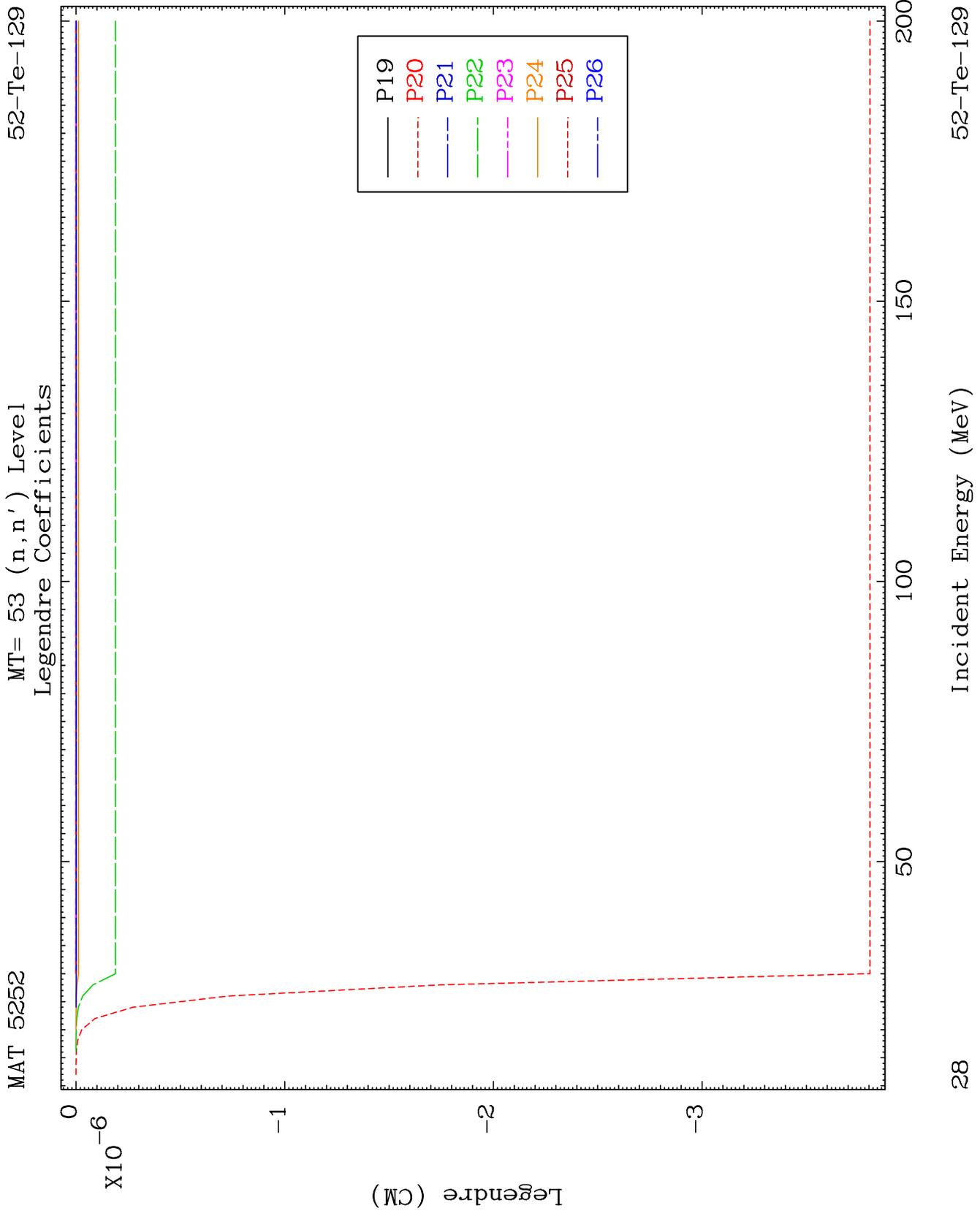
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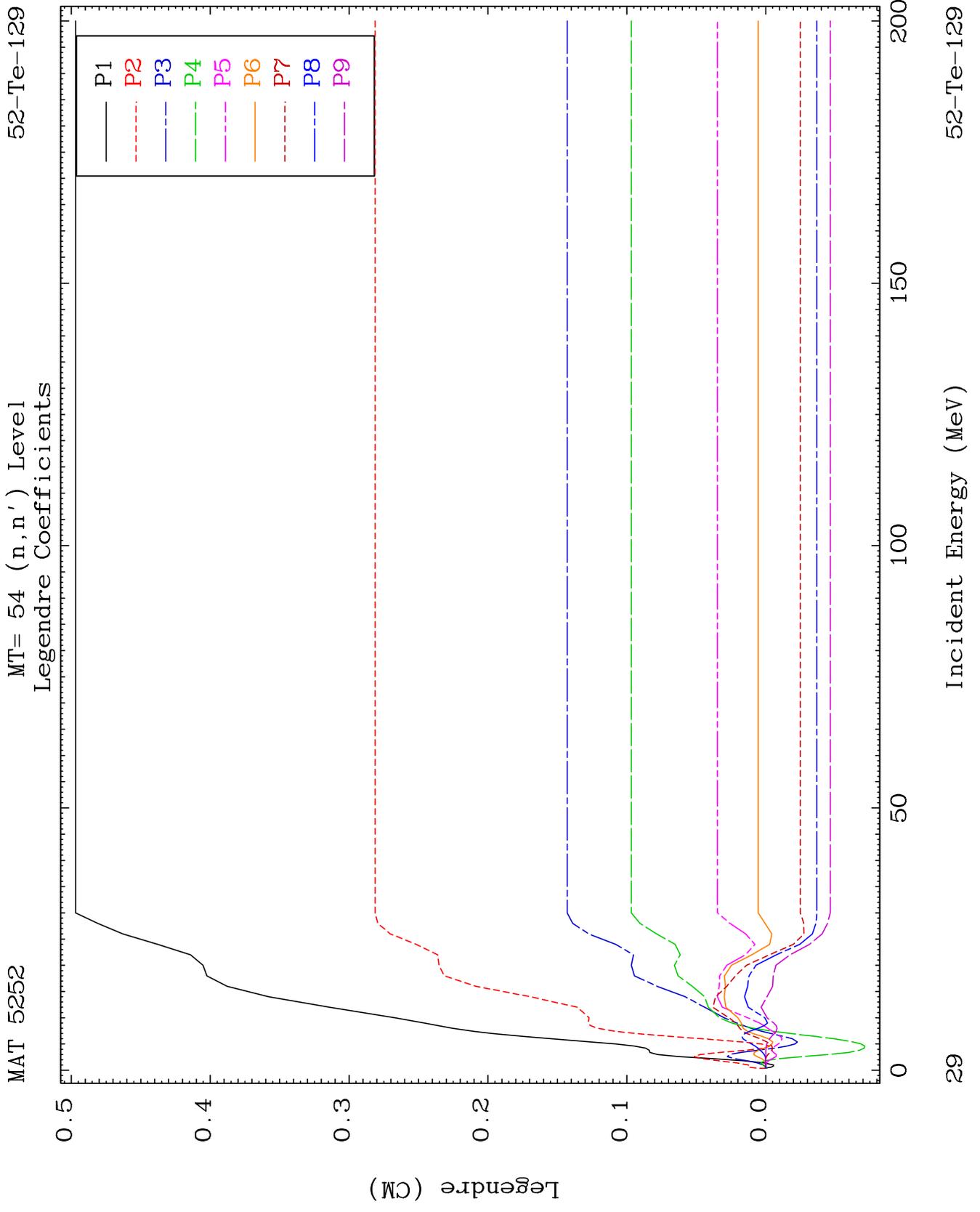
Incident Energy (MeV)

52-Te-129





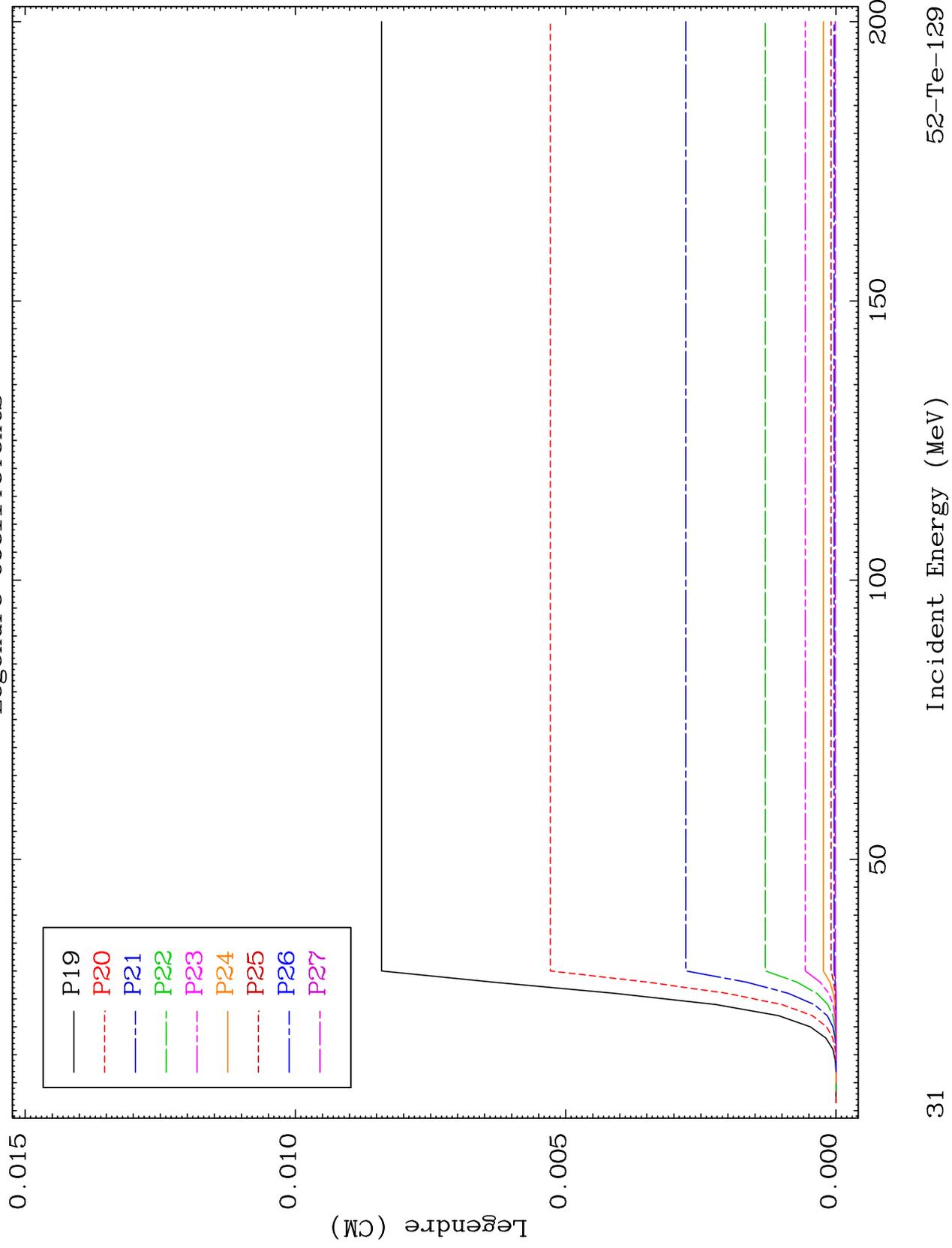




MAT 5252

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

52-Te-129



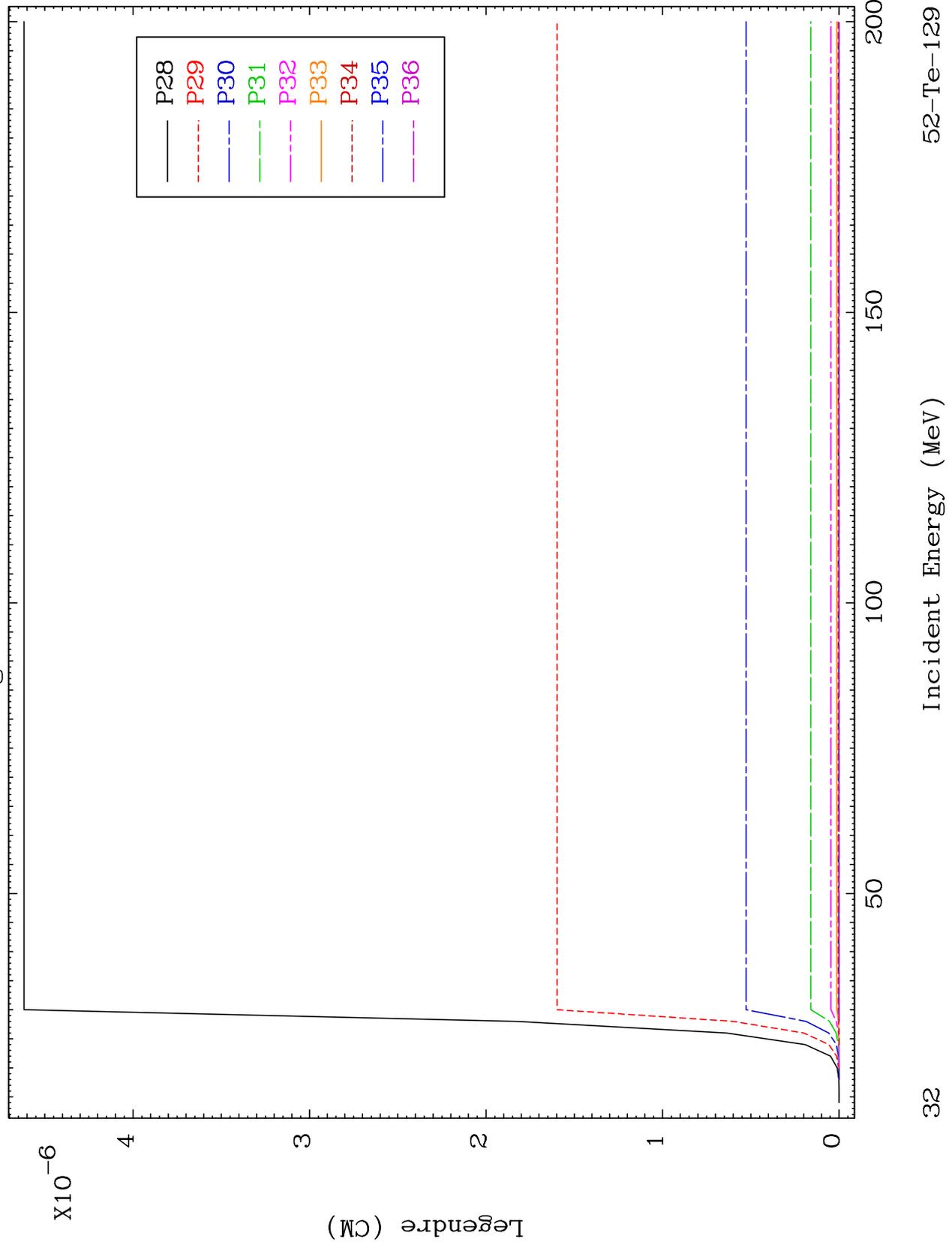
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52-Te-129

MAT 5252

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

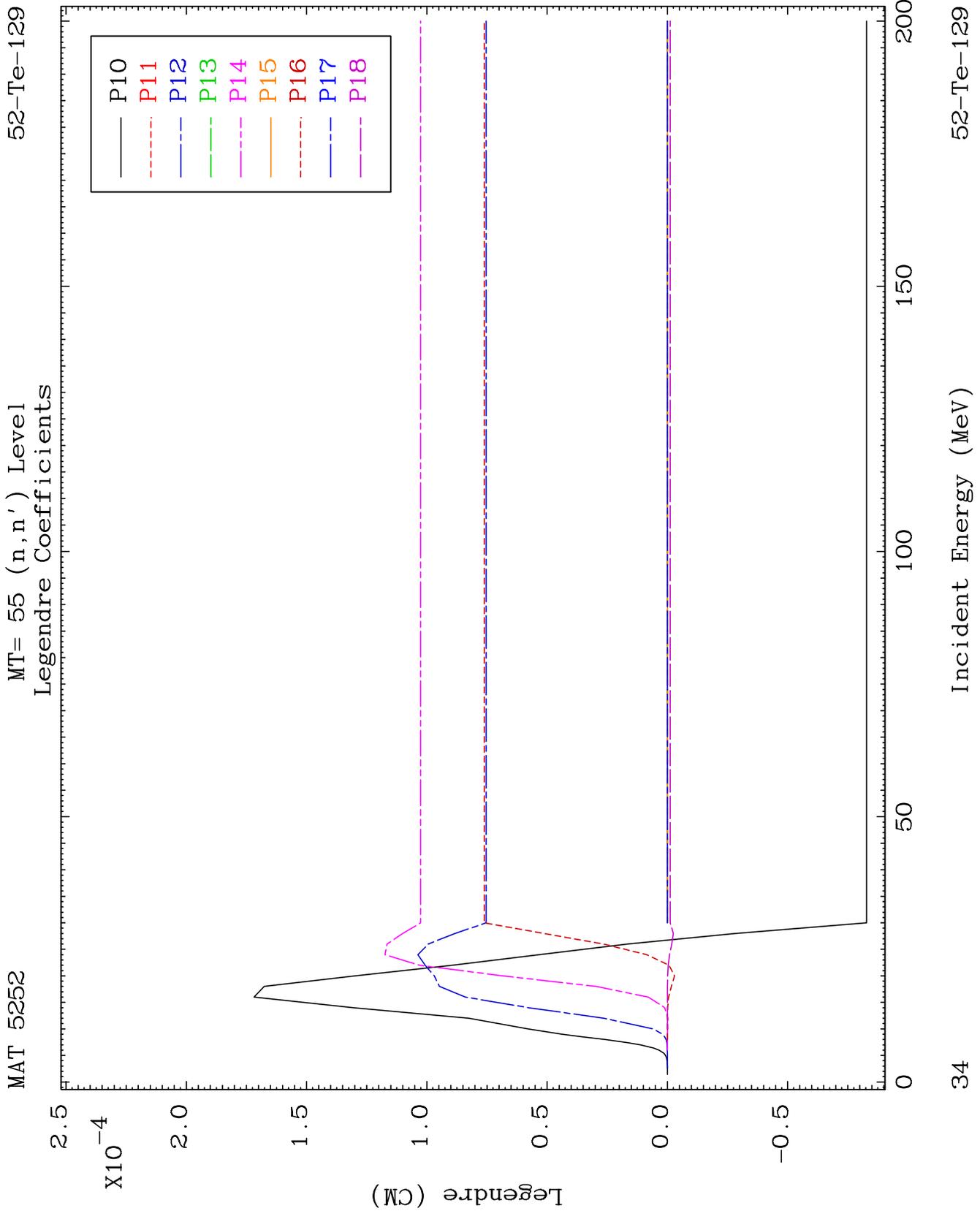
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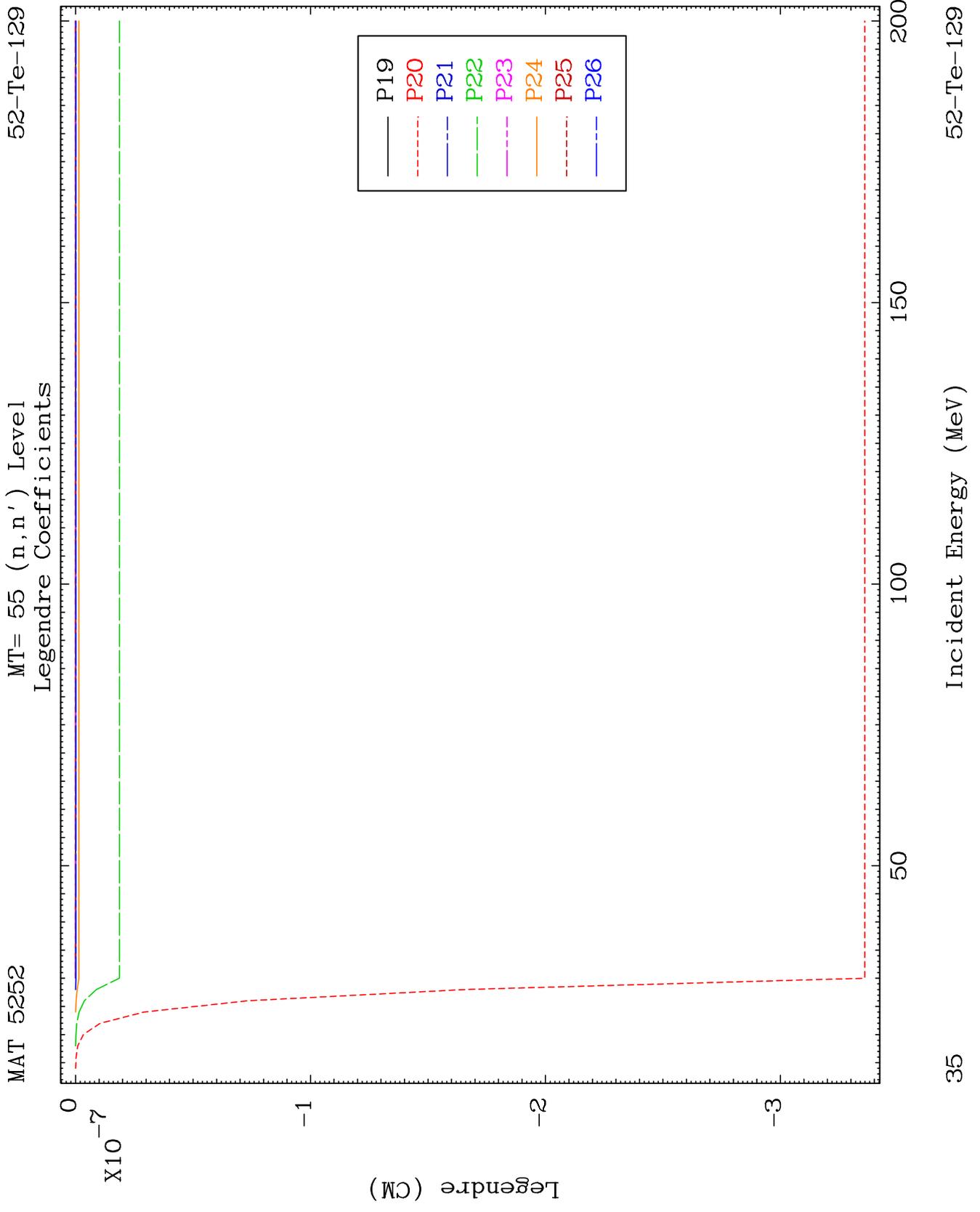


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Incident Energy (MeV)

52-Te-129

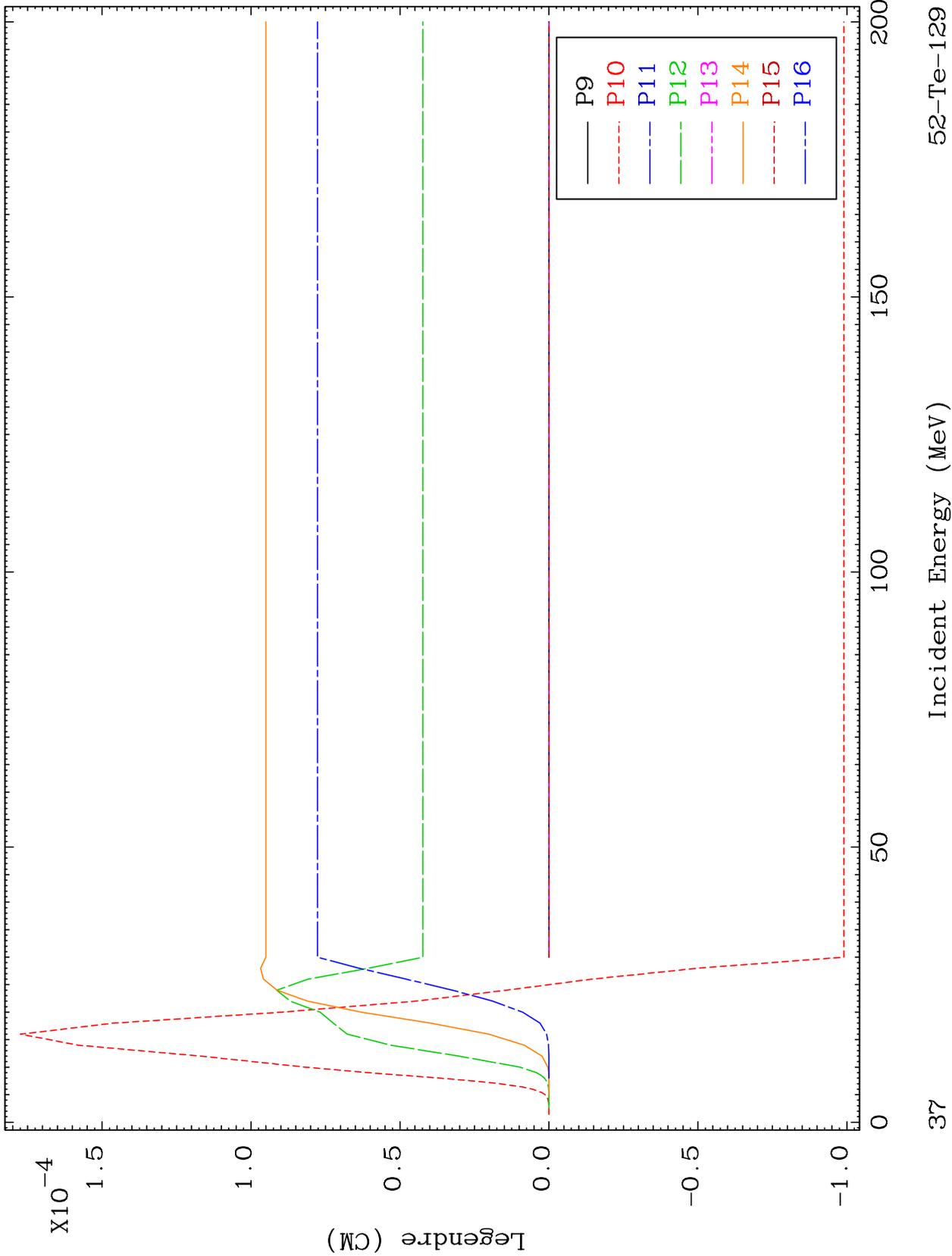




MAT 5252

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

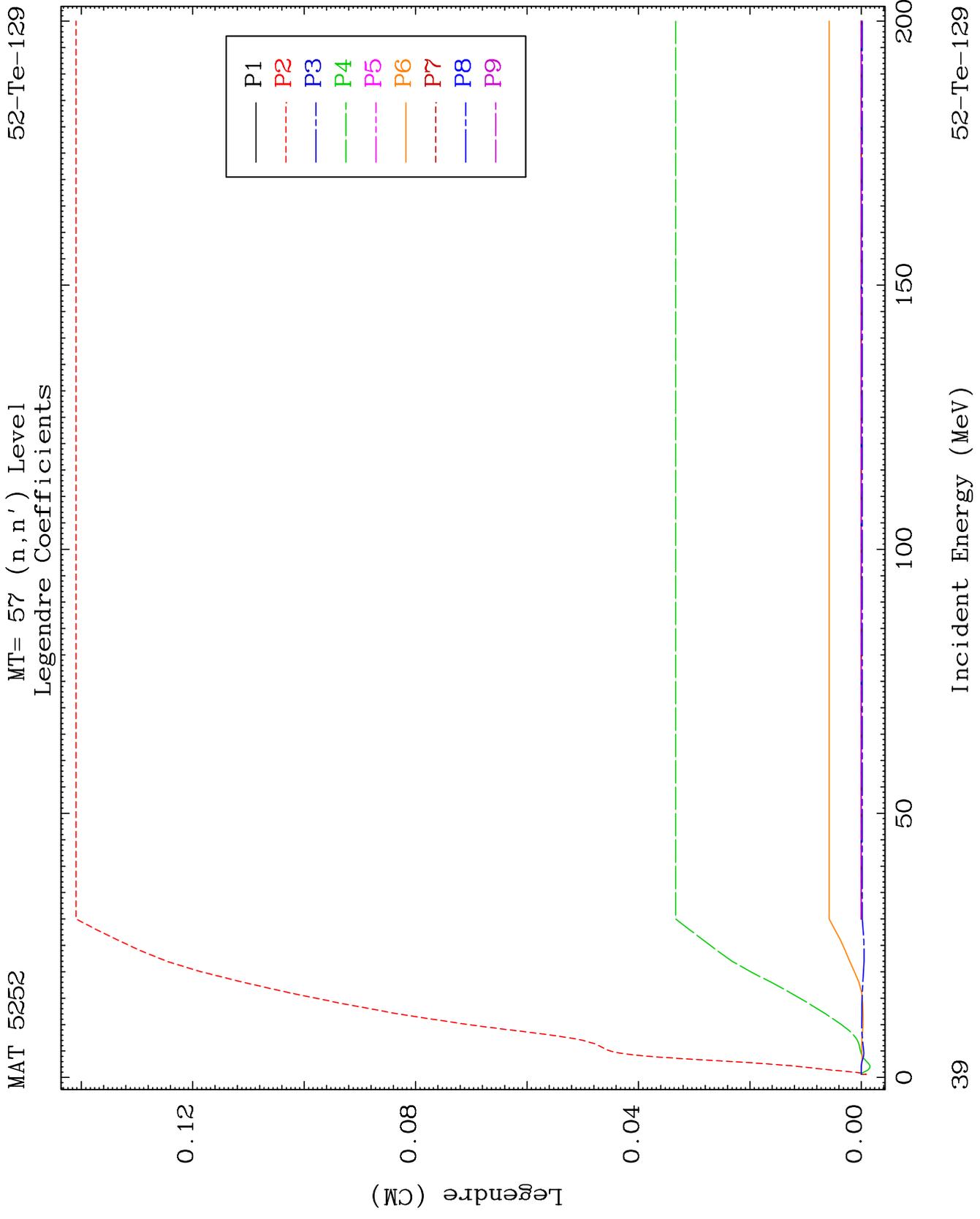
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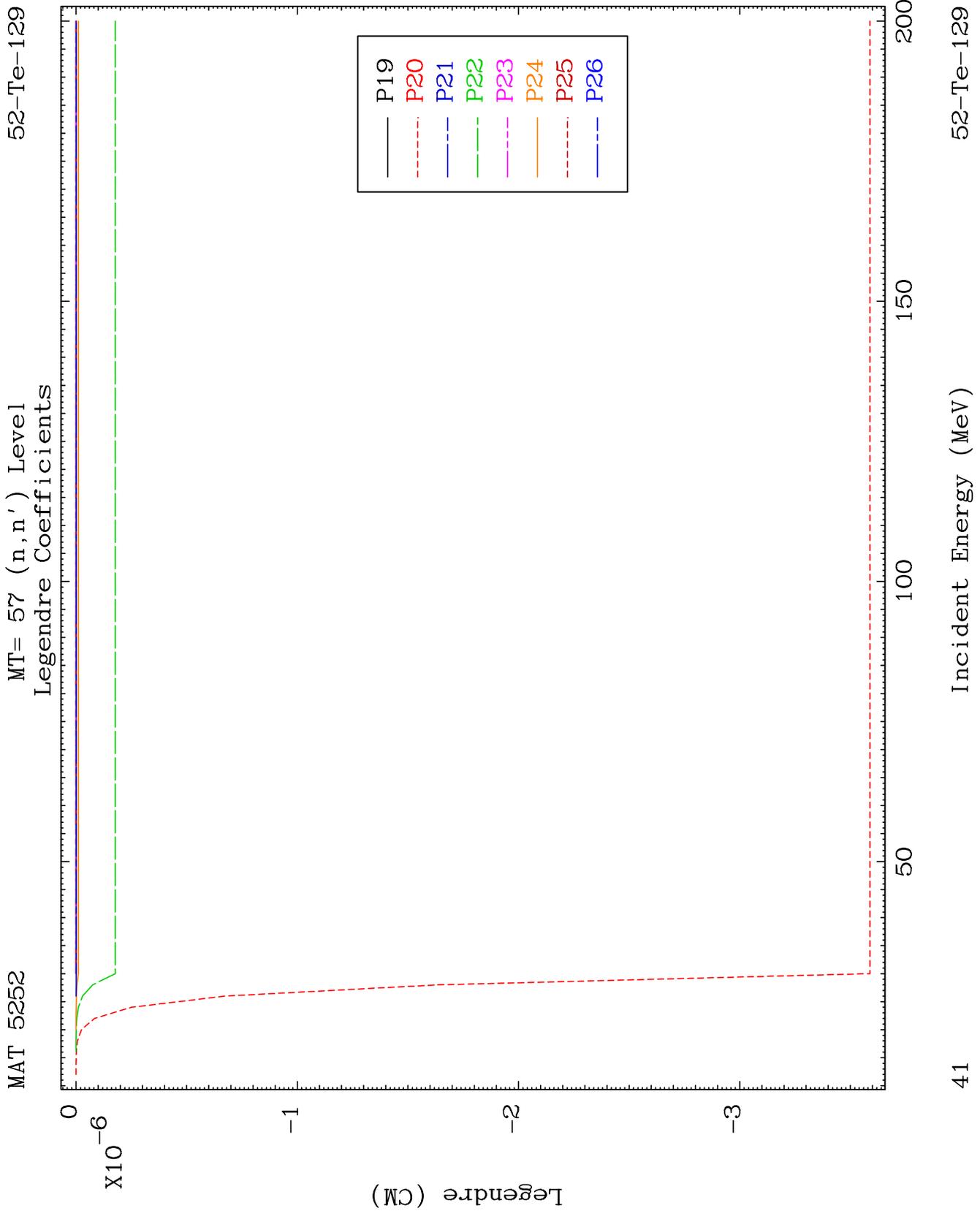


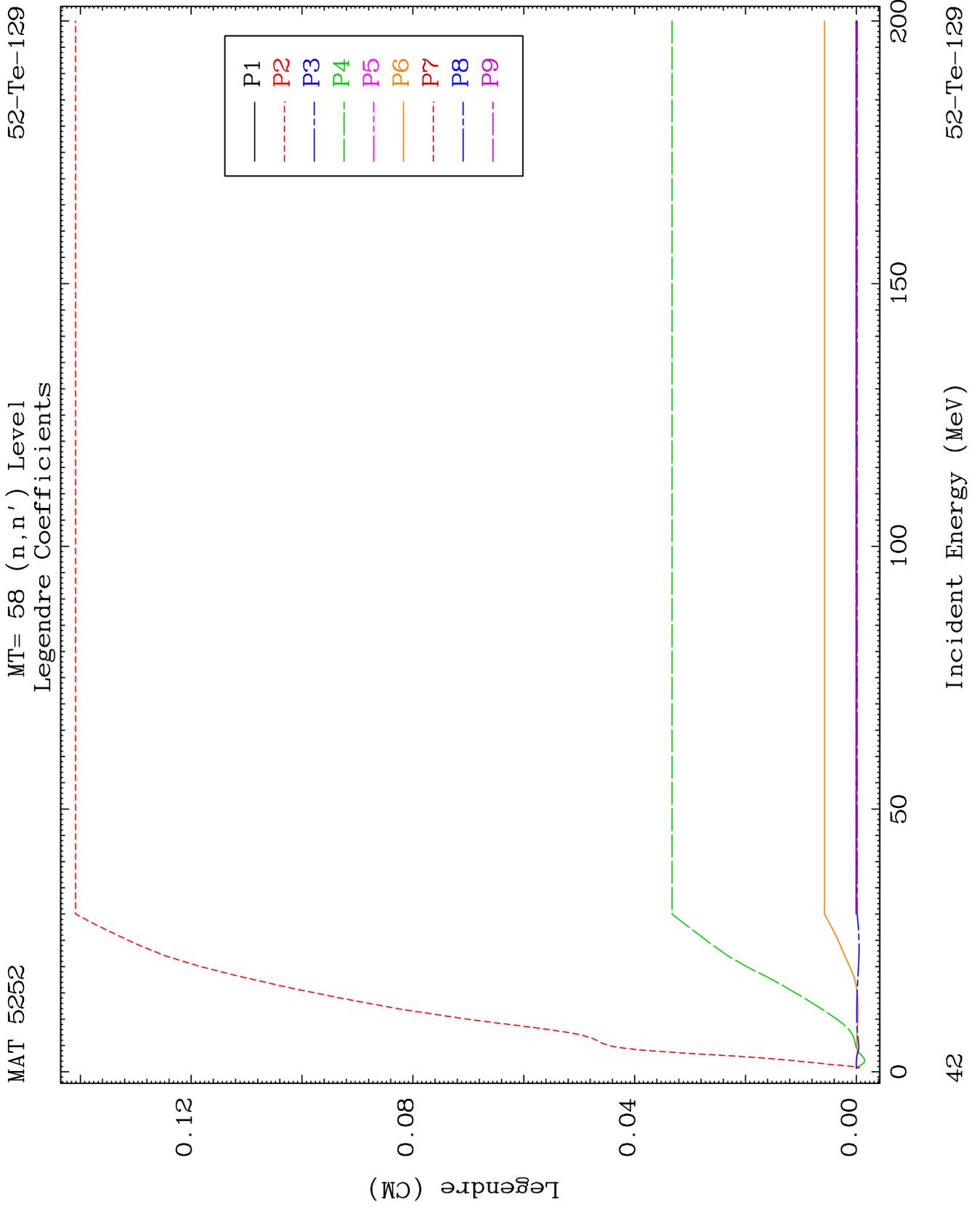
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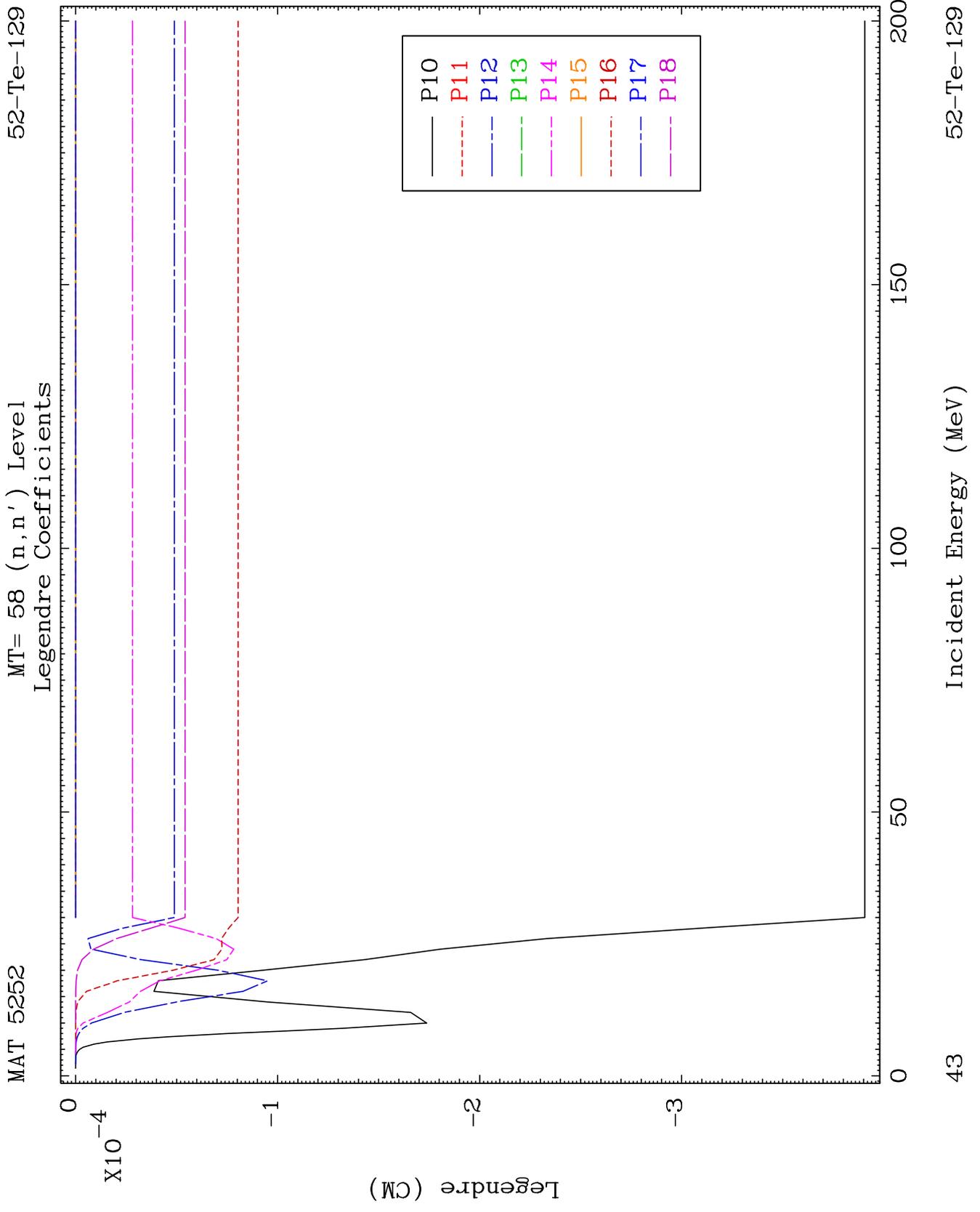
Incident Energy (MeV)

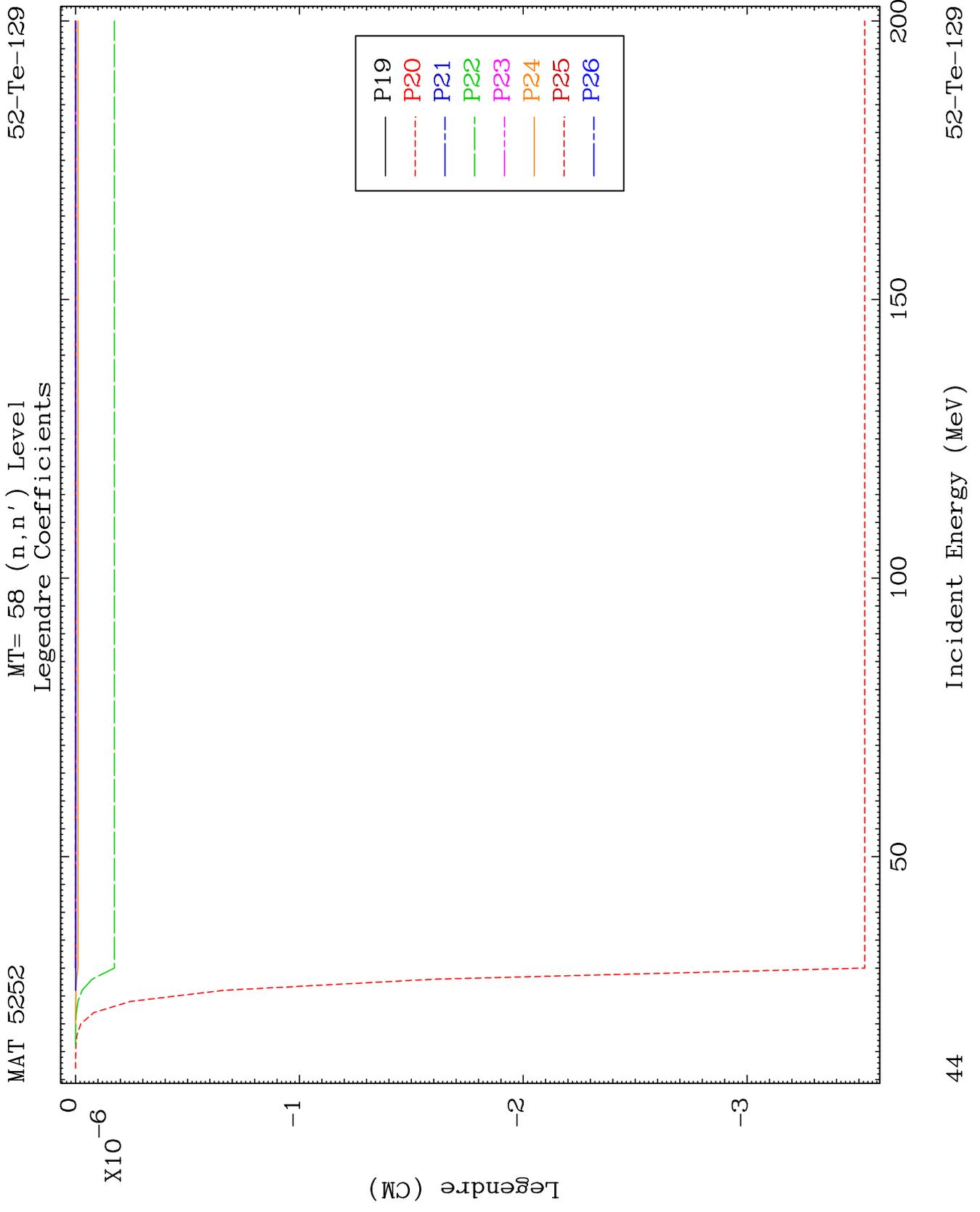
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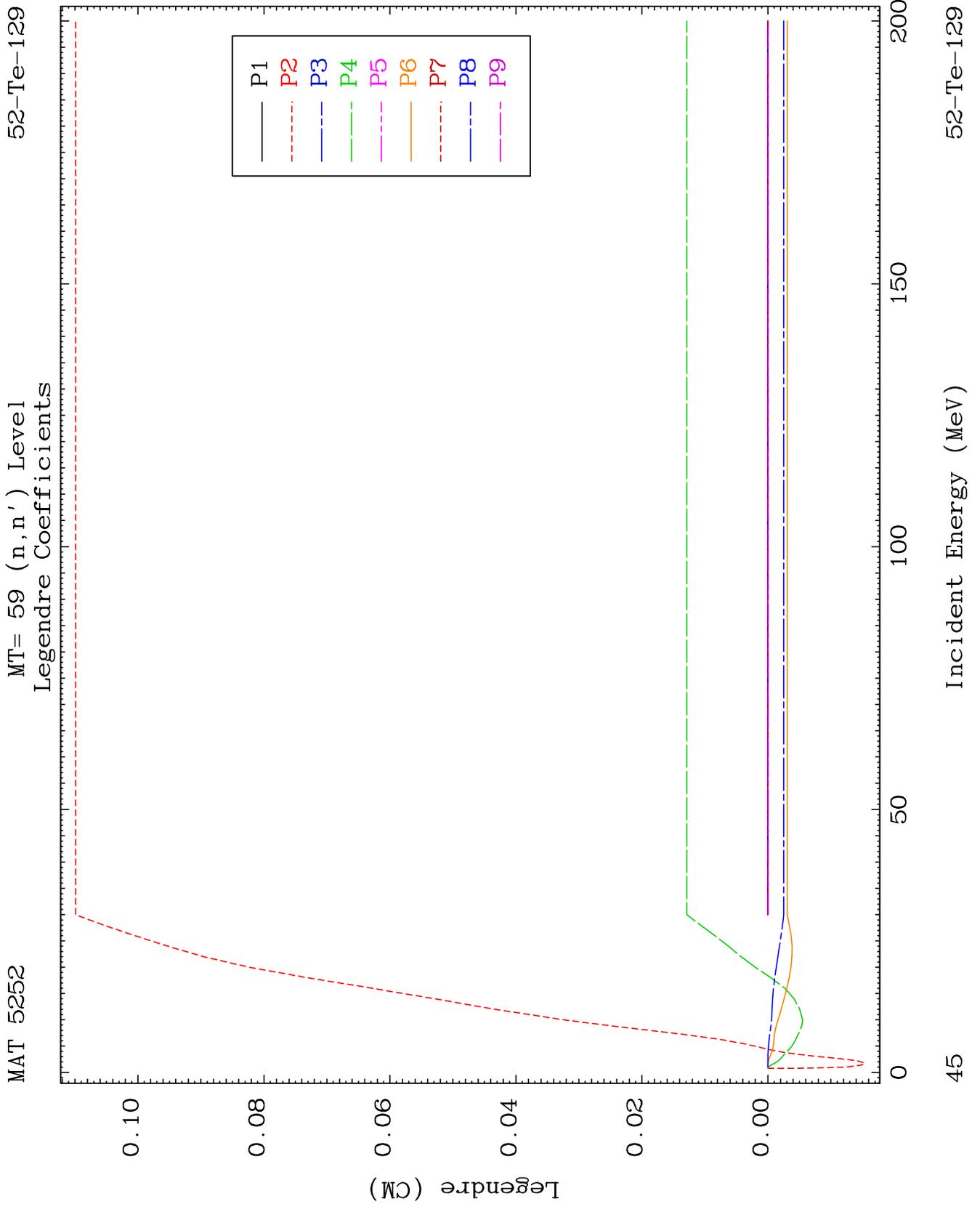


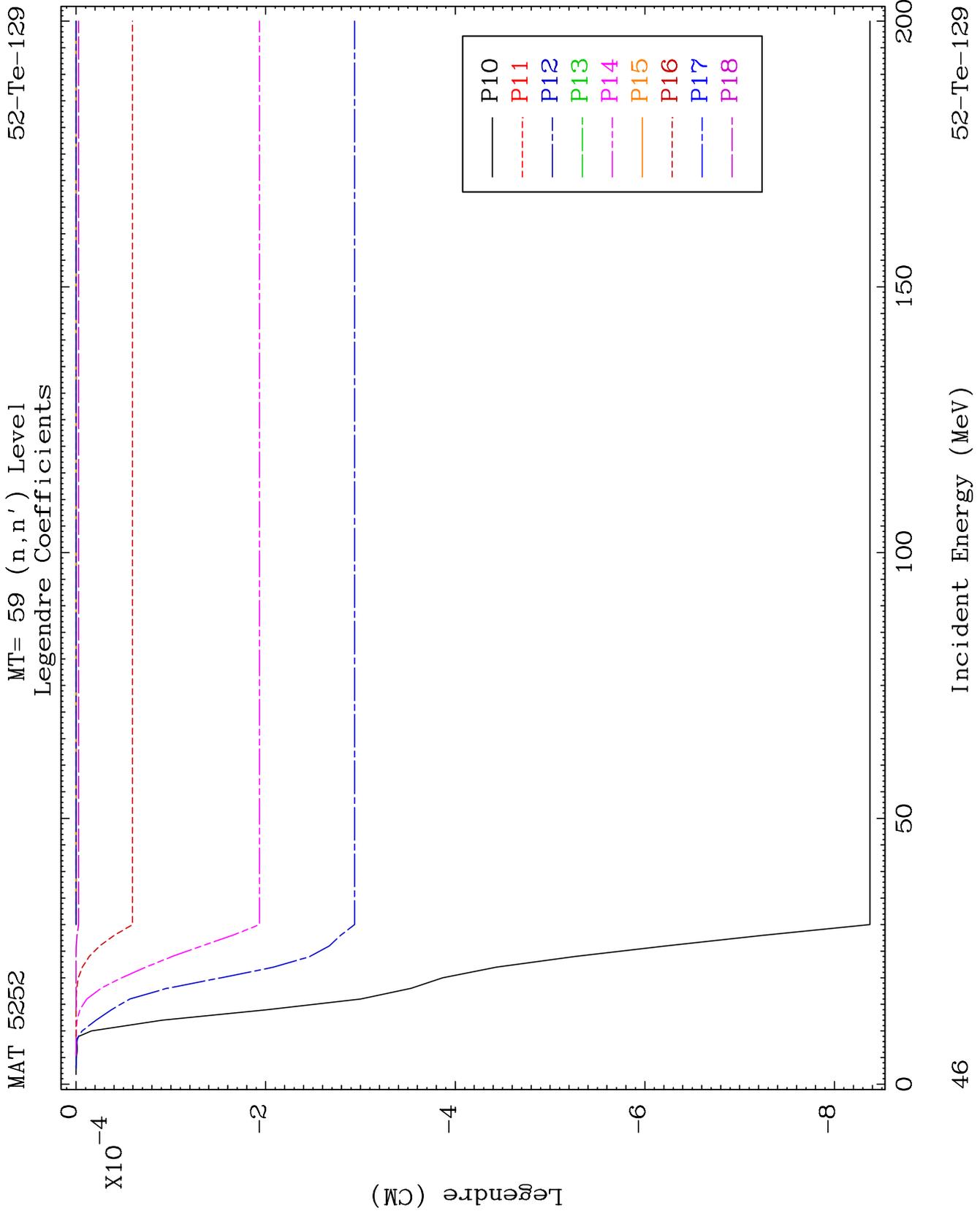


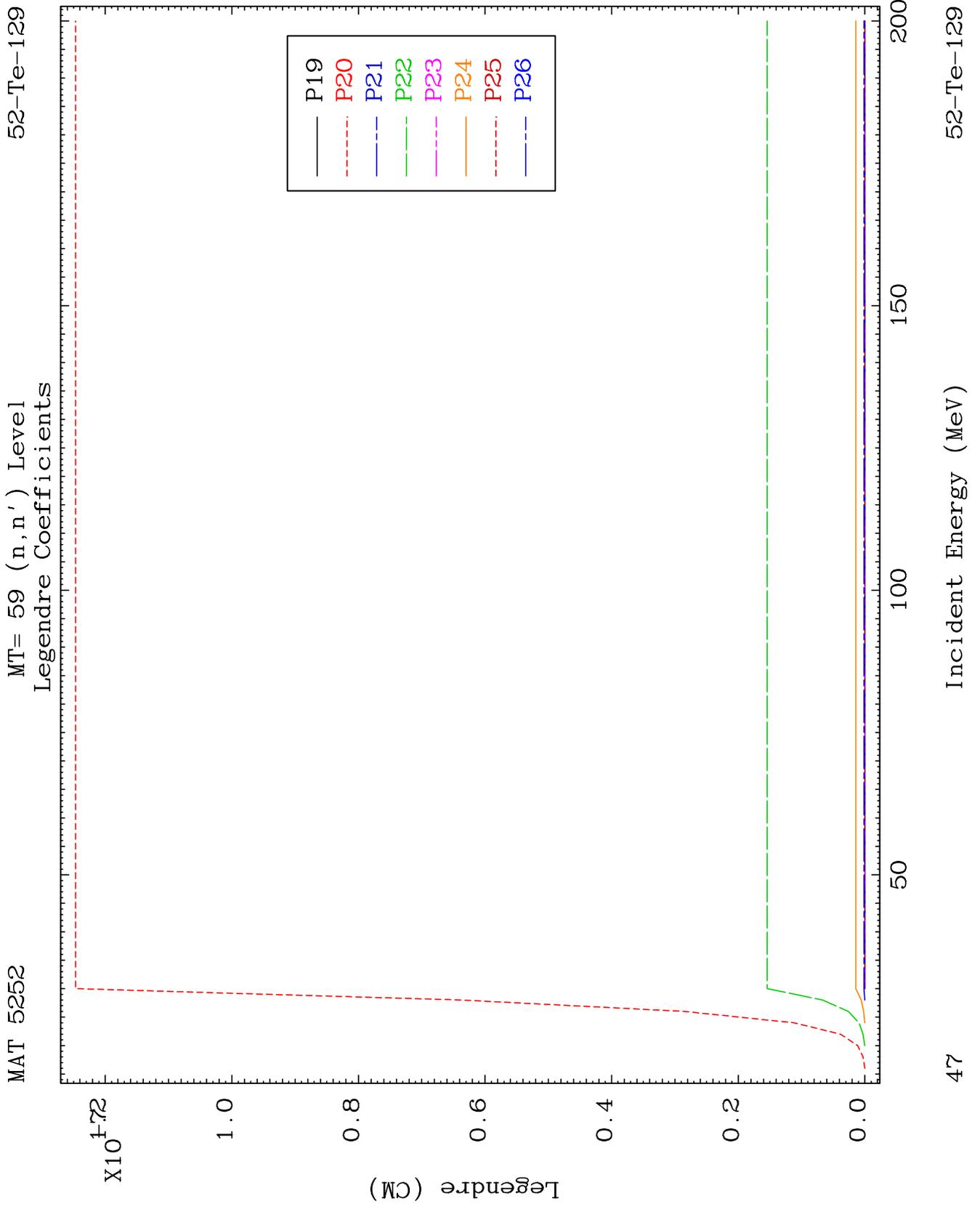








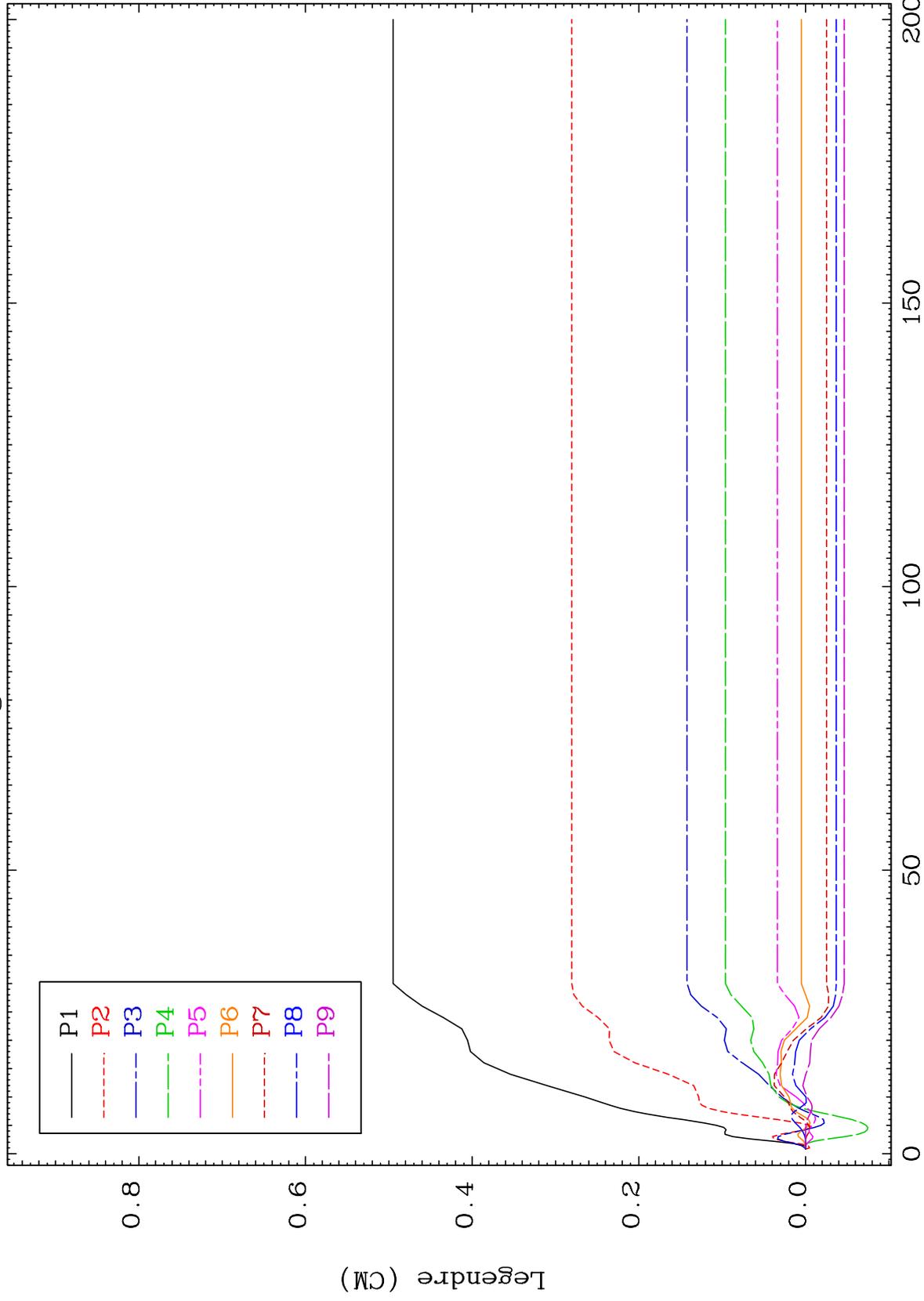




MAT 5252

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

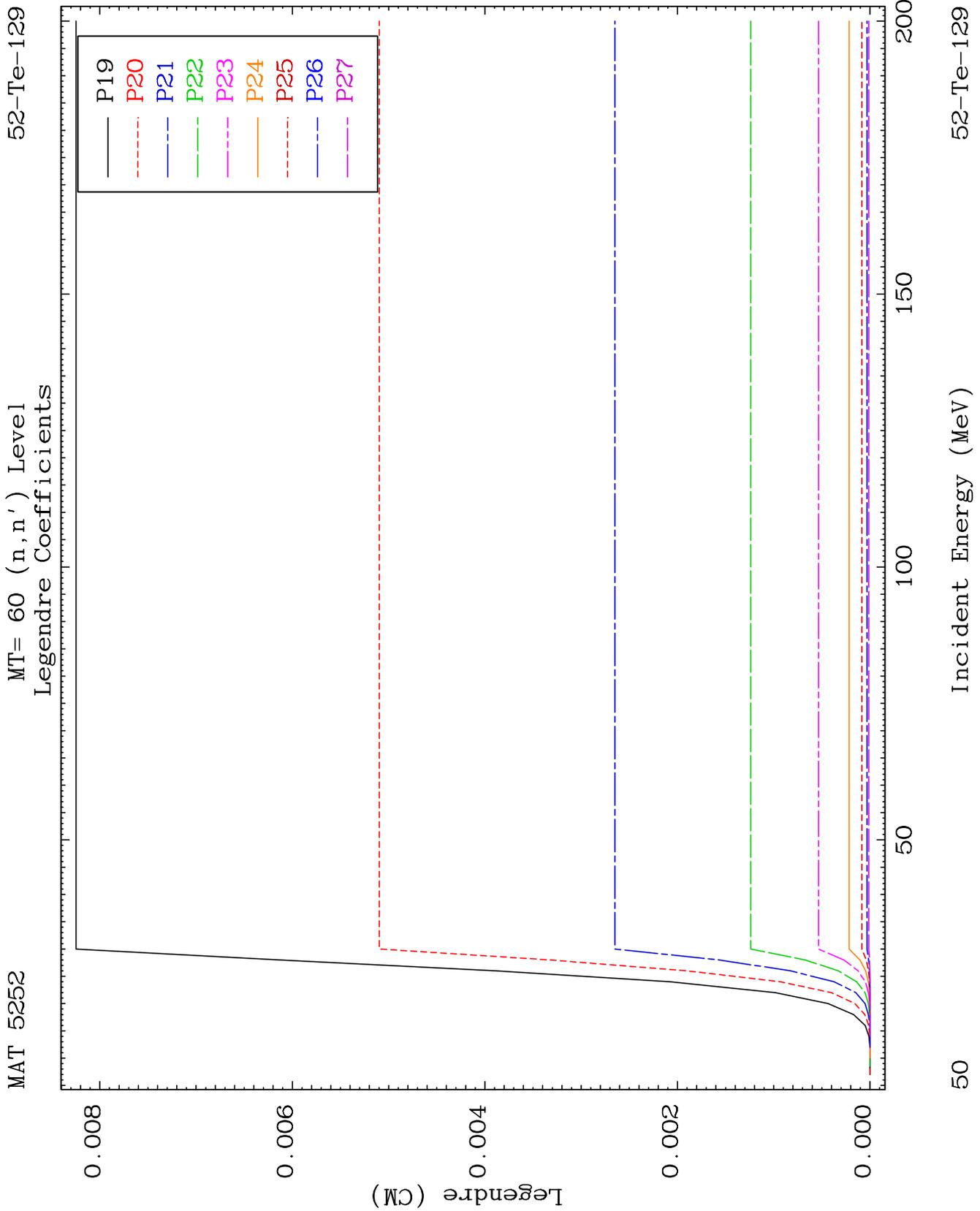
52-Te-129



48

Incident Energy (MeV)

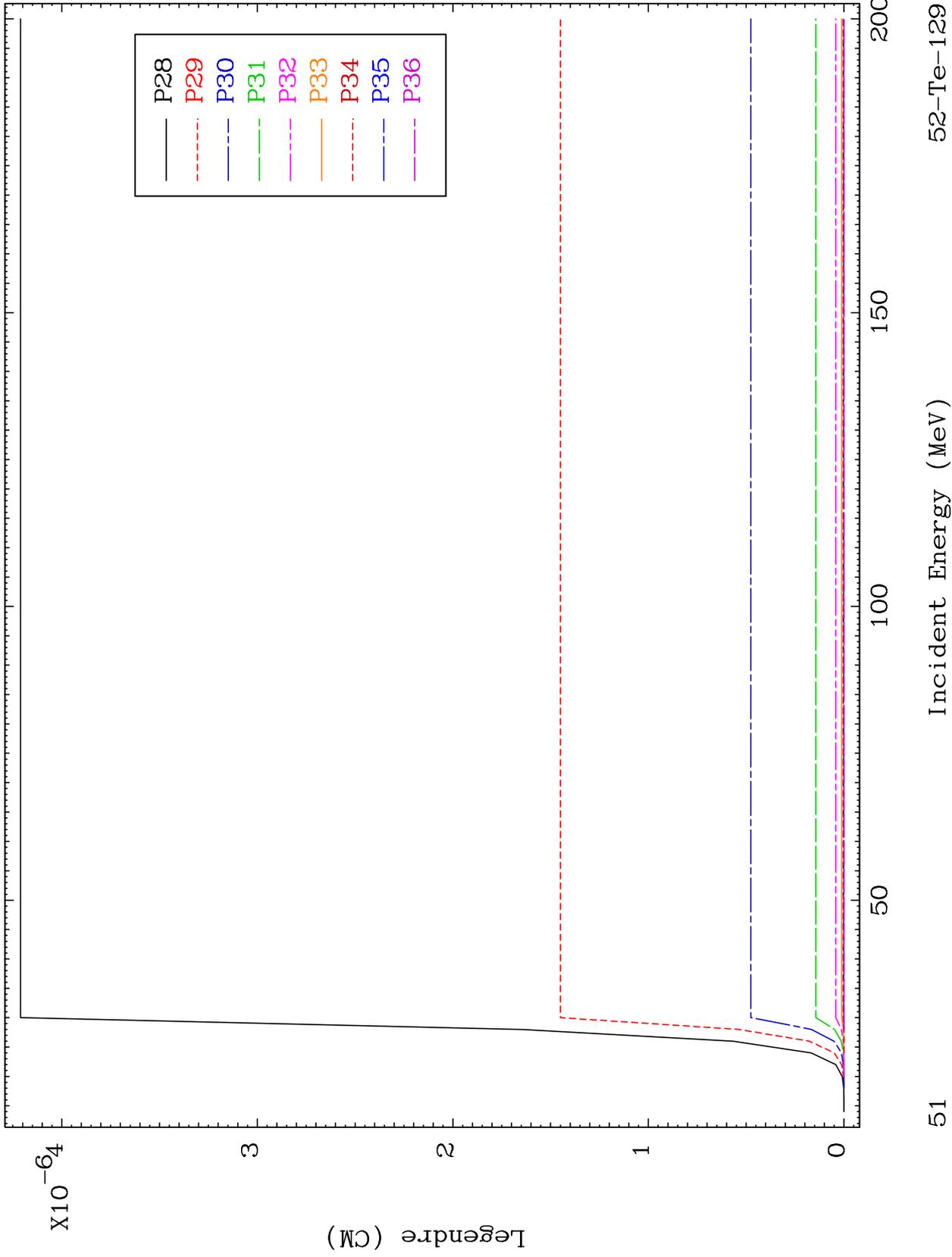
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MAT 5252

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

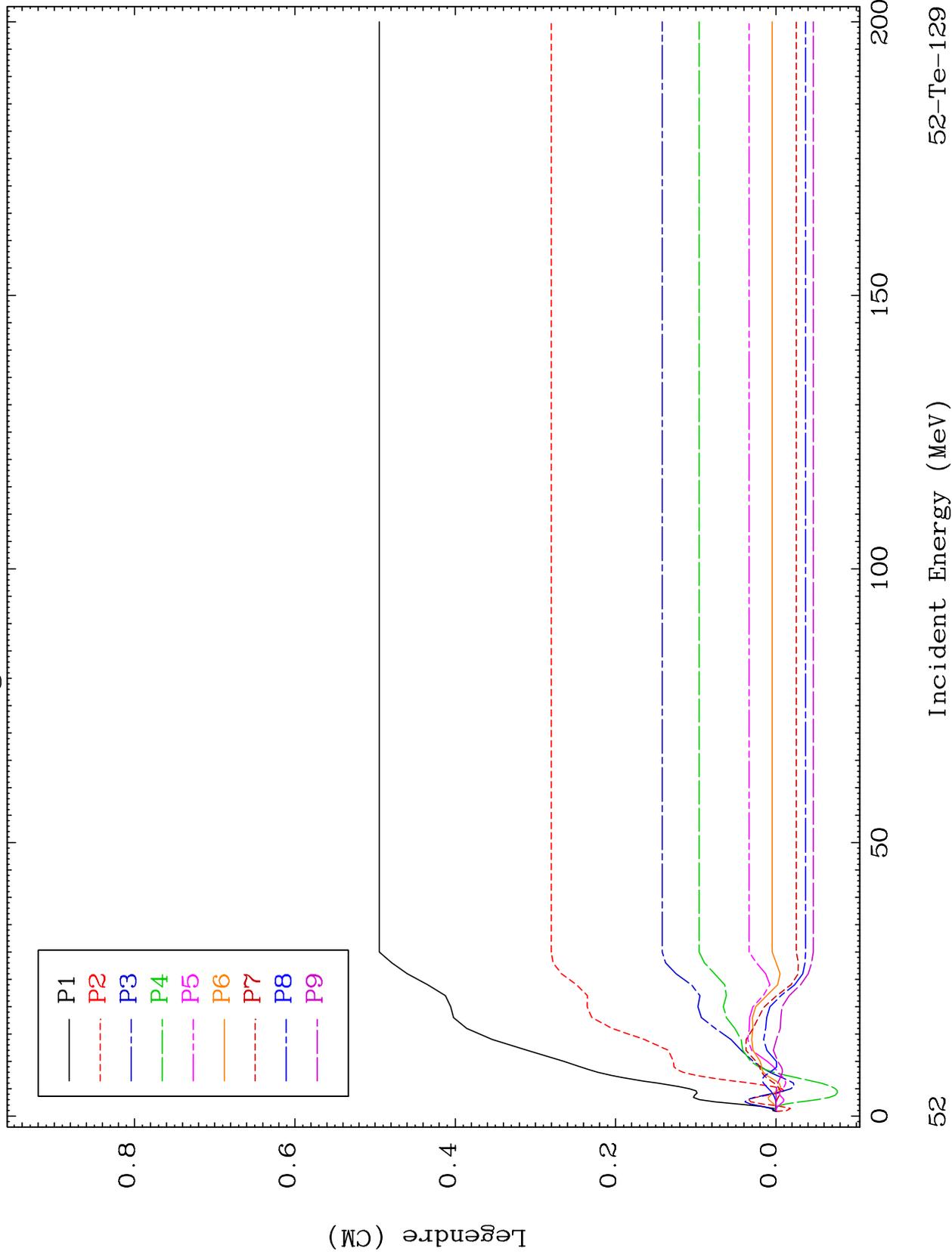
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MAT 5252

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

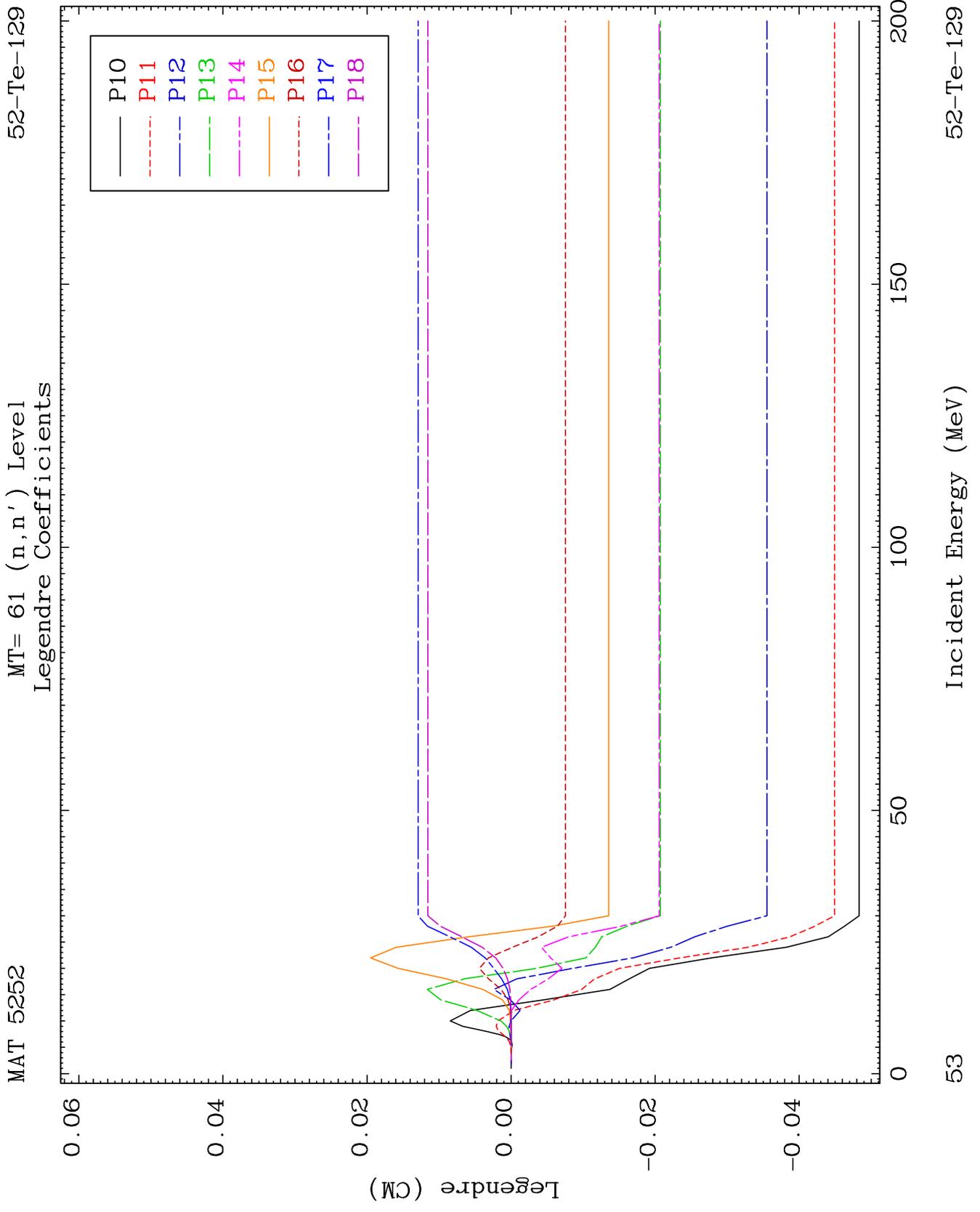
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52-Te-129

Incident Energy (MeV)

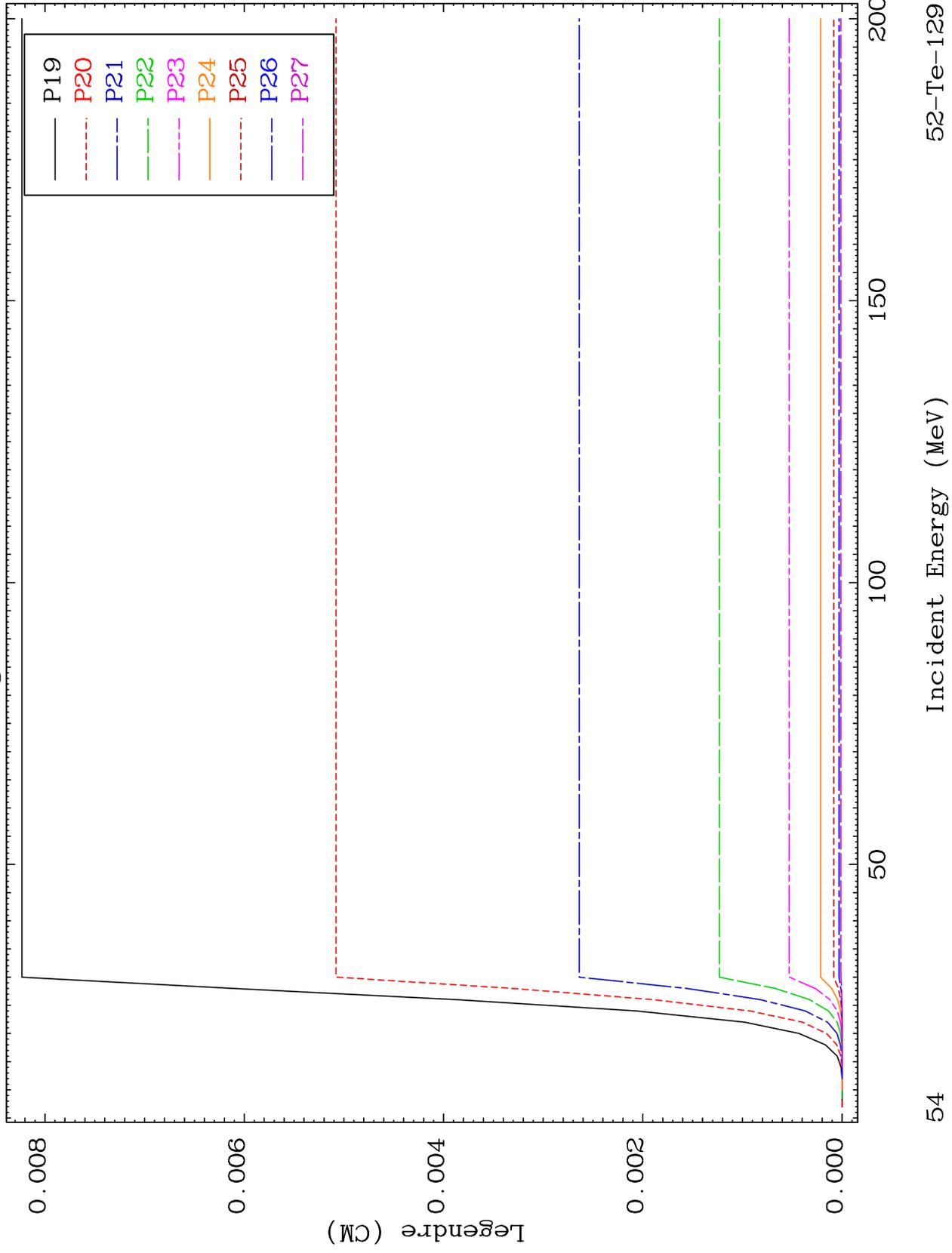
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MAT 5252

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

52-Te-129



54

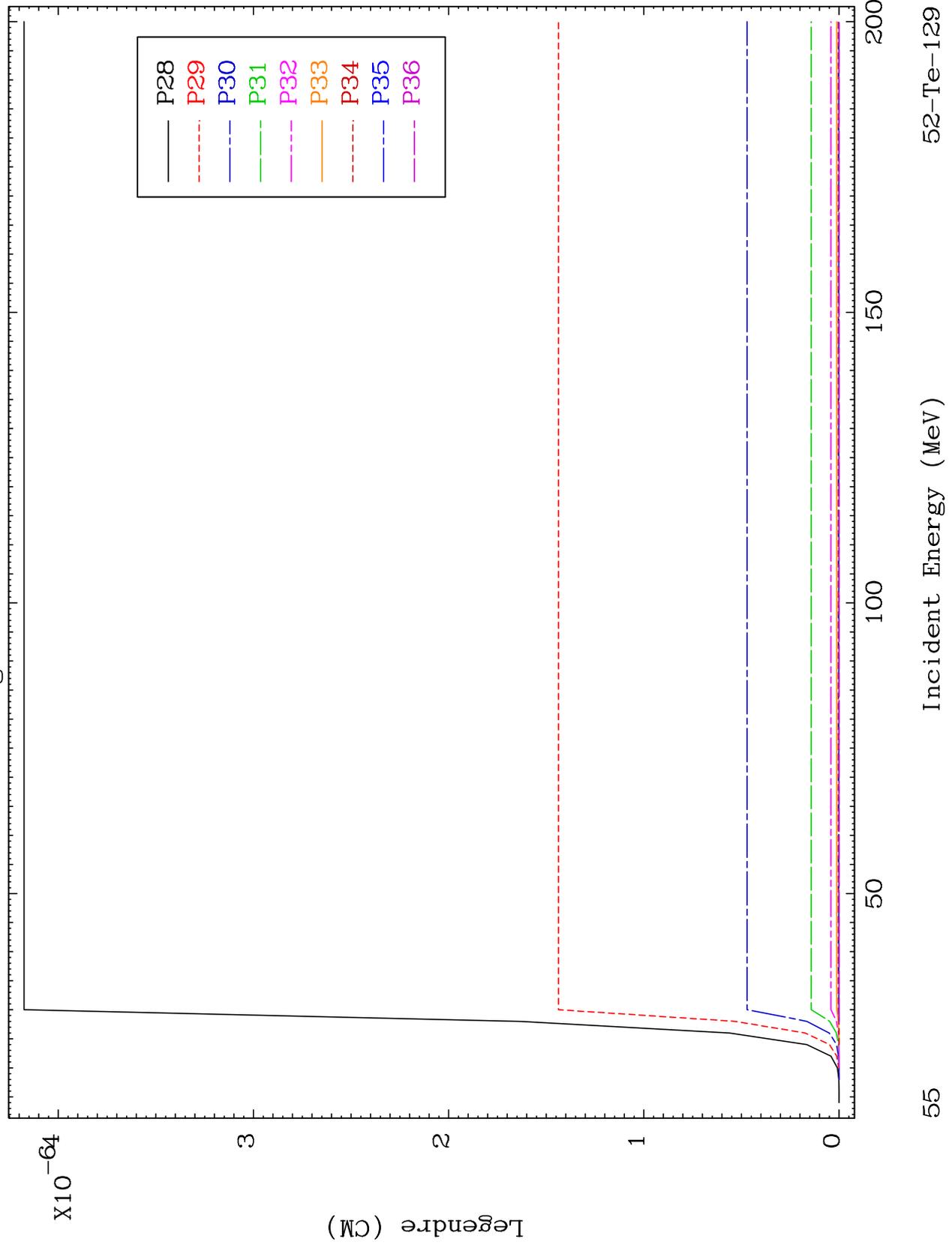
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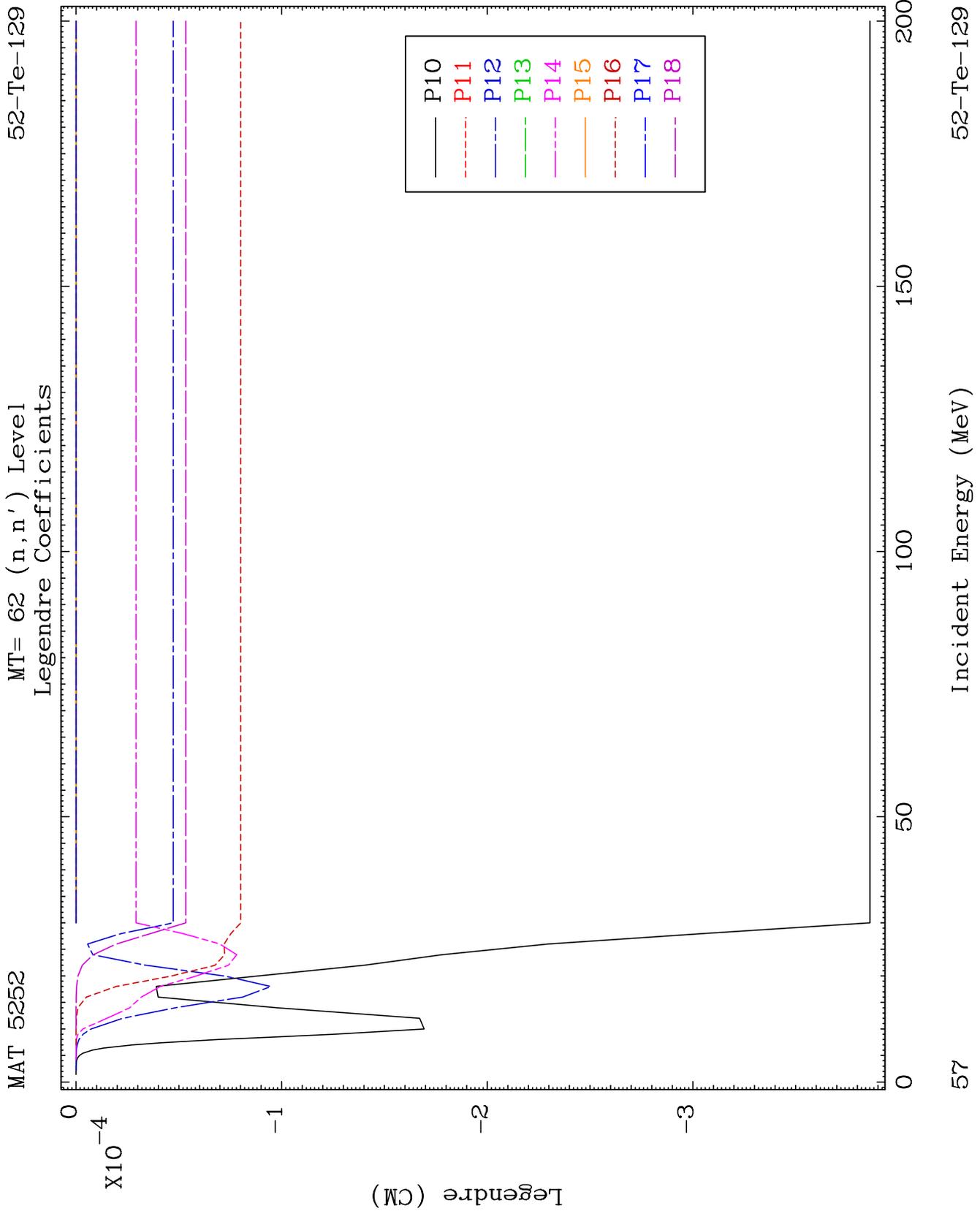
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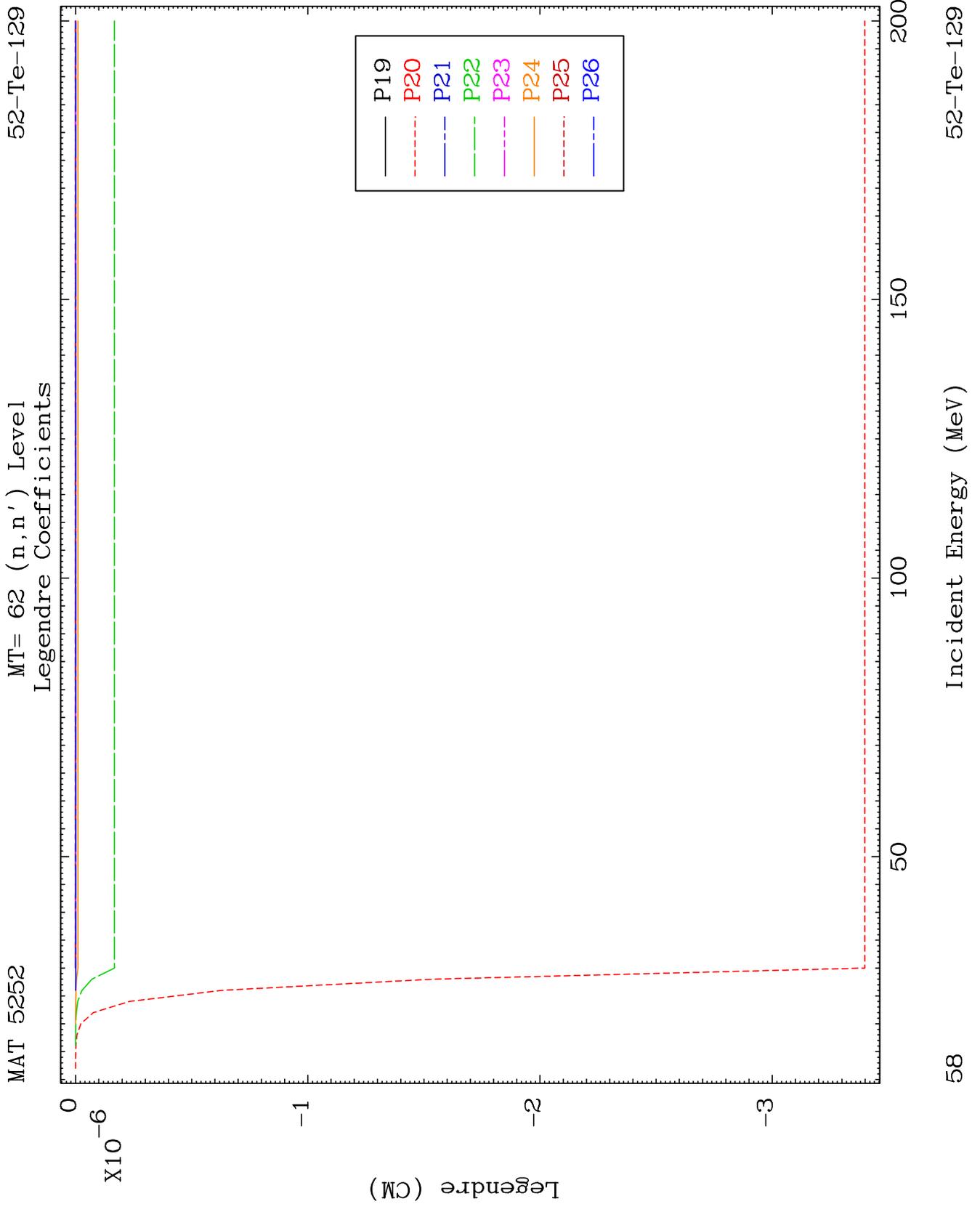
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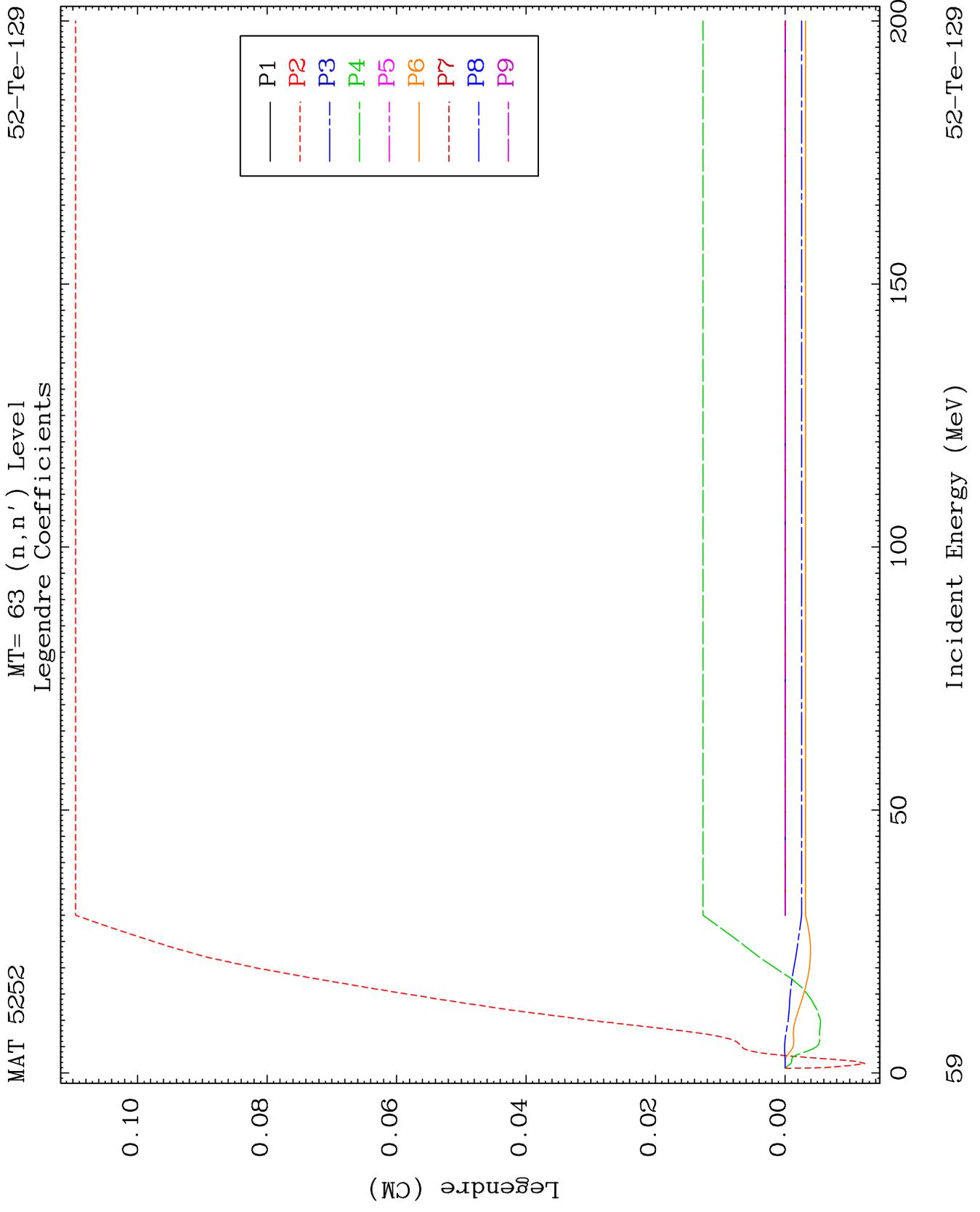
MT= 61 (n,n') Level
Legendre Coefficients

52-Te-129





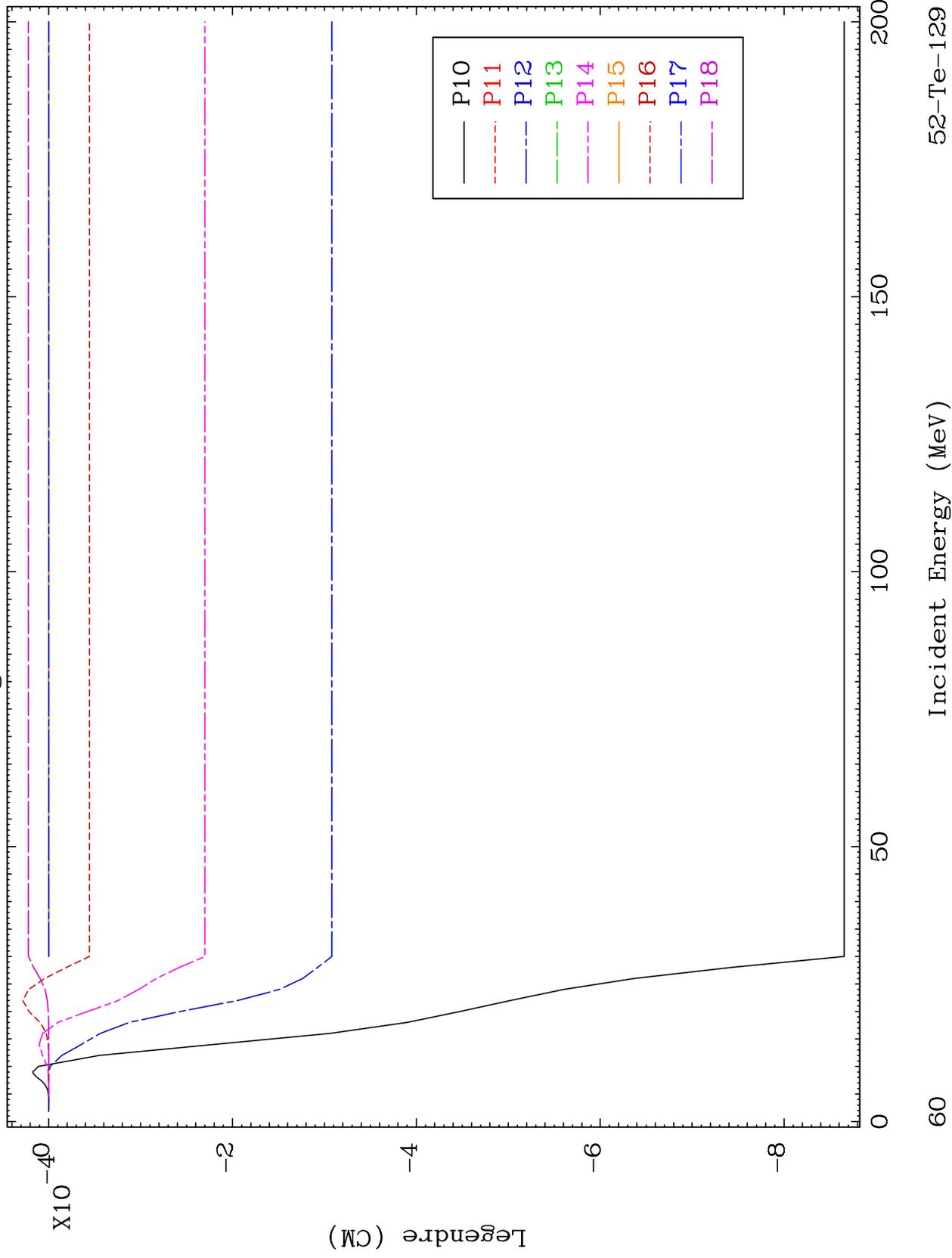




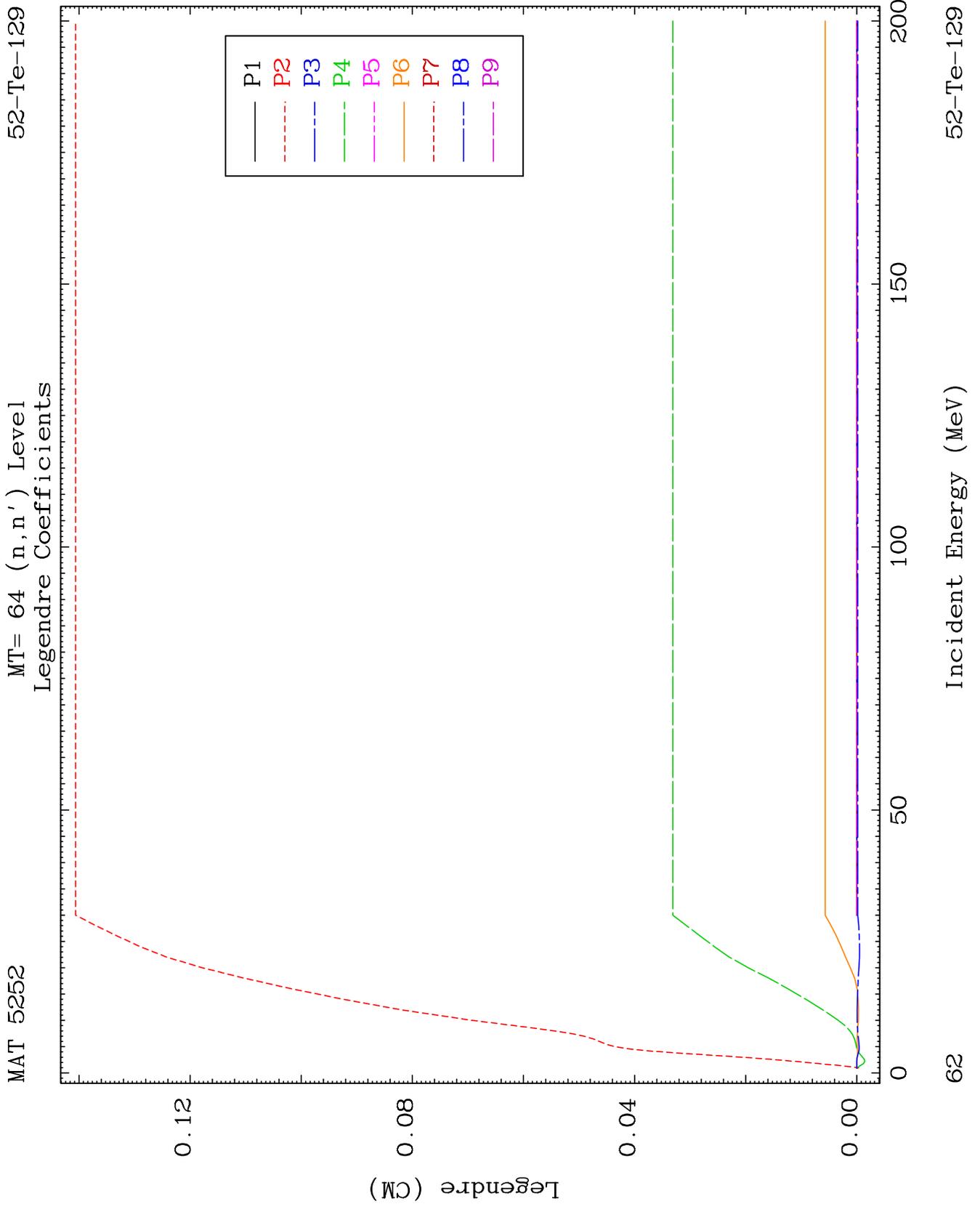
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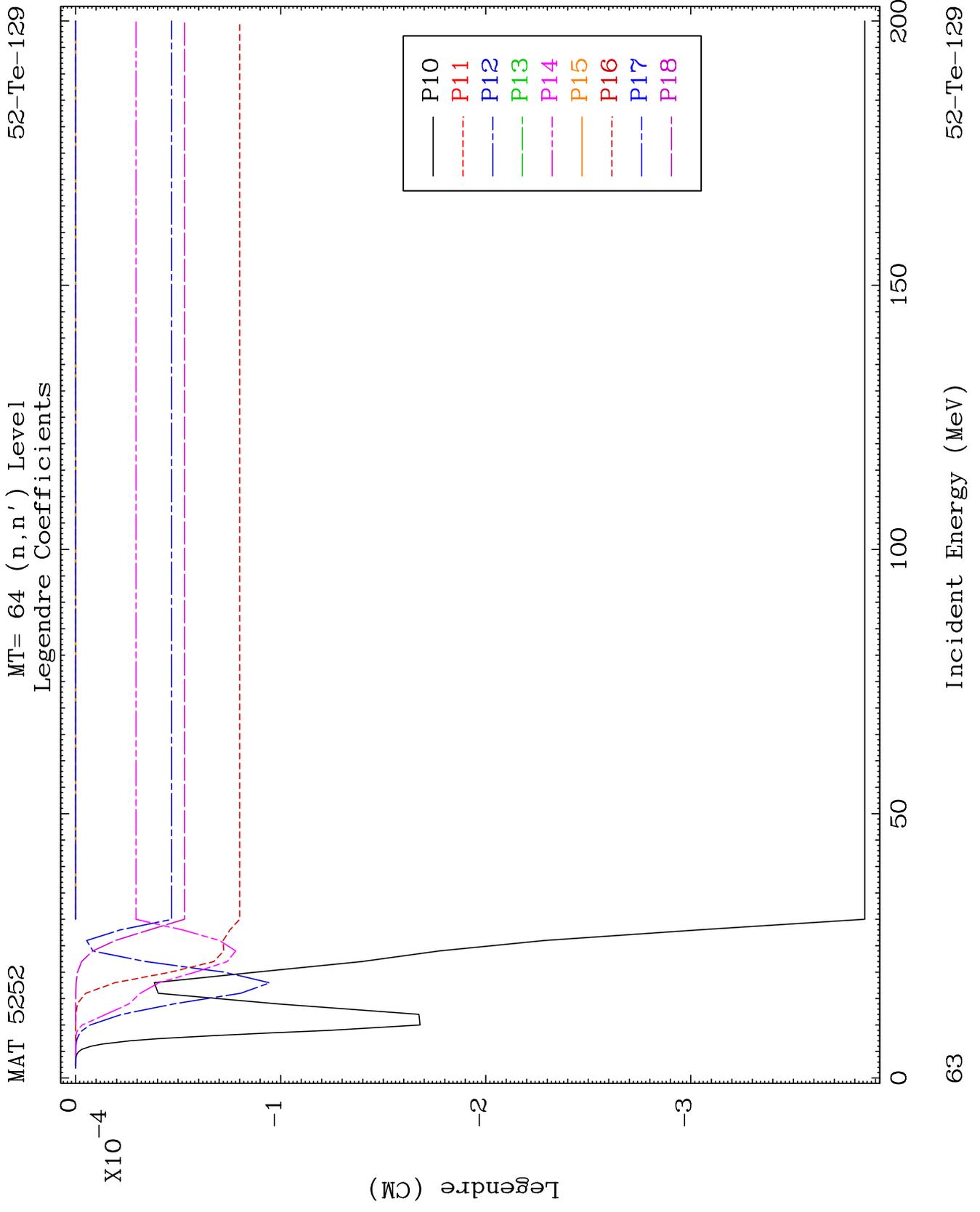
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Legendre Coefficients

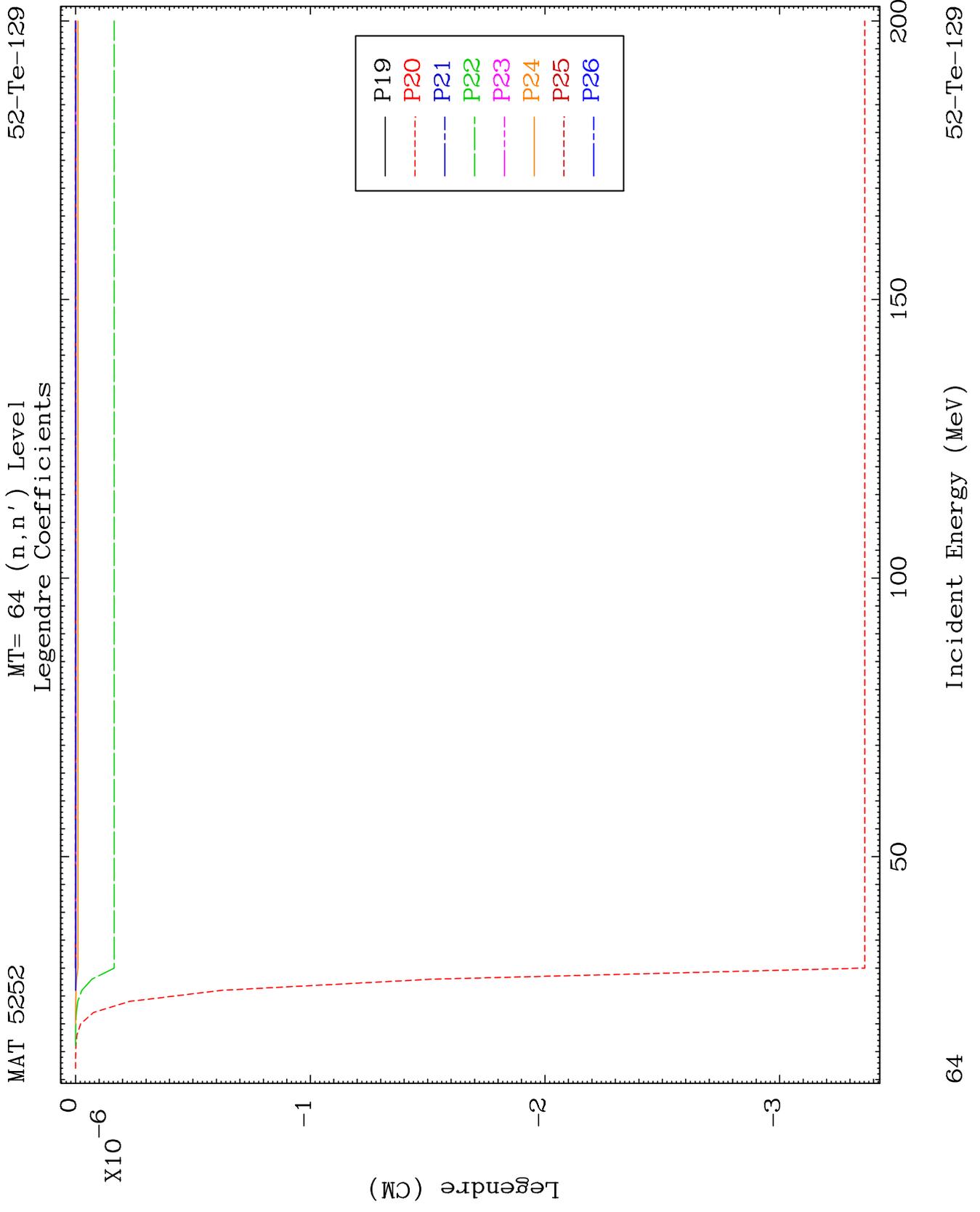
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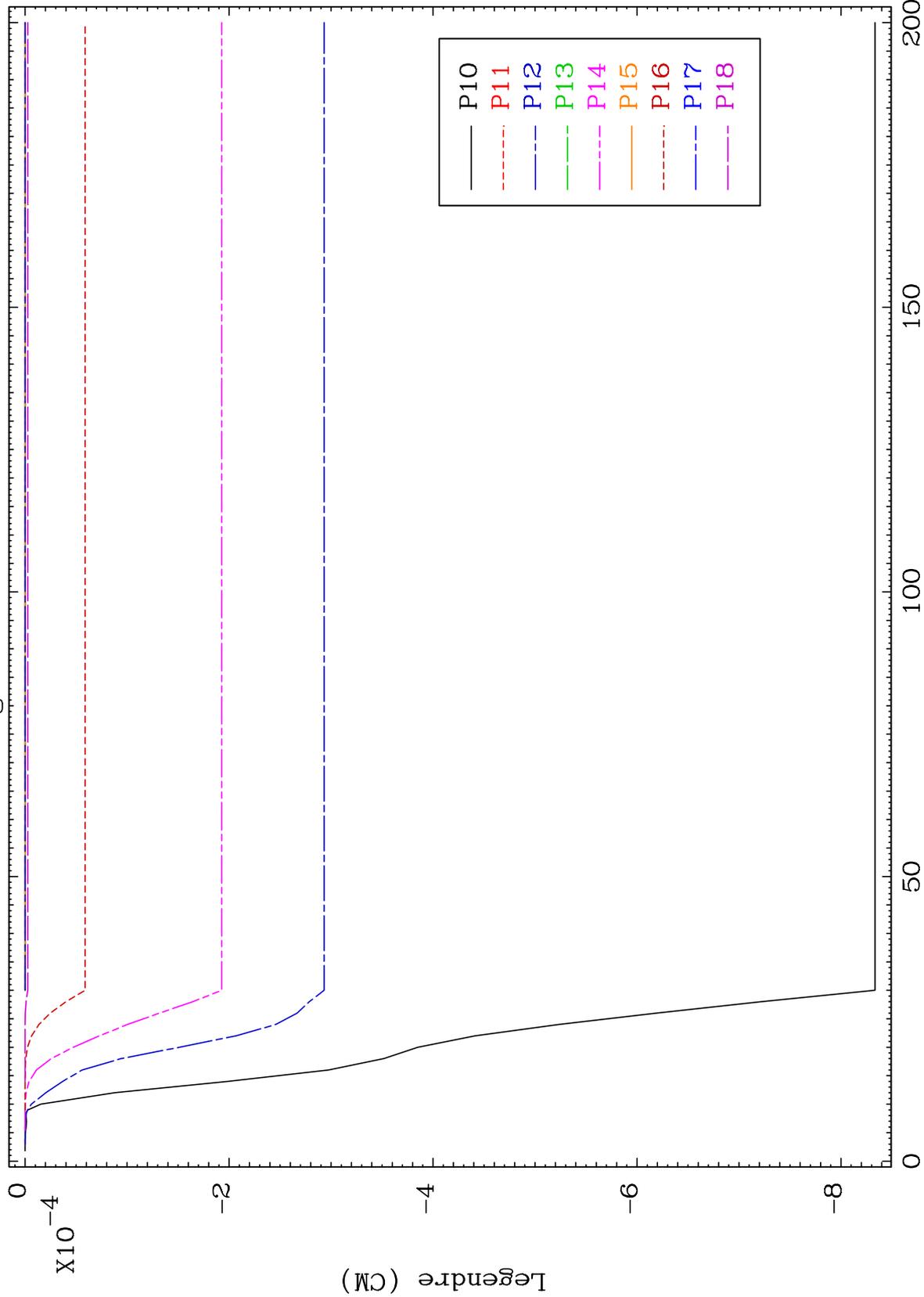


MAT 5252

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52-Te-129

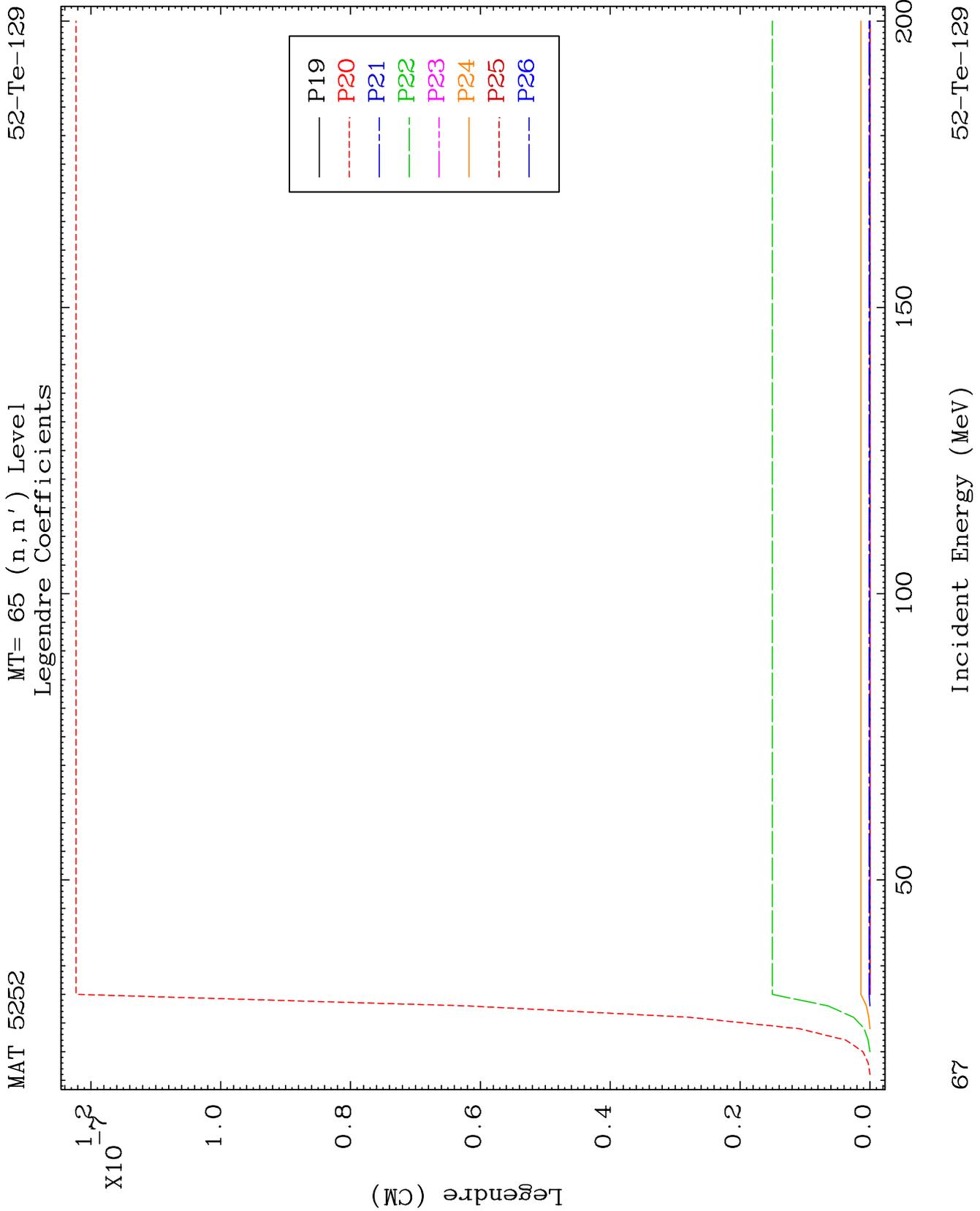
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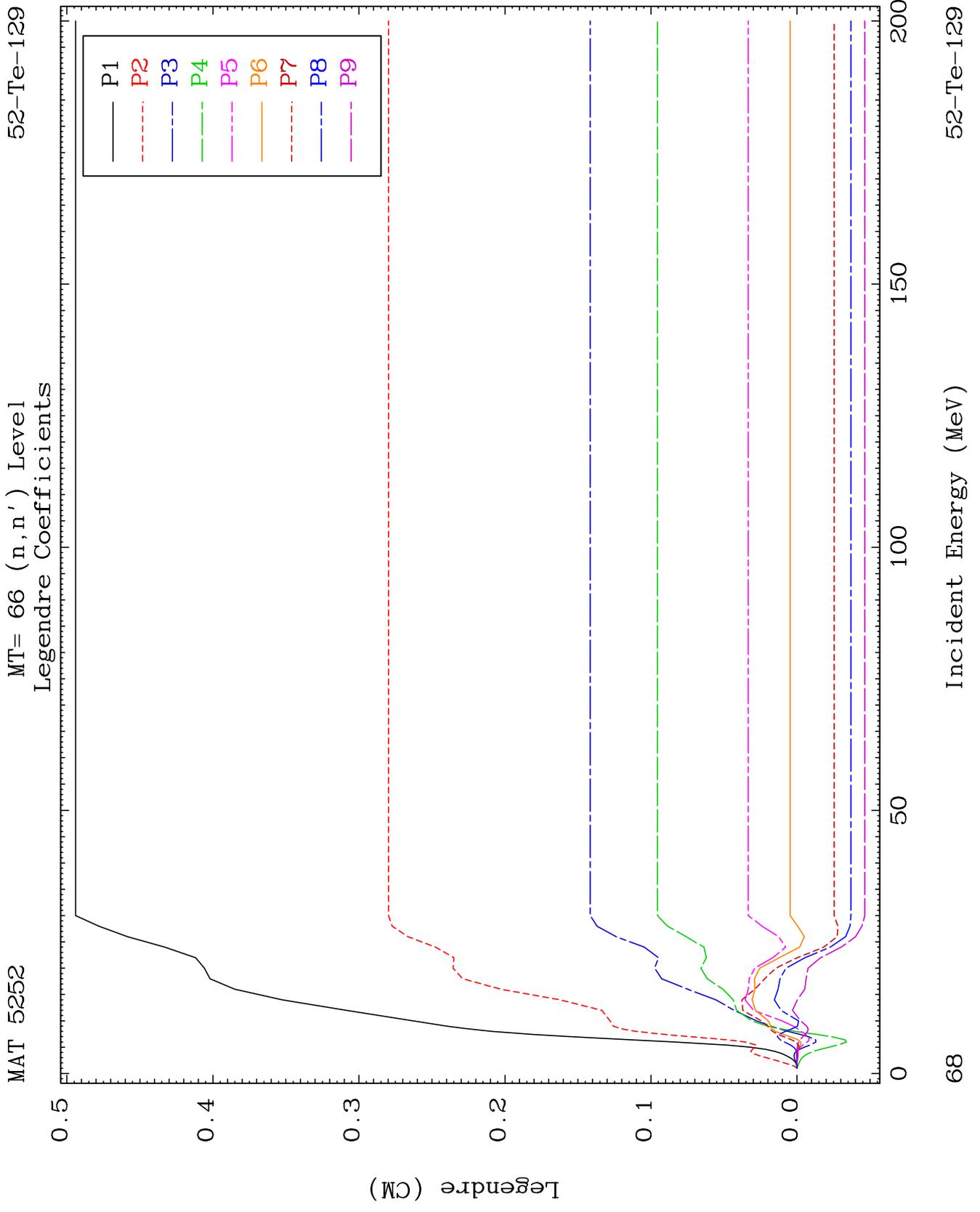


52-Te-129

Incident Energy (MeV)

66

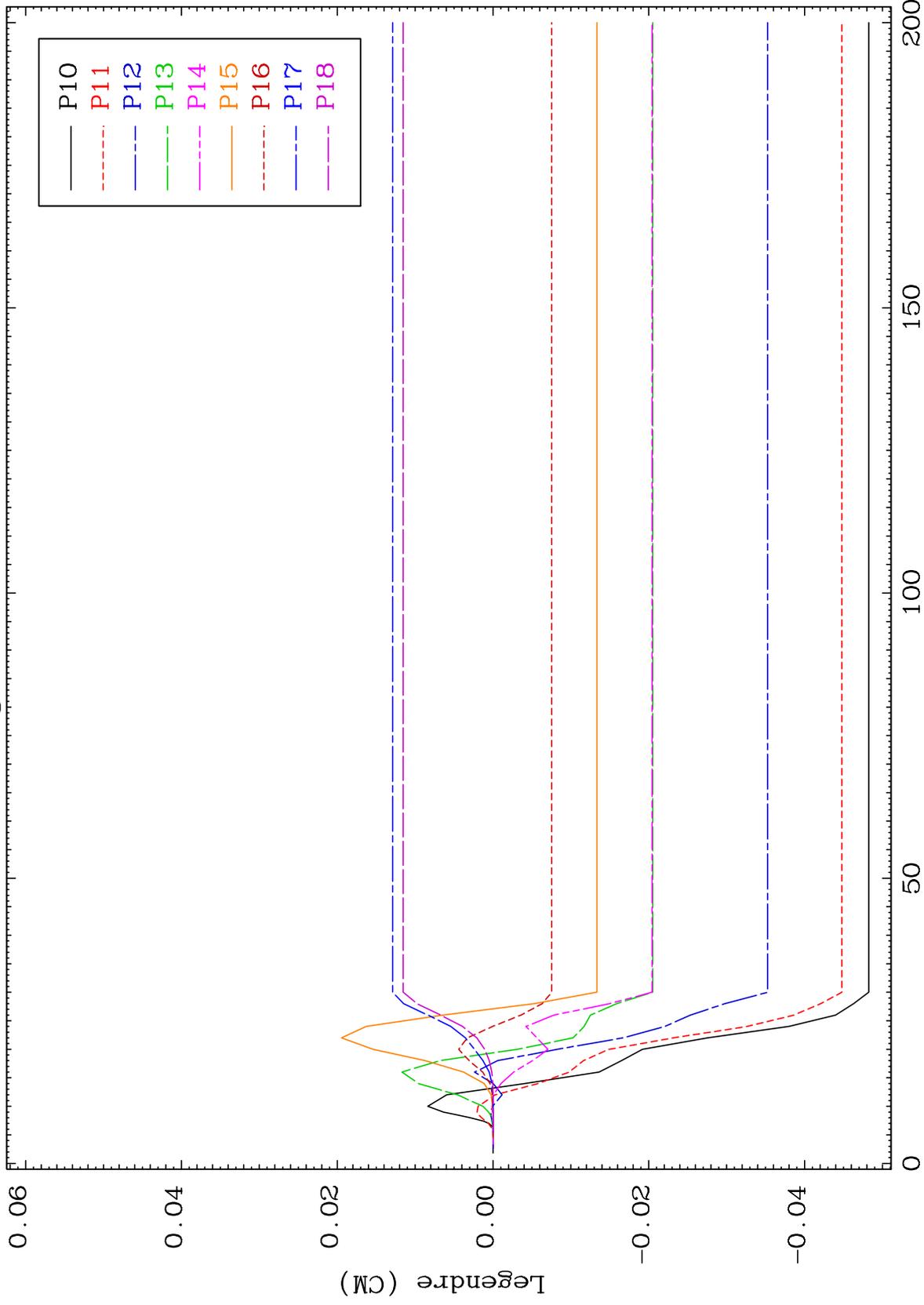




MAT 5252

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

52-Te-129



69

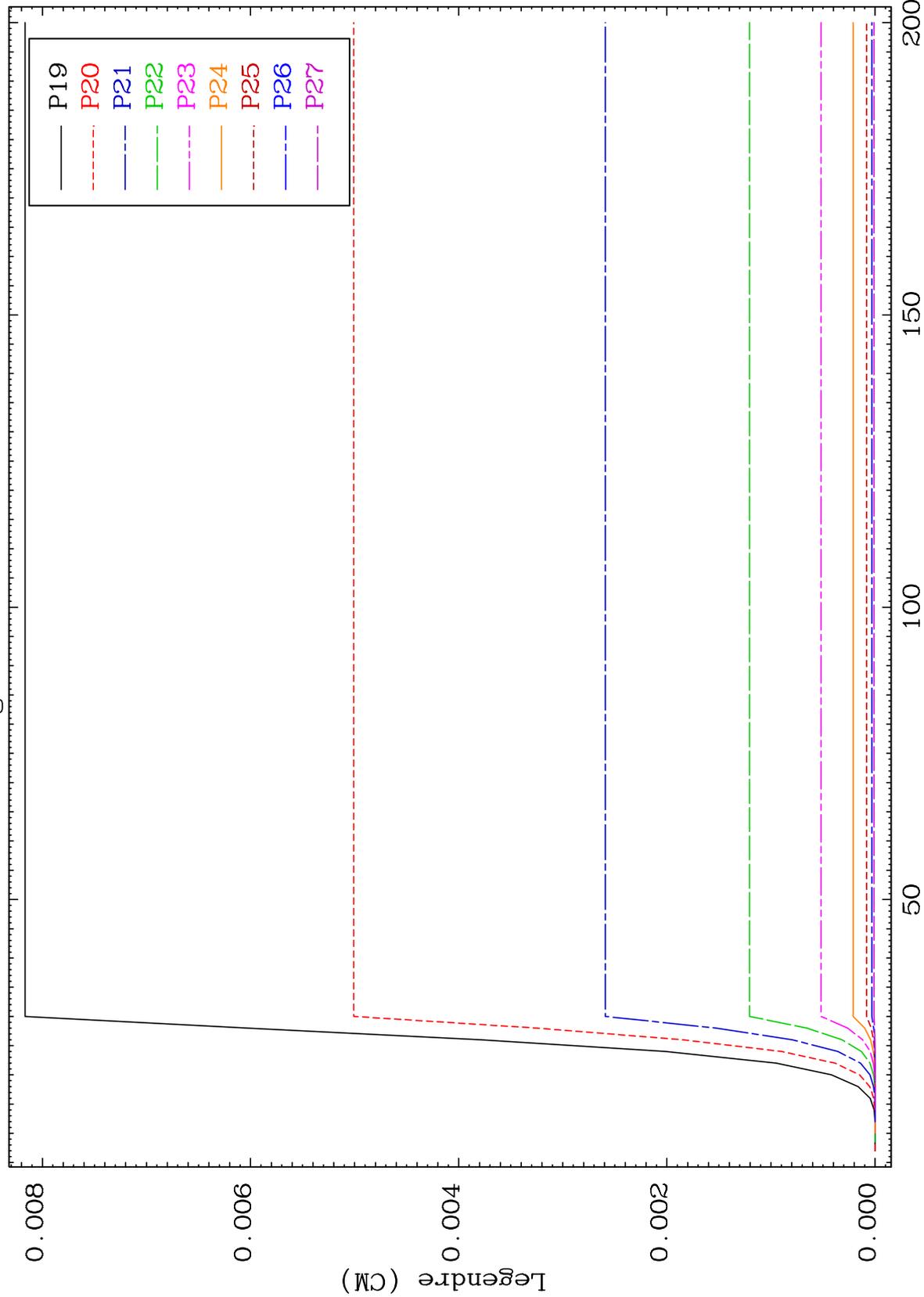
Incident Energy (MeV)

52-Te-129

MAT 5252

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

52-Te-129



52-Te-129

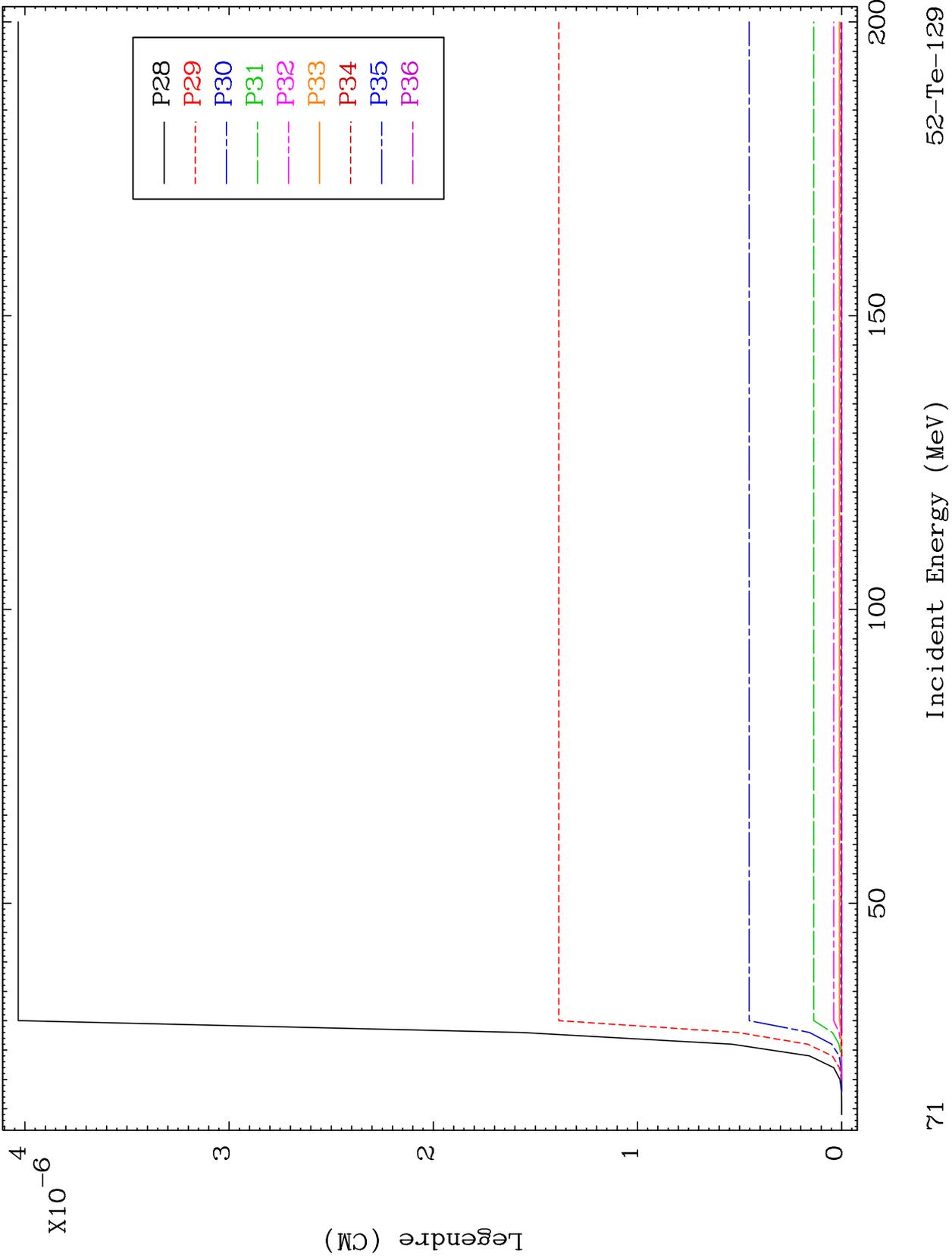
Incident Energy (MeV)

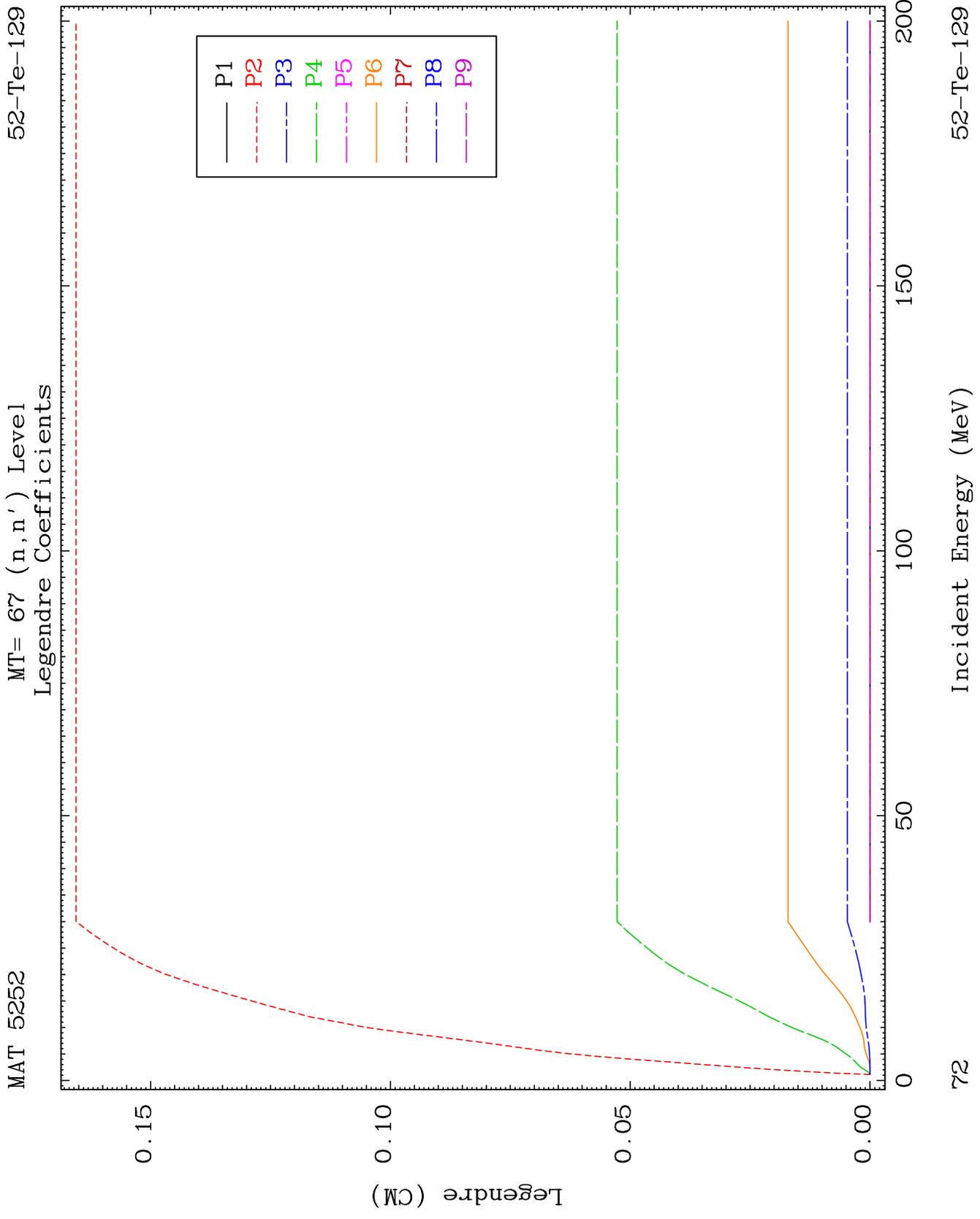
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MAT 5252

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

52-Te-129

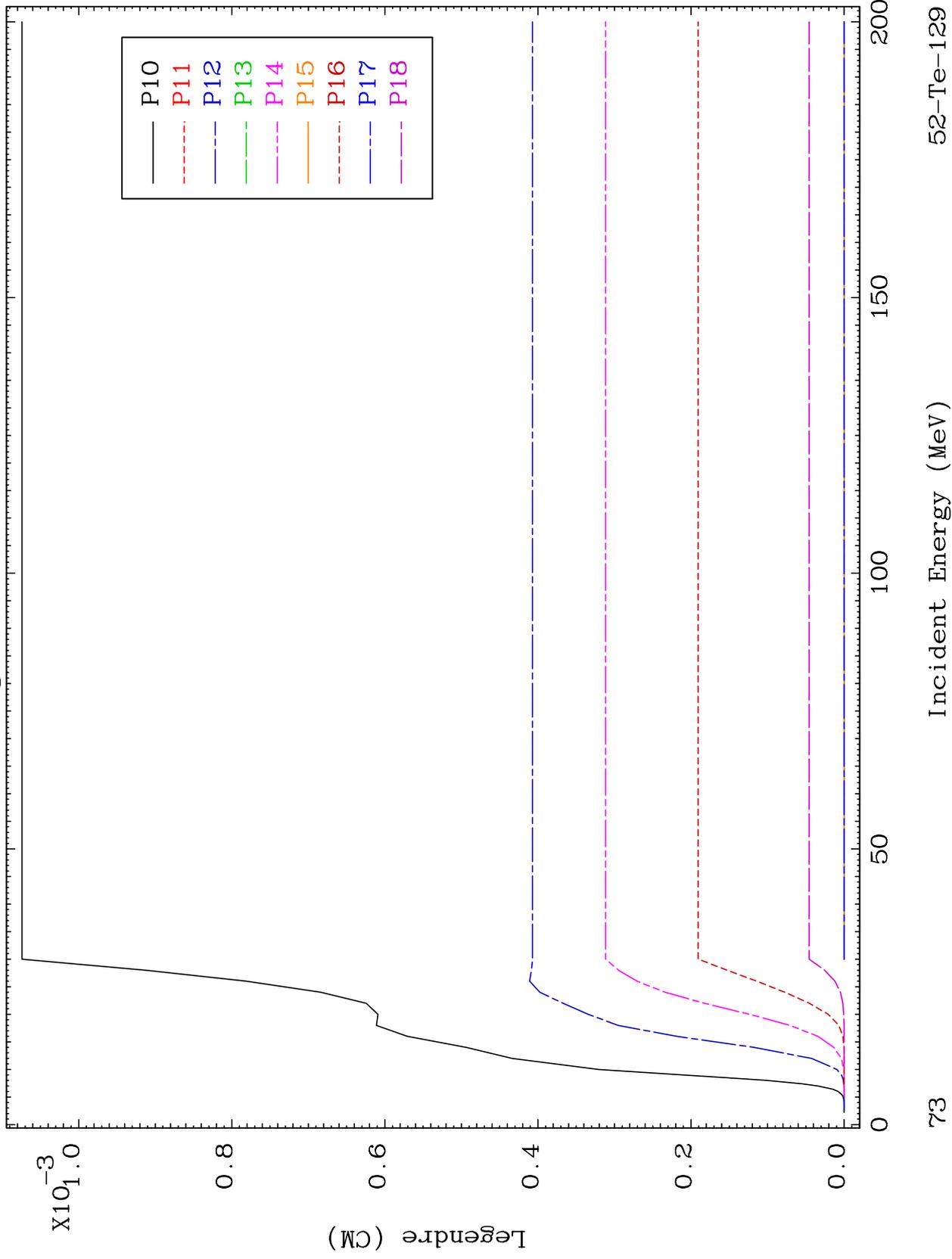


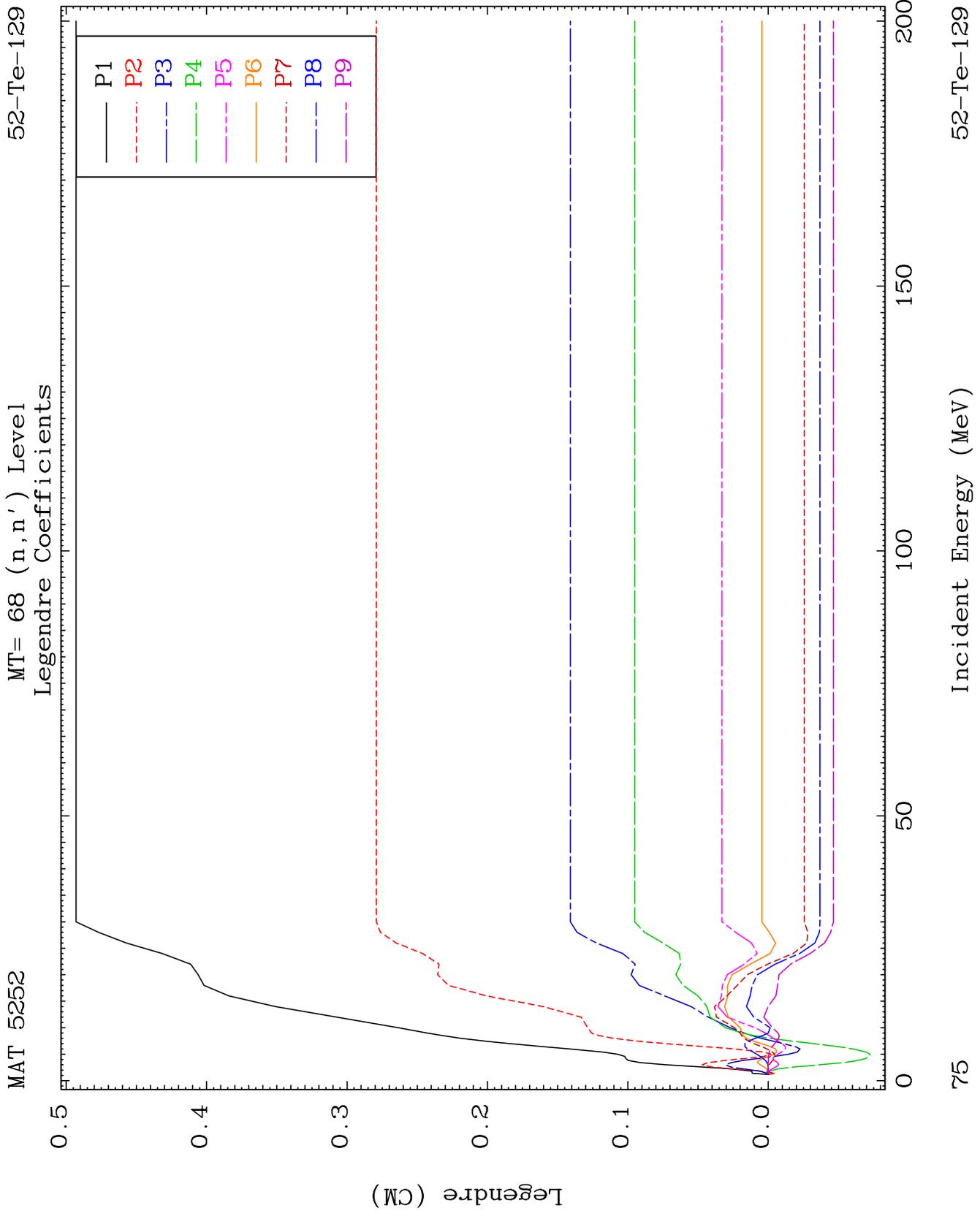


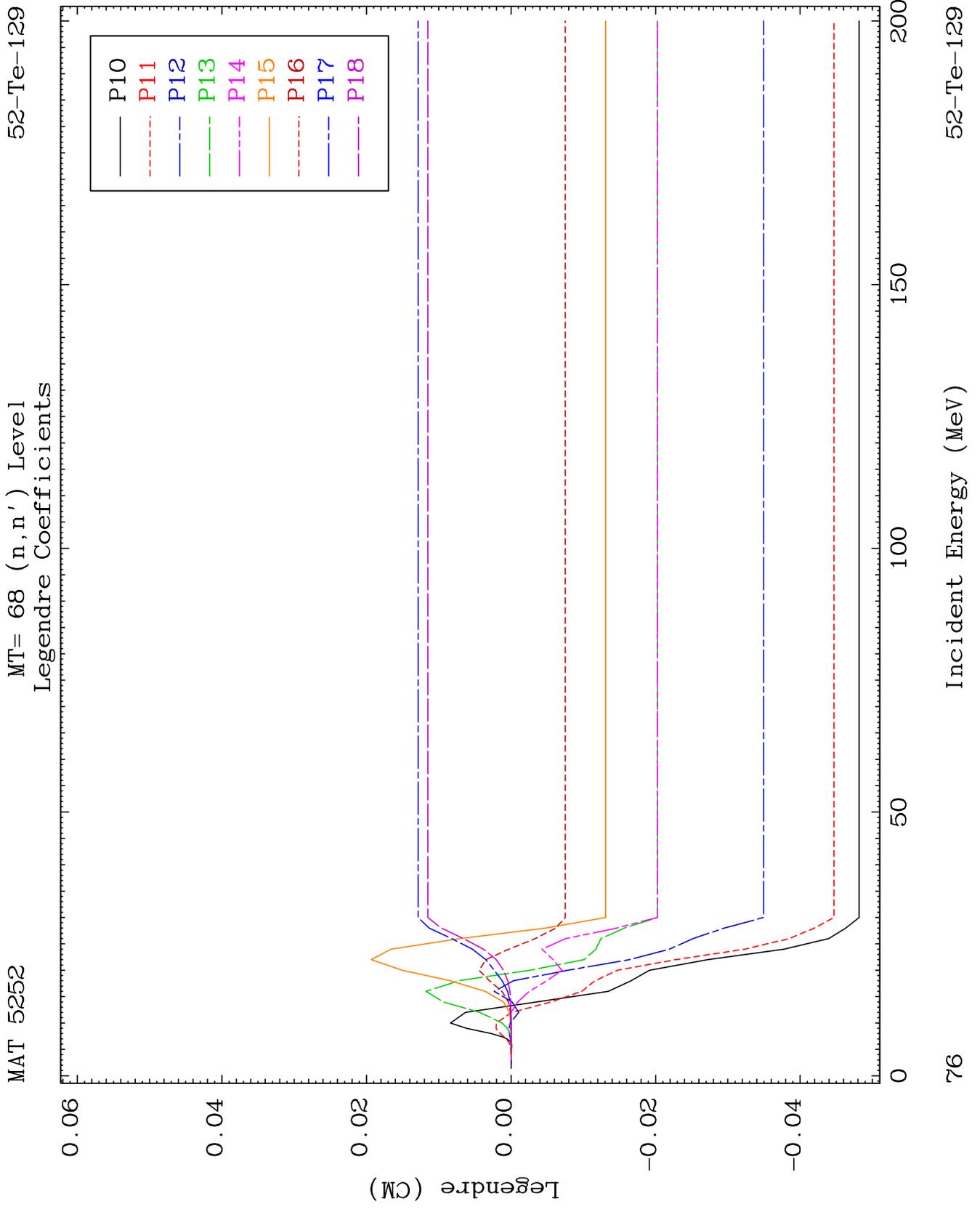
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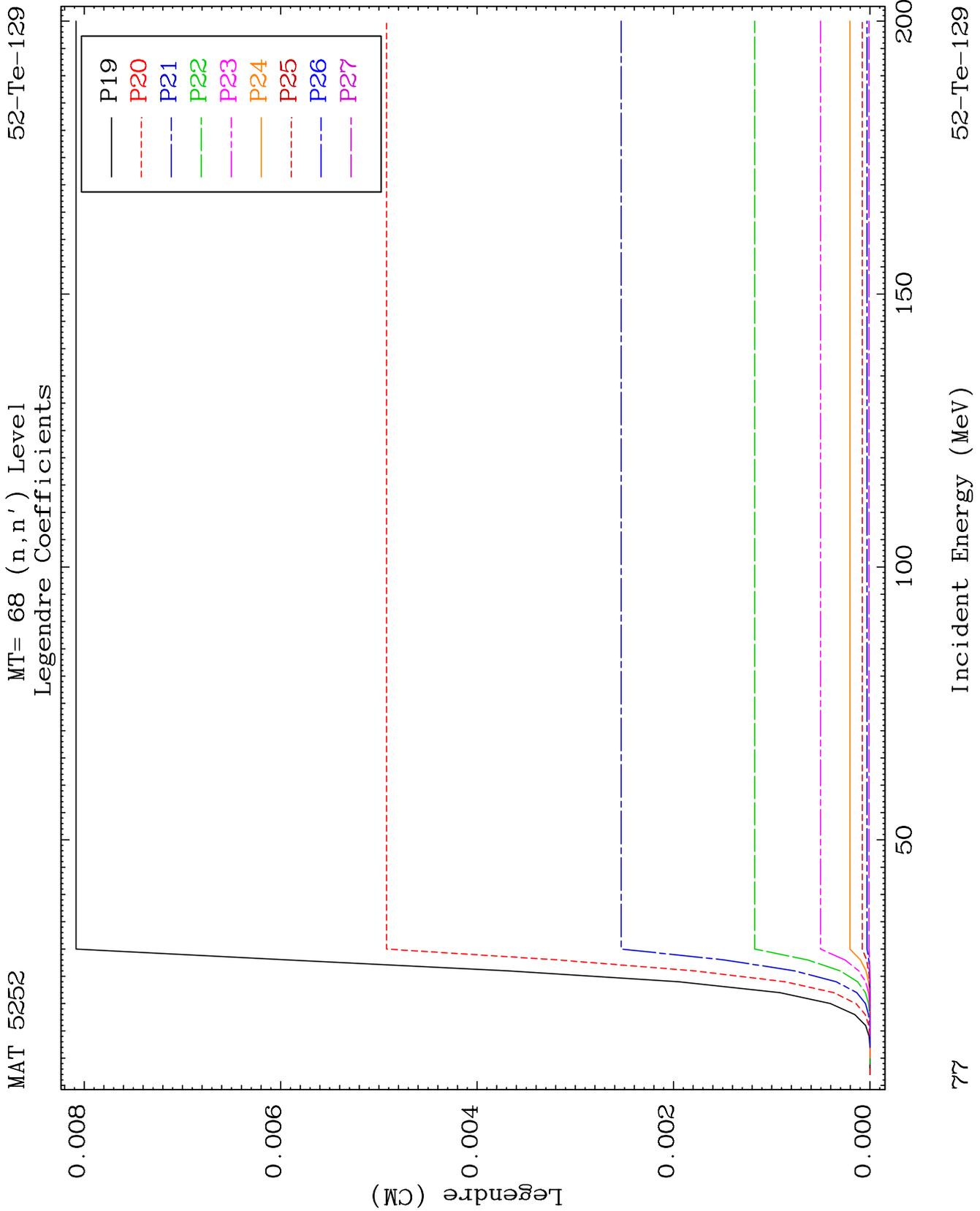
MT= 67 (n,n') Level
Legendre Coefficients

52-Te-129





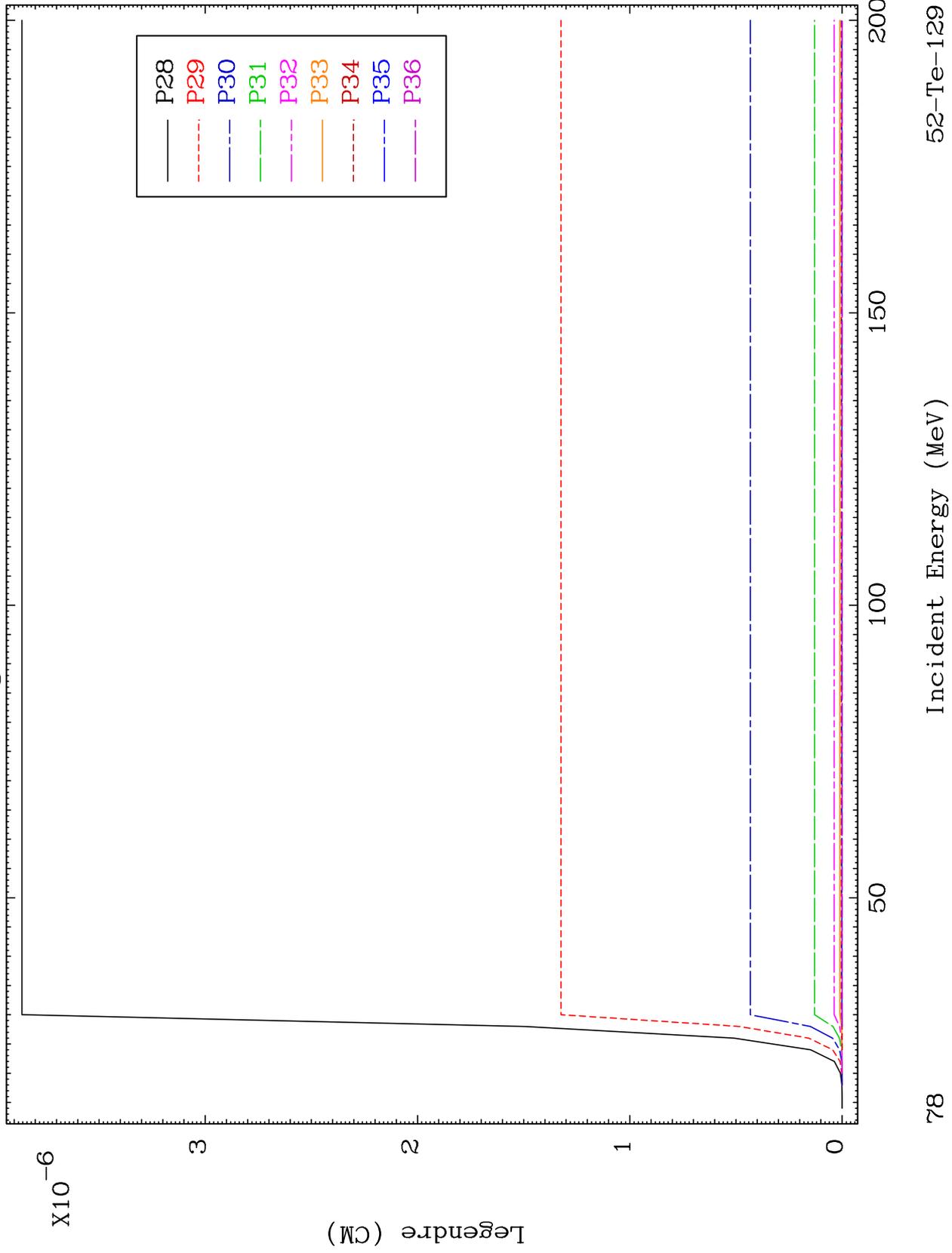




MAT 5252

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

52-Te-129



78

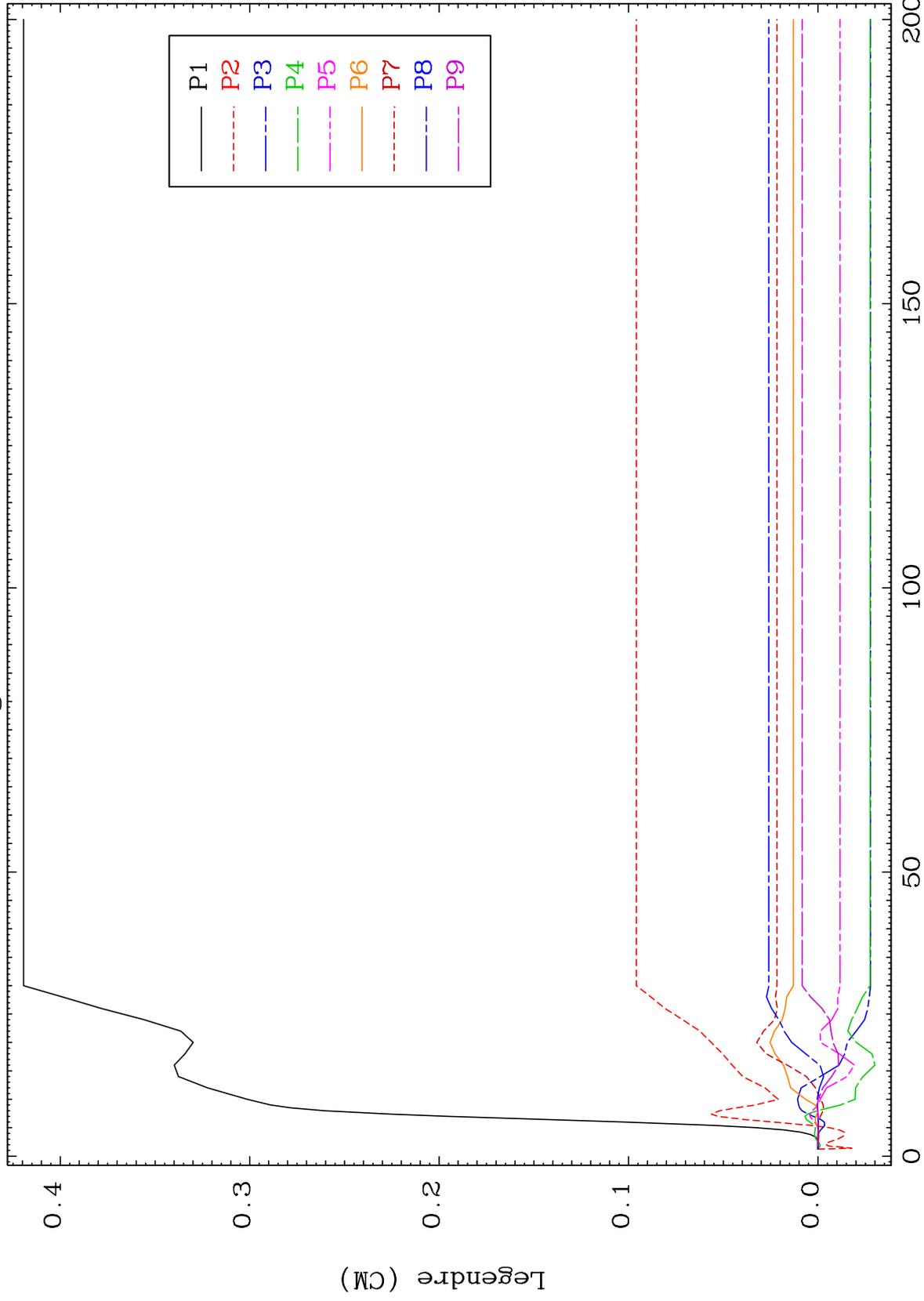
Incident Energy (MeV)

52-Te-129

MAT 5252

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

52-Te-129



79

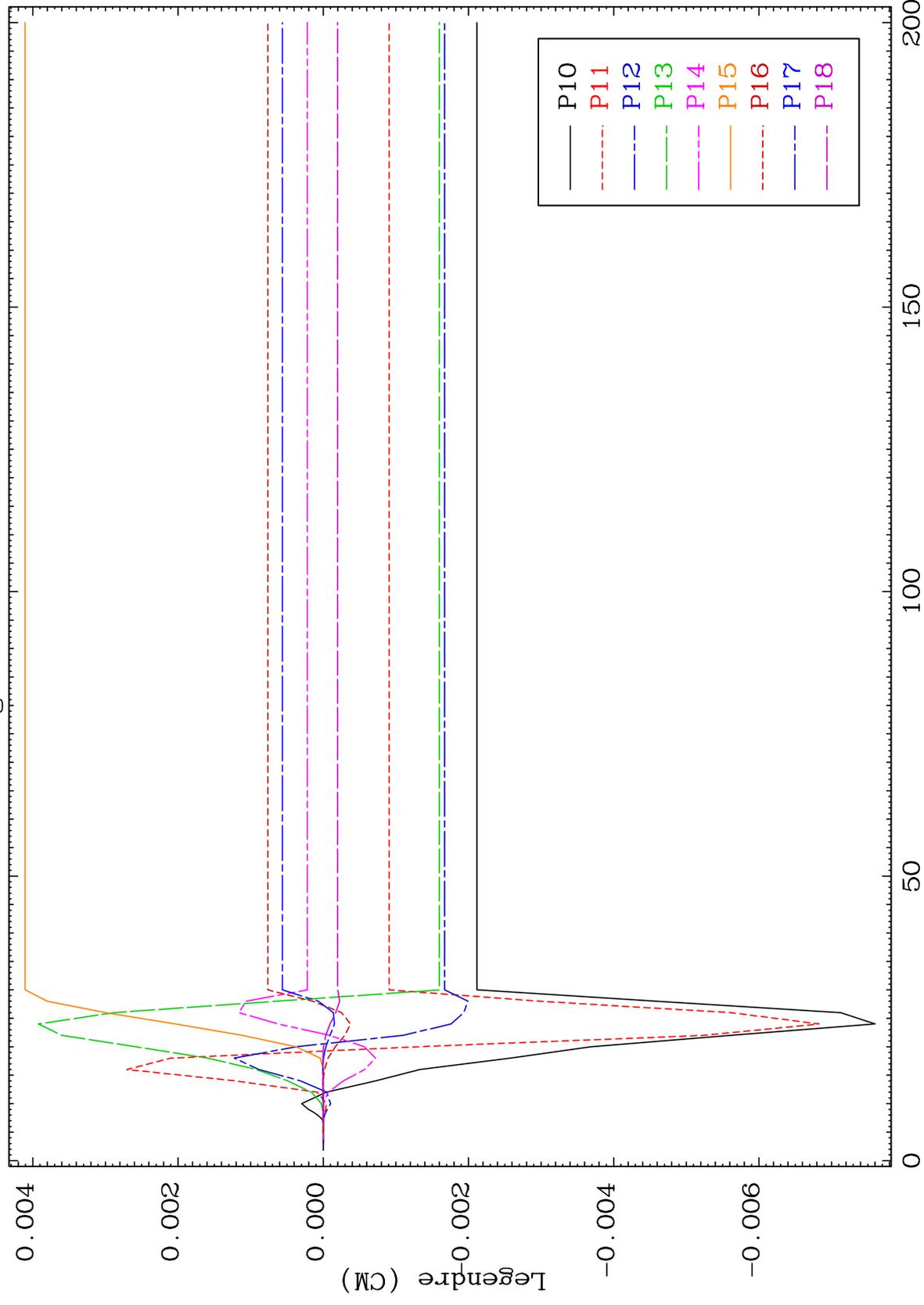
Incident Energy (MeV)

52-Te-129

MAT 5252

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

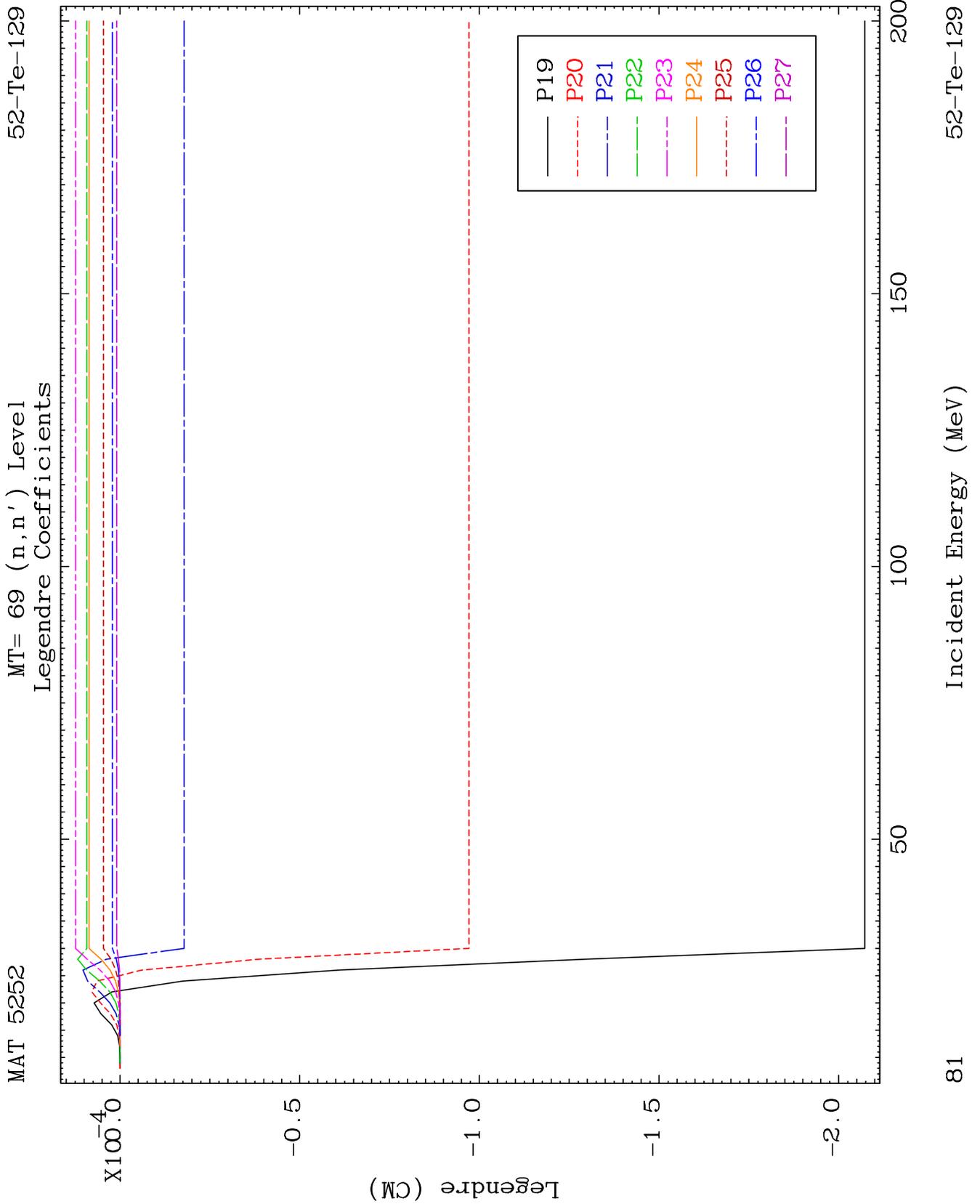
52-Te-129



52-Te-129

Incident Energy (MeV)

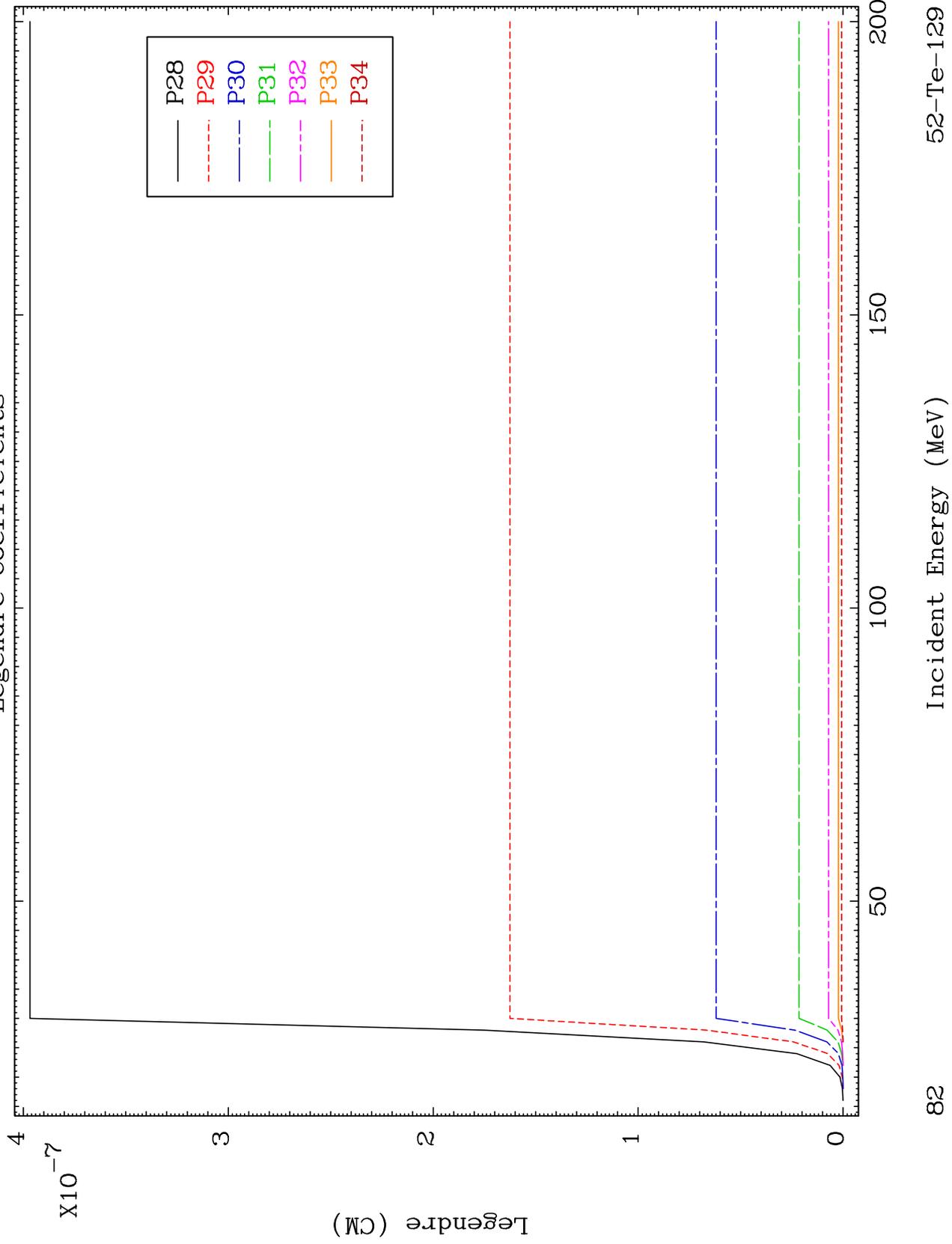
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MAT 5252

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

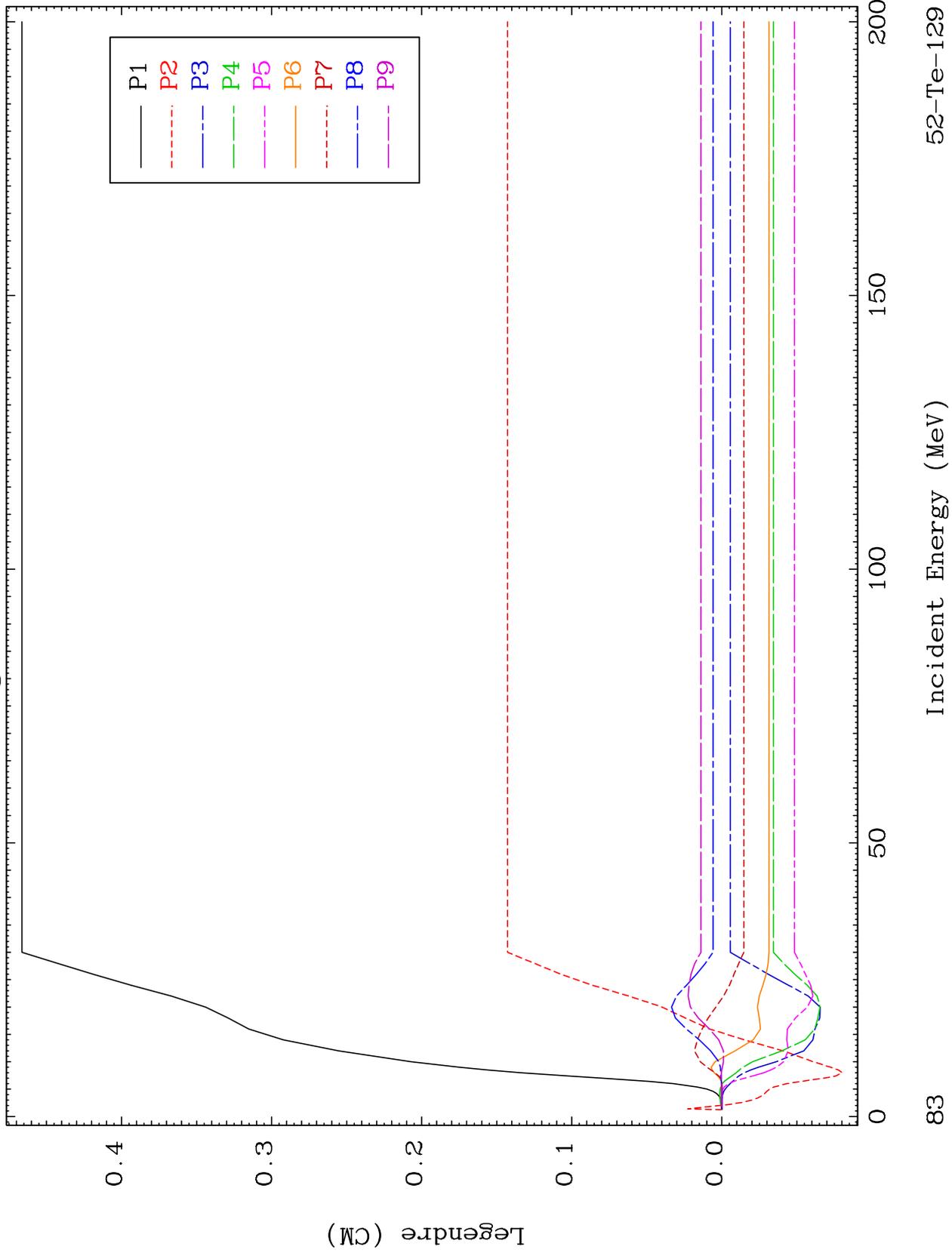
52-Te-129



MAT 5252

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

52-Te-129



83

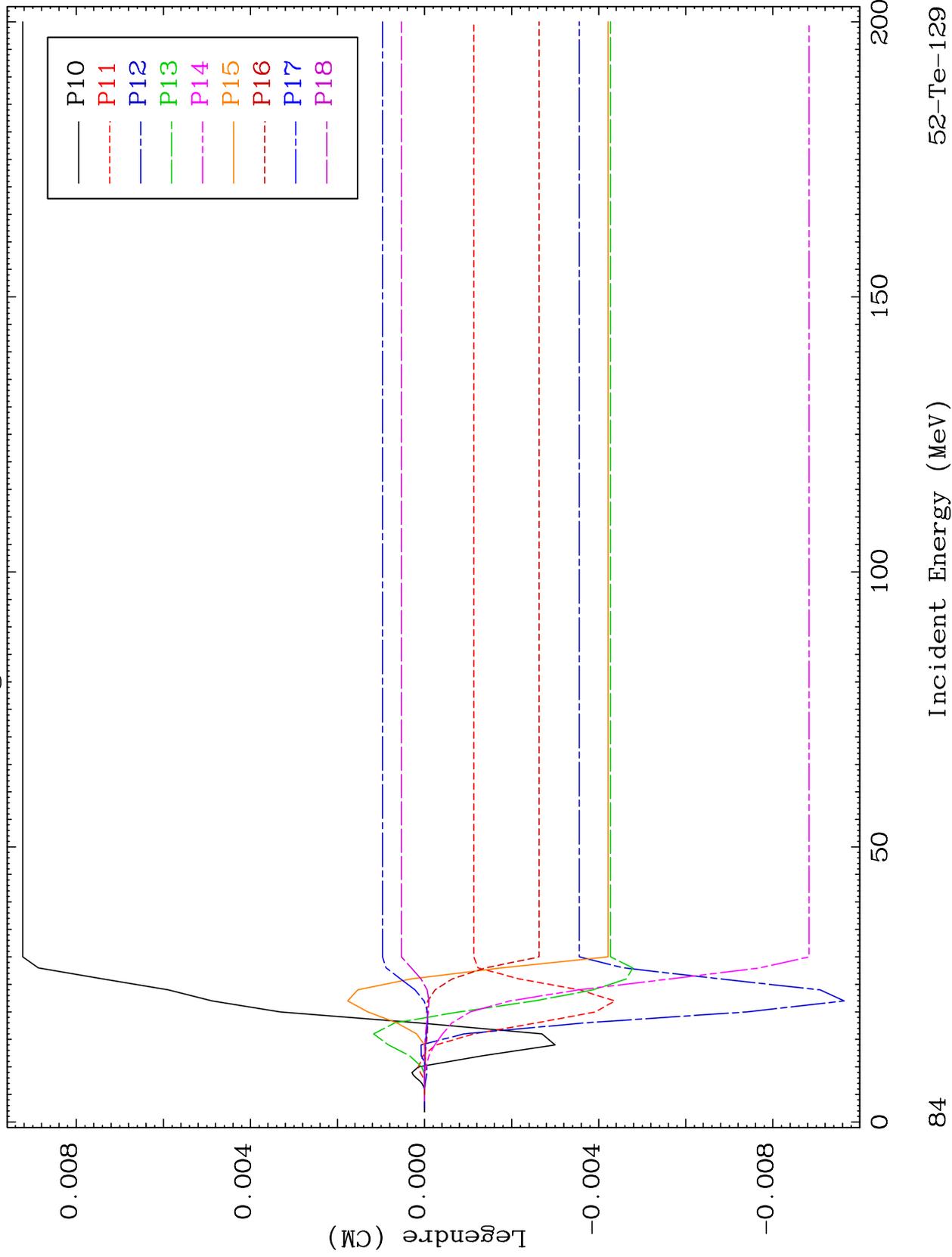
Incident Energy (MeV)

52-Te-129

MAT 5252

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

52-Te-129



52-Te-129

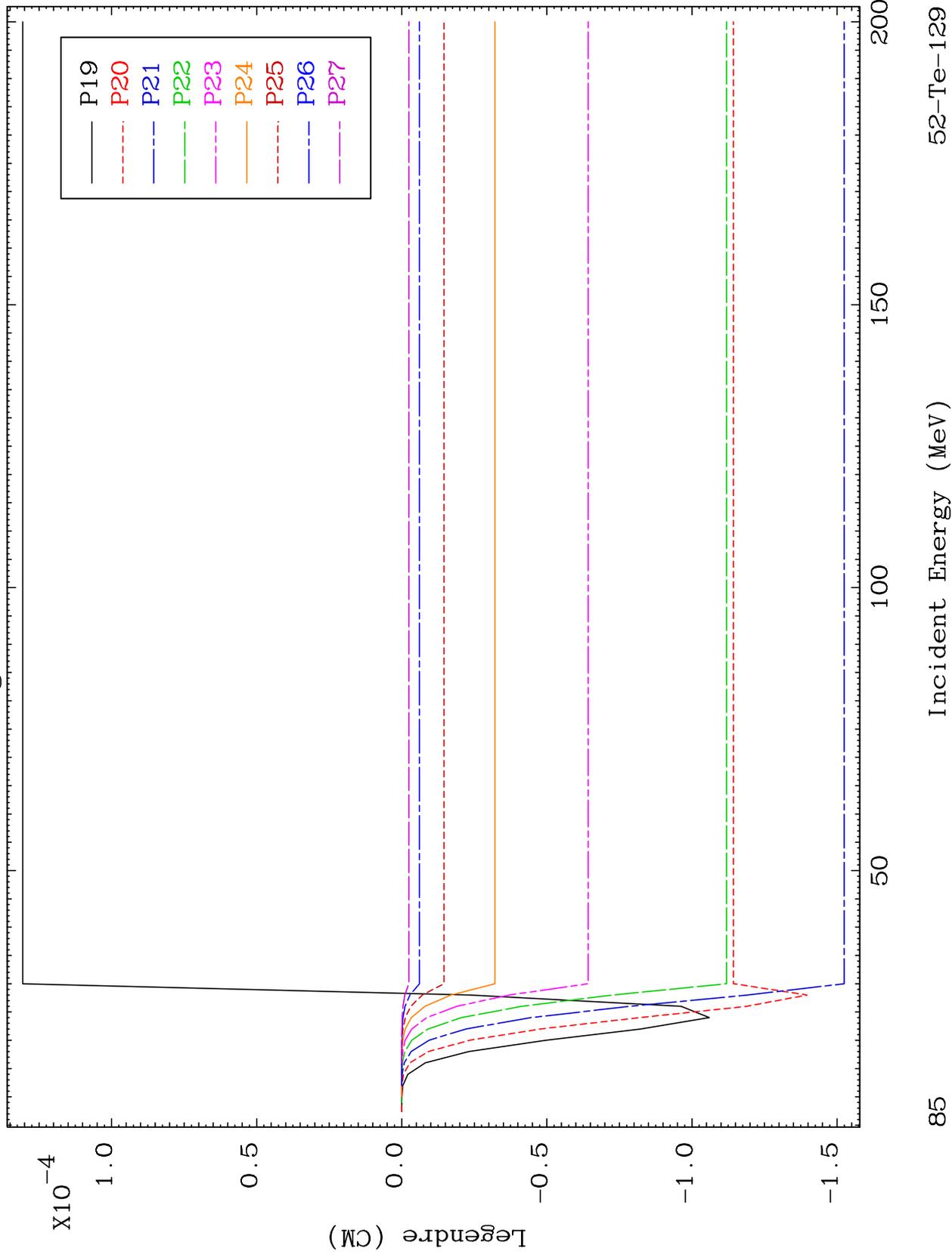
Incident Energy (MeV)

84

MAT 5252

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

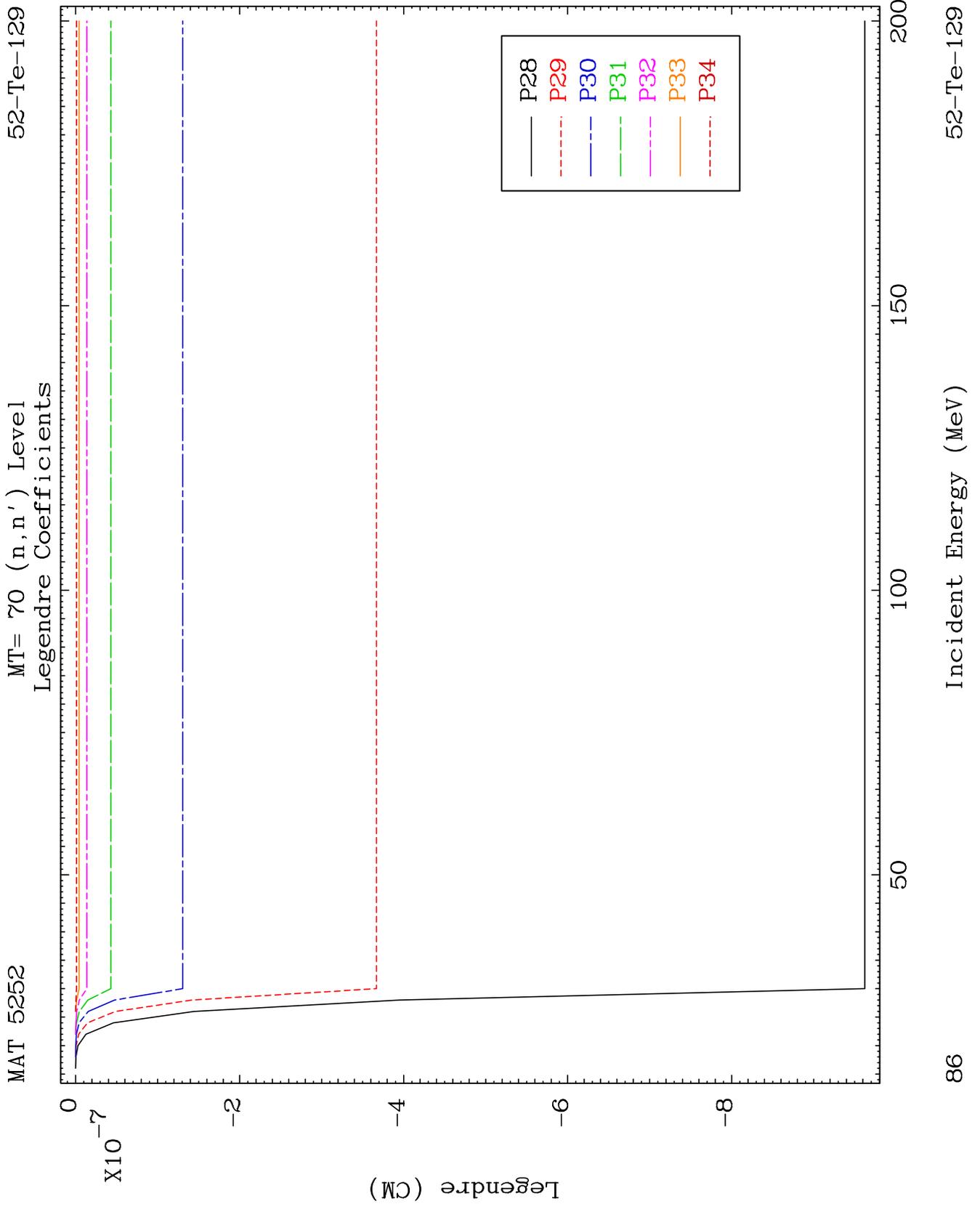
52-Te-129



85

Incident Energy (MeV)

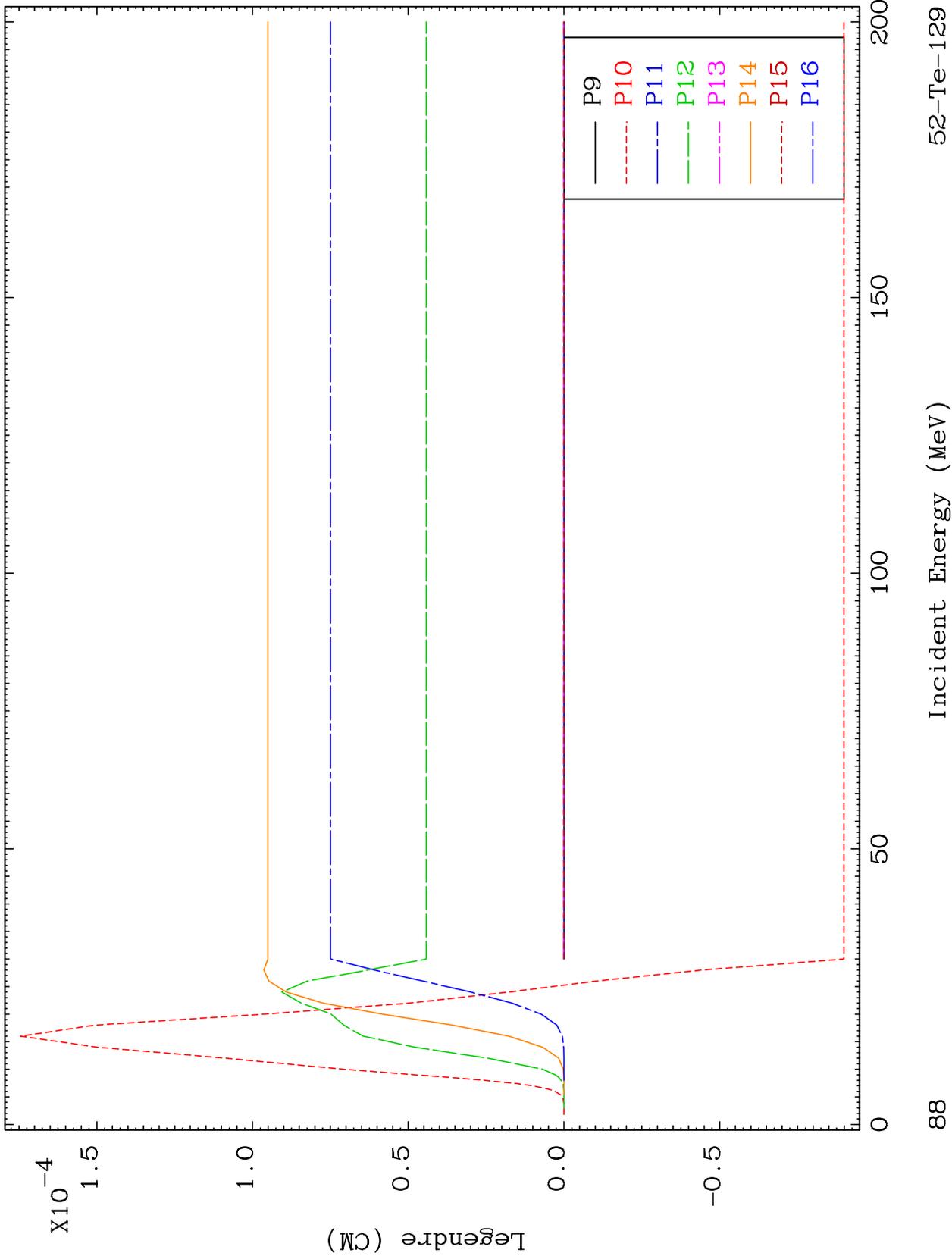
52-Te-129



MAT 5252

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

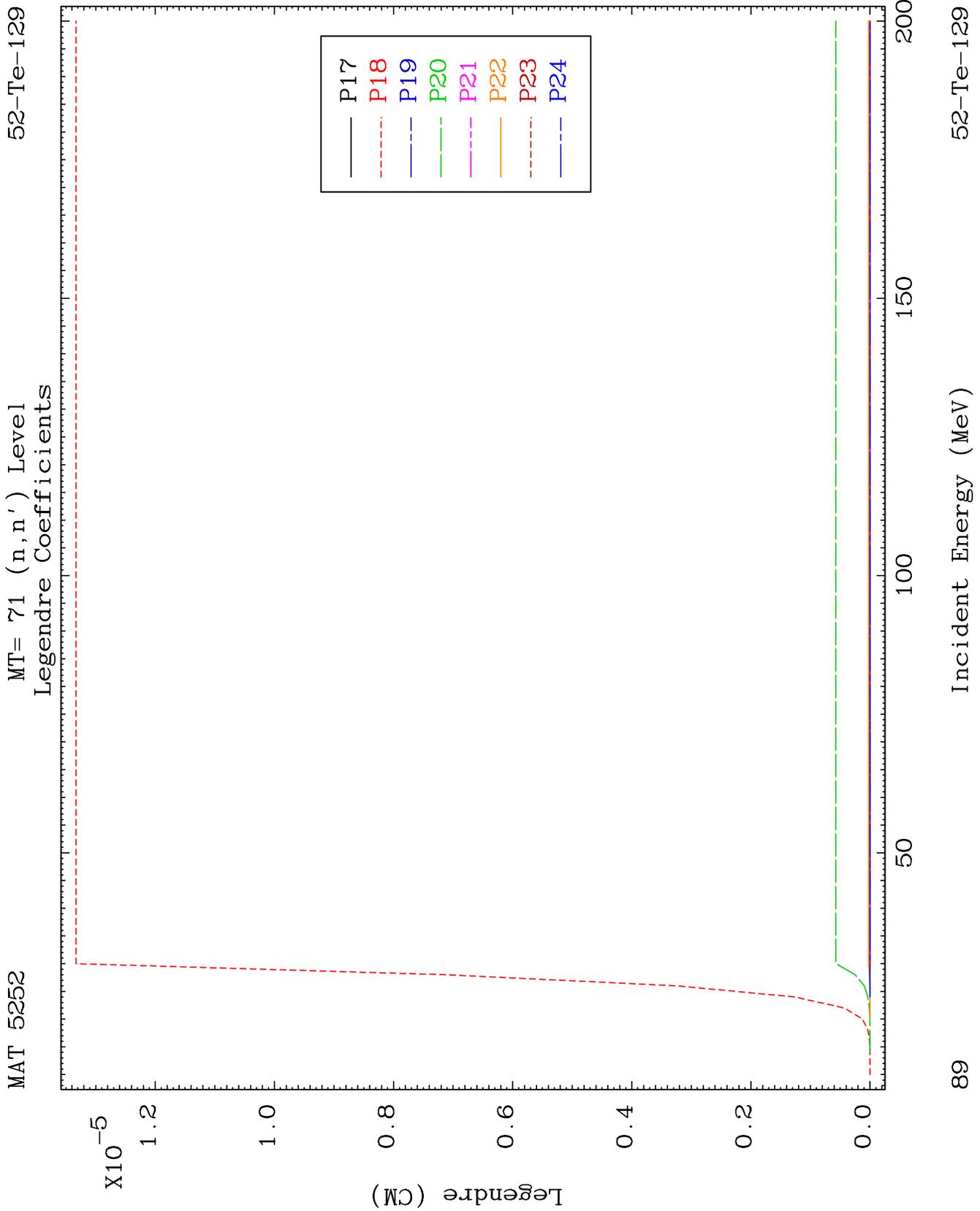
52-Te-129



88

Incident Energy (MeV)

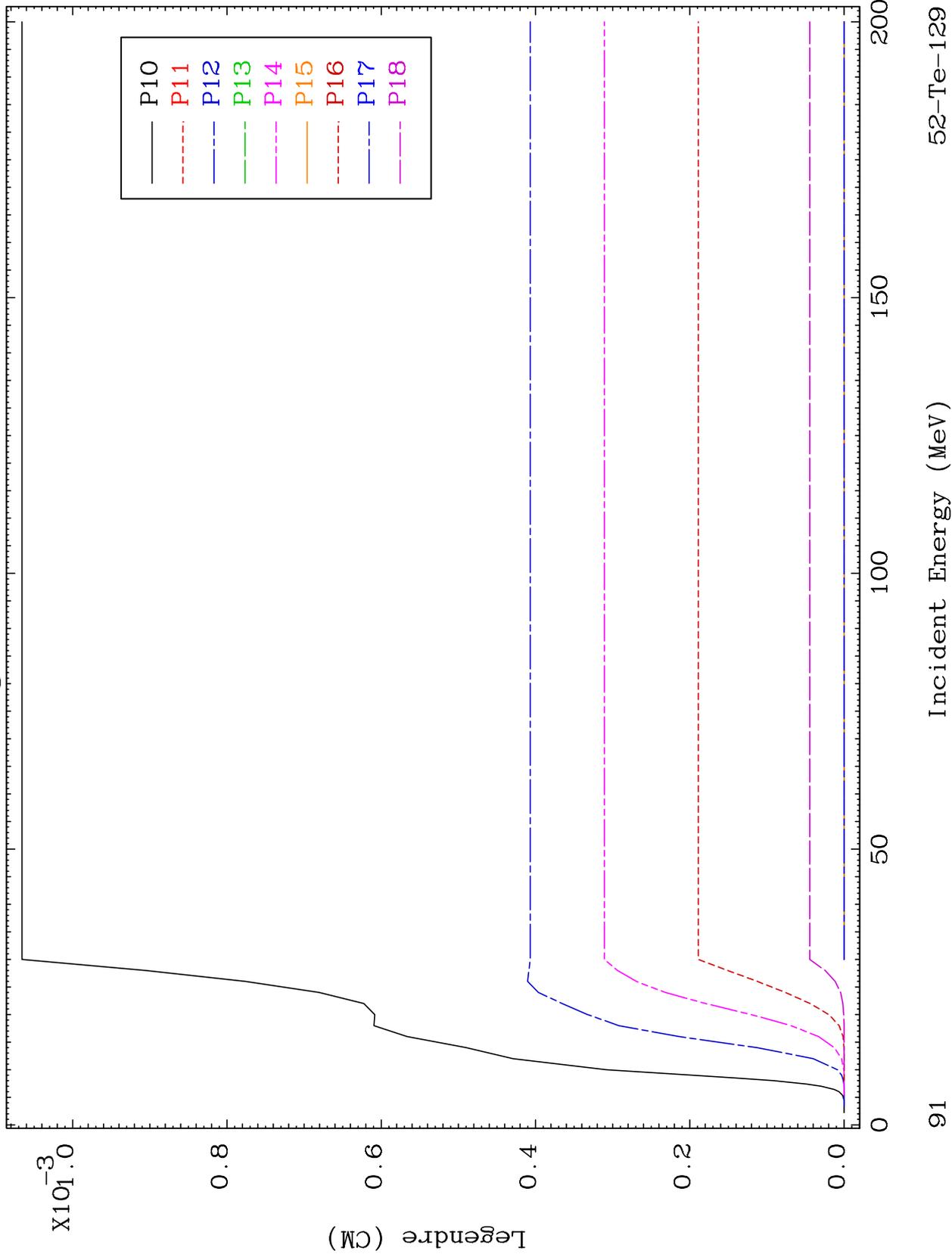
52-Te-129



MAT 5252

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

52-Te-129



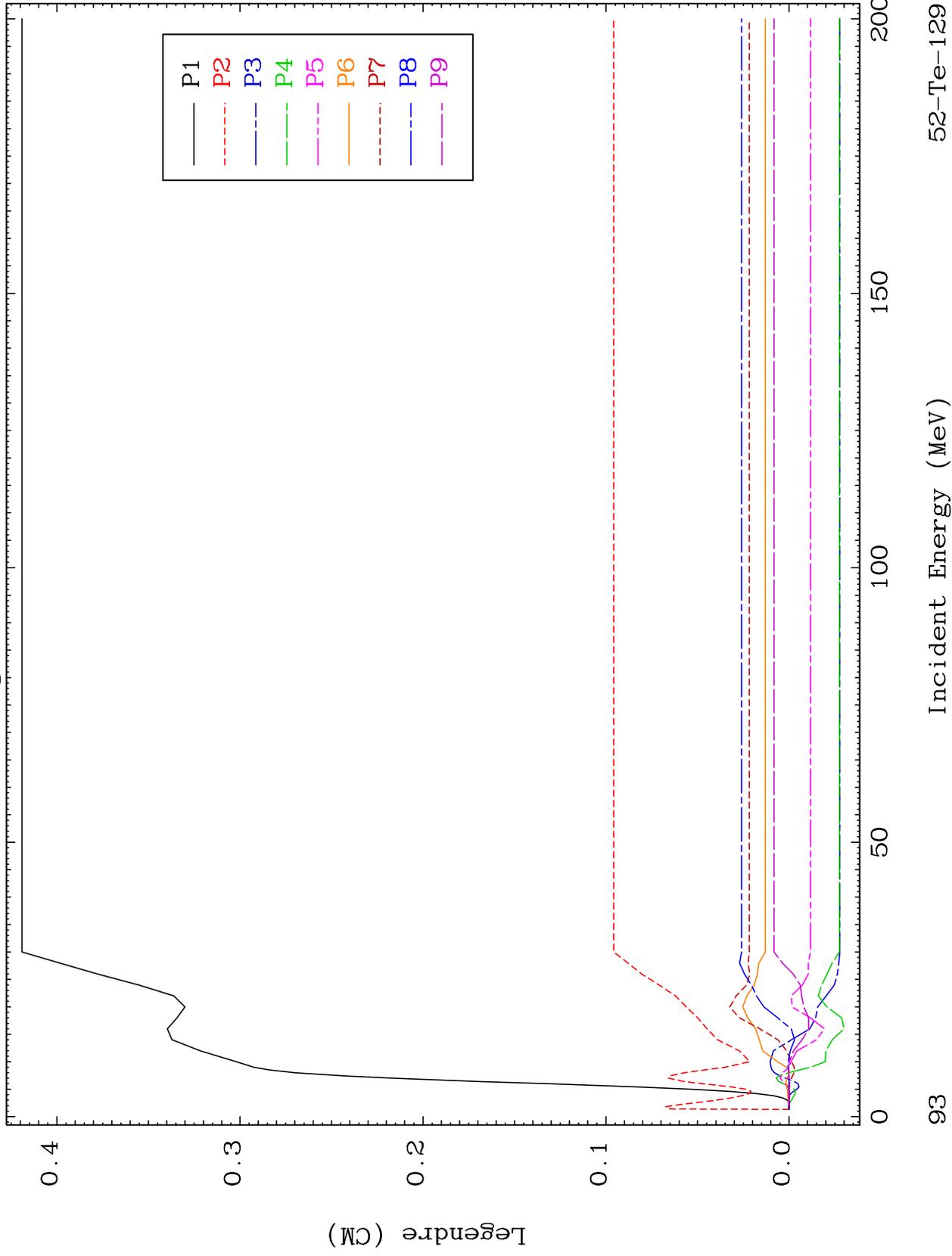
91

52-Te-129

MAT 5252

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

52-Te-129



52-Te-129

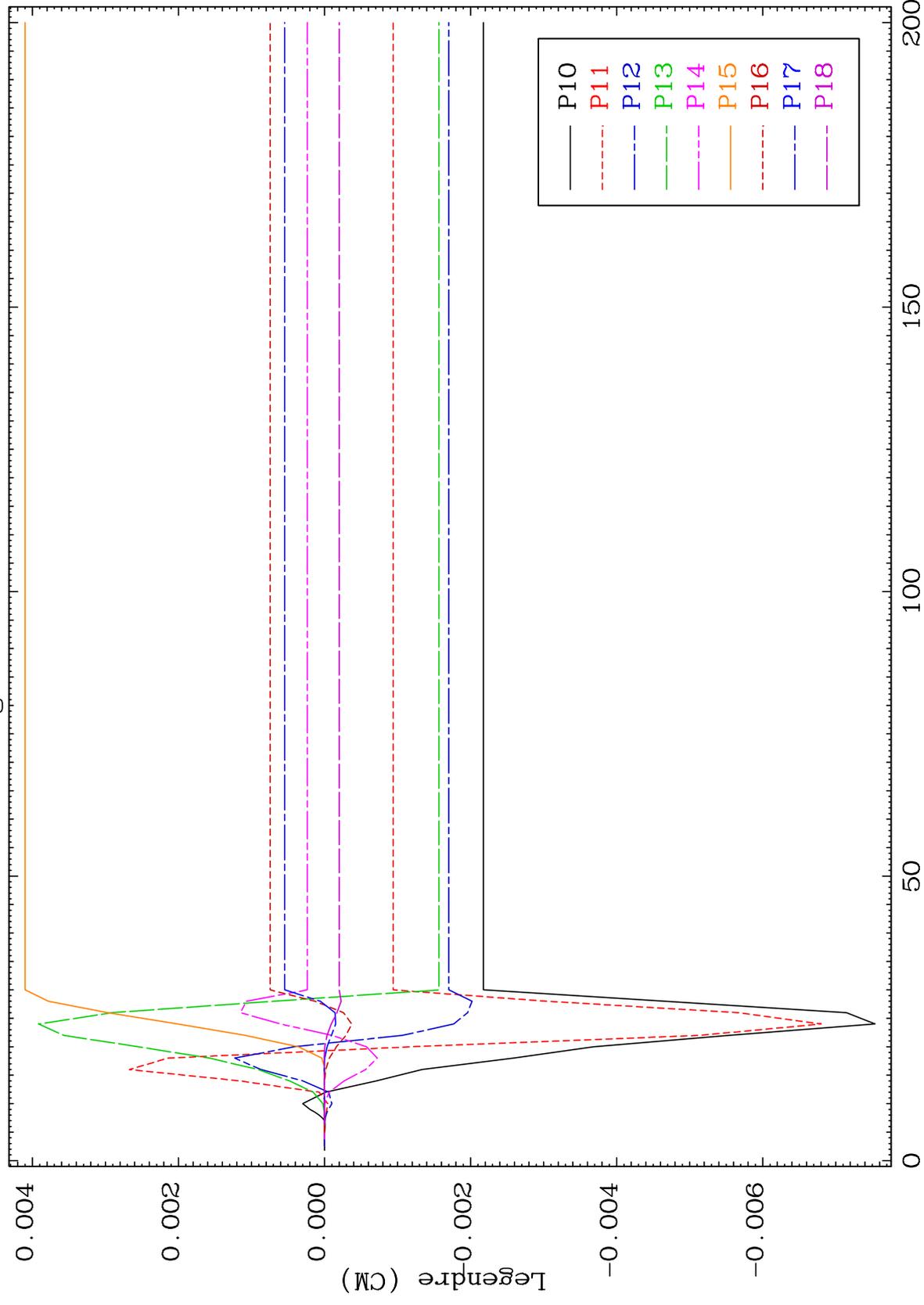
Incident Energy (MeV)

93

MAT 5252

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

52-Te-129



94

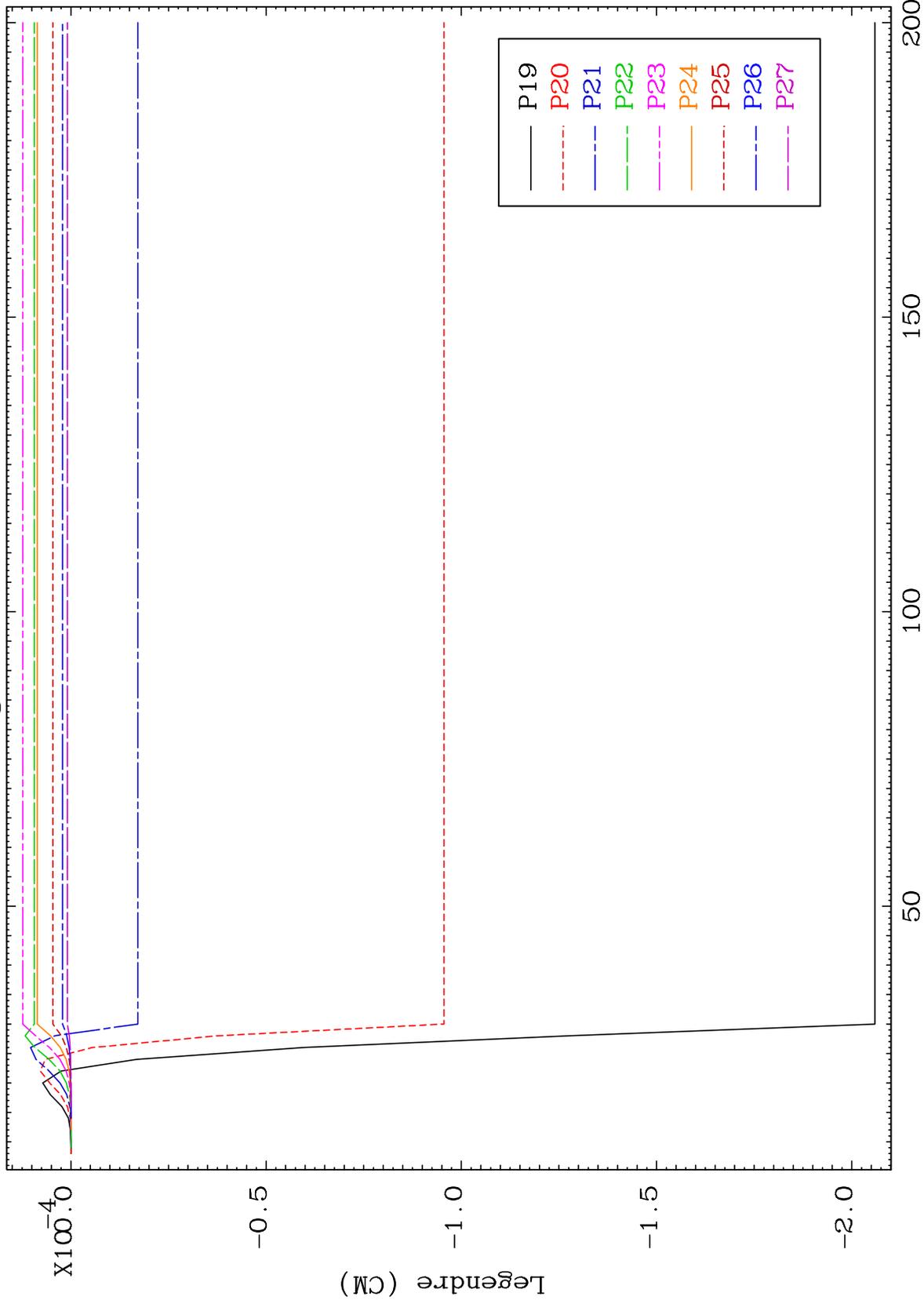
Incident Energy (MeV)

52-Te-129

MAT 5252

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

52-Te-129



95

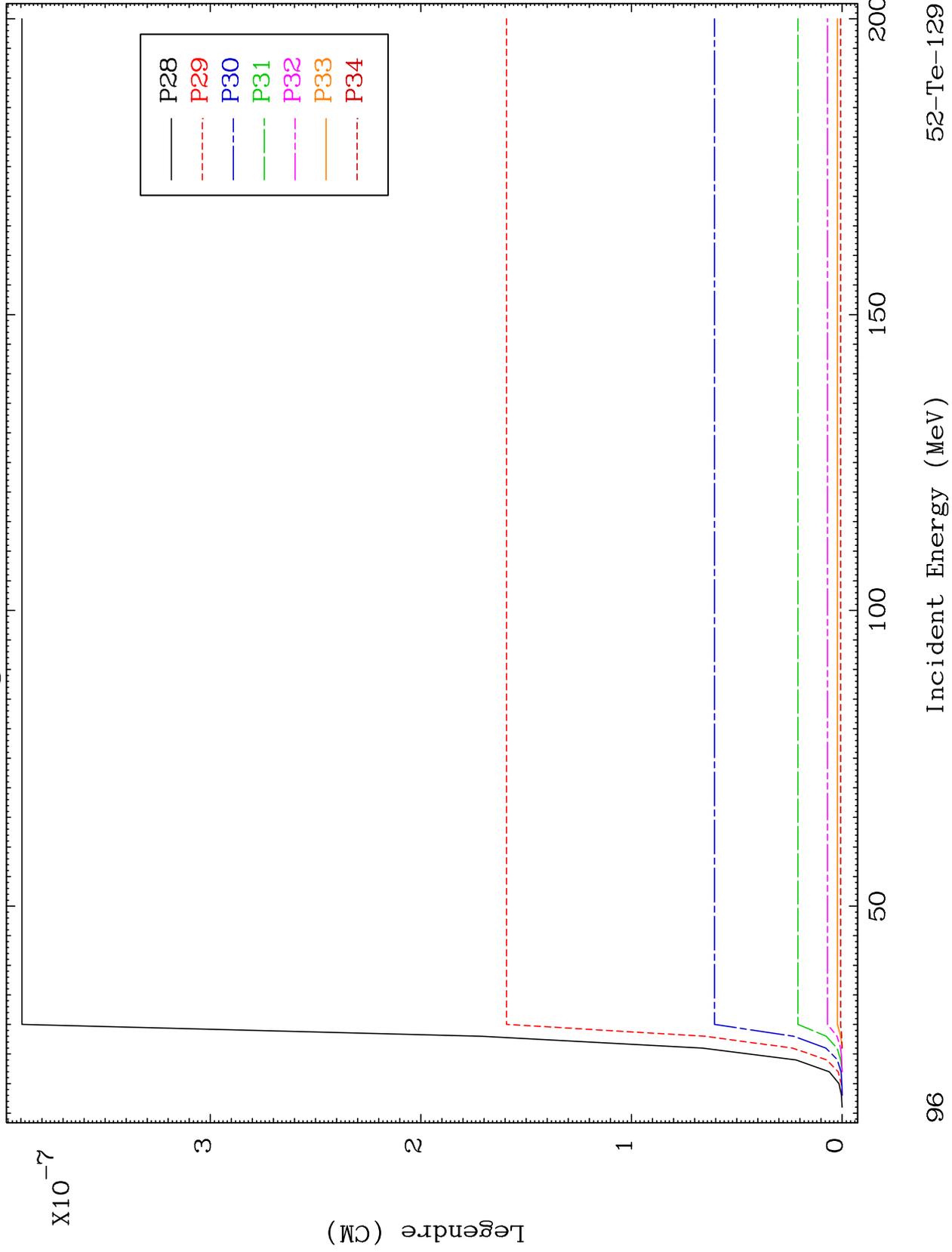
Incident Energy (MeV)

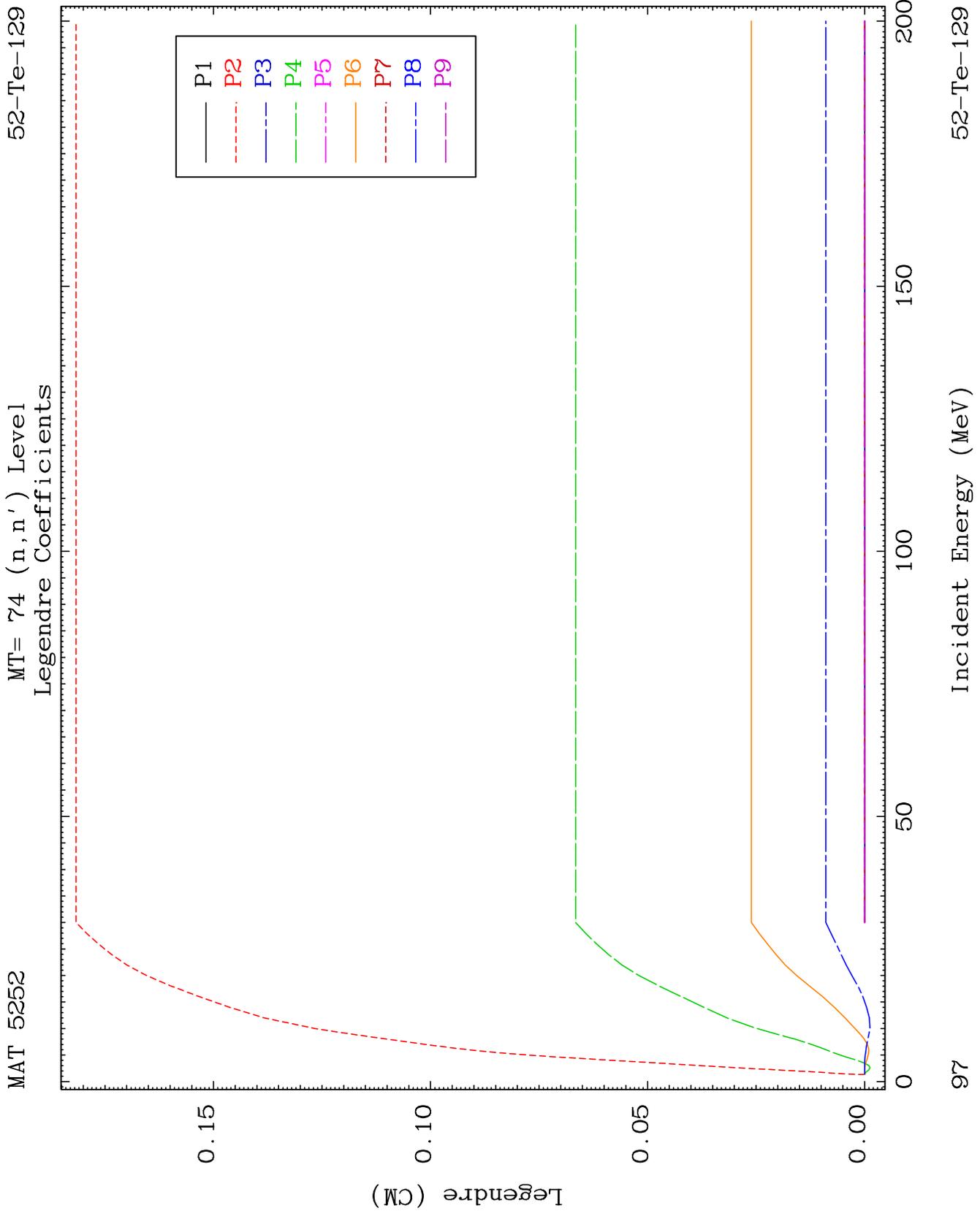
52-Te-129

MAT 5252

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

52-Te-129

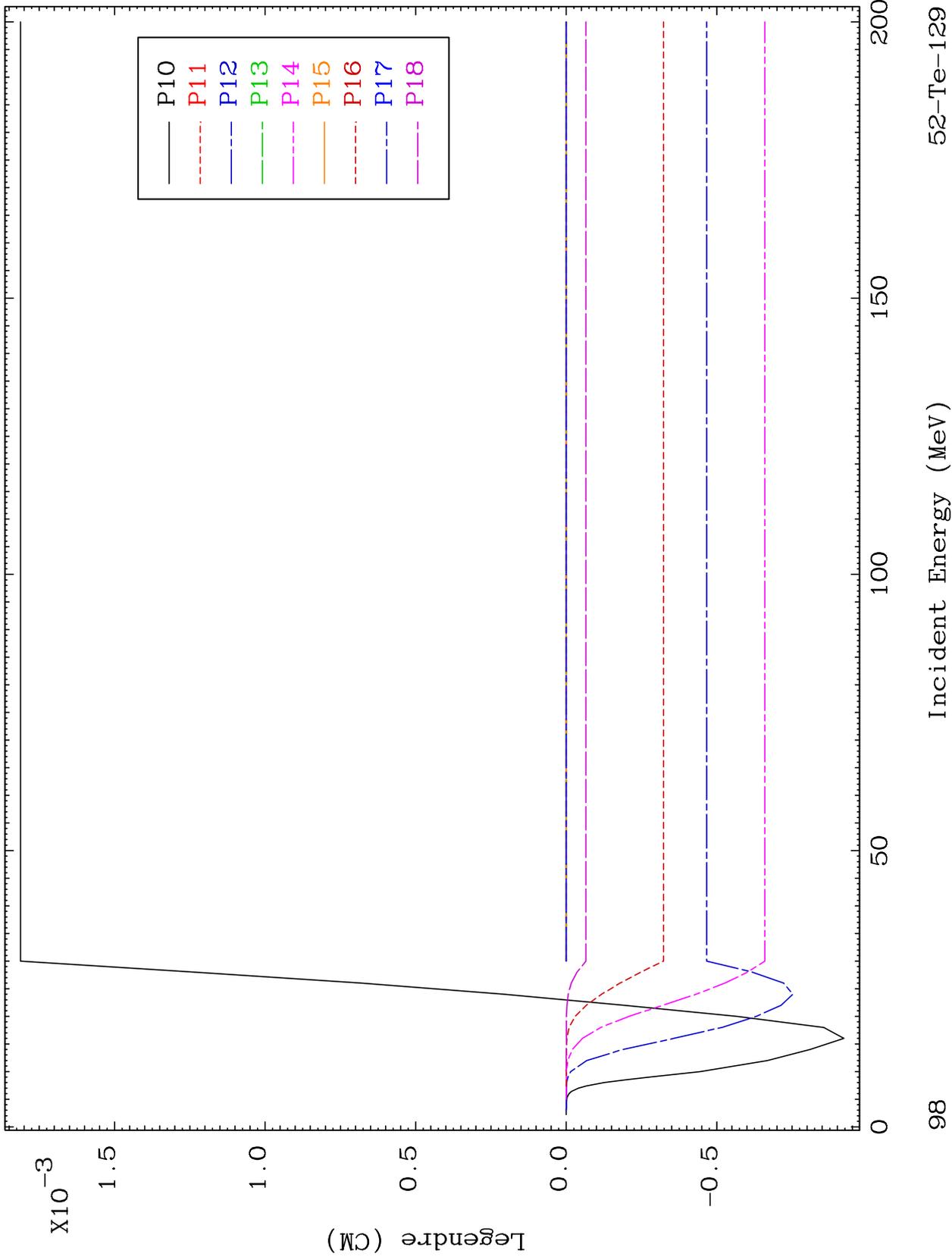




MAT 5252

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

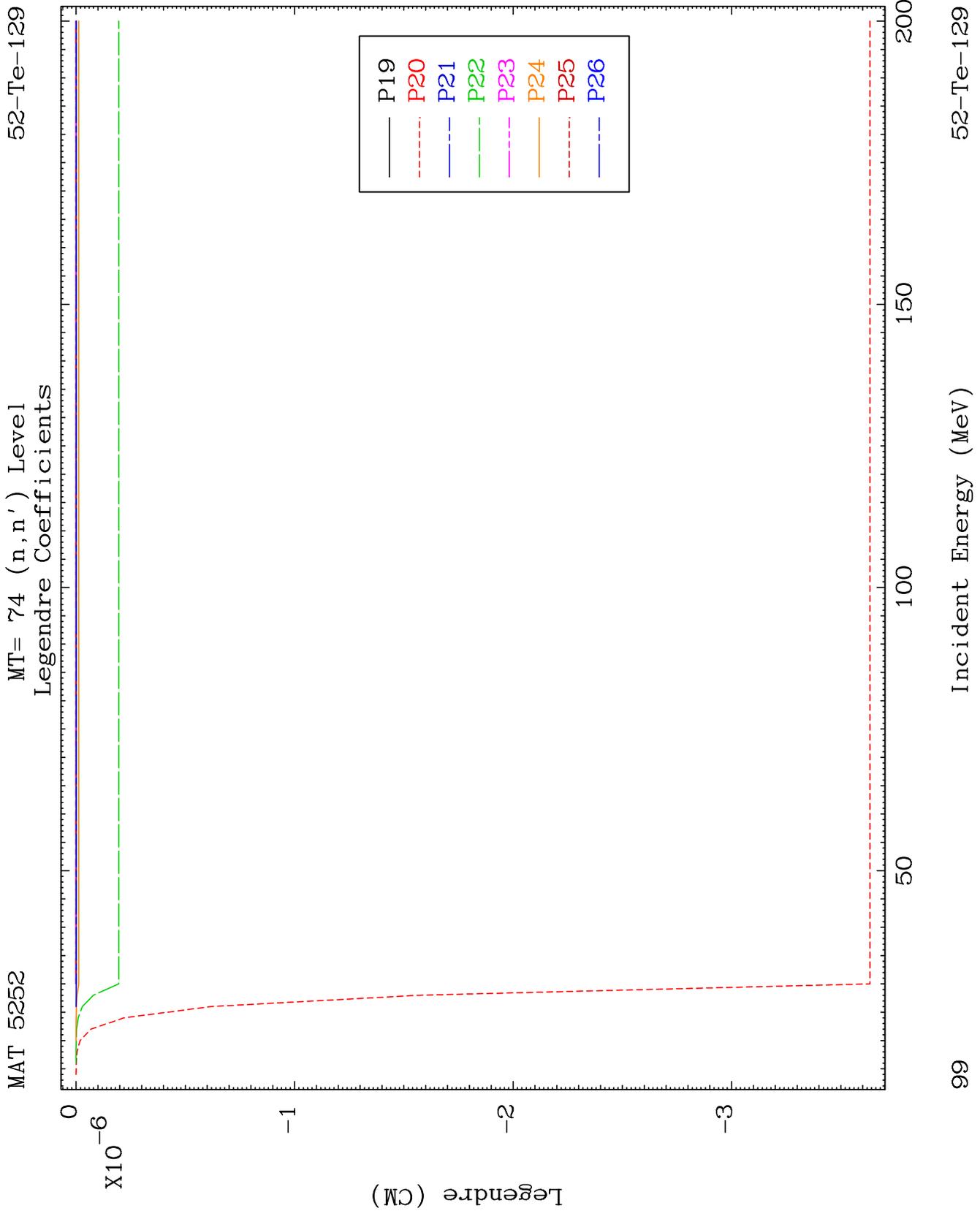
52-Te-129

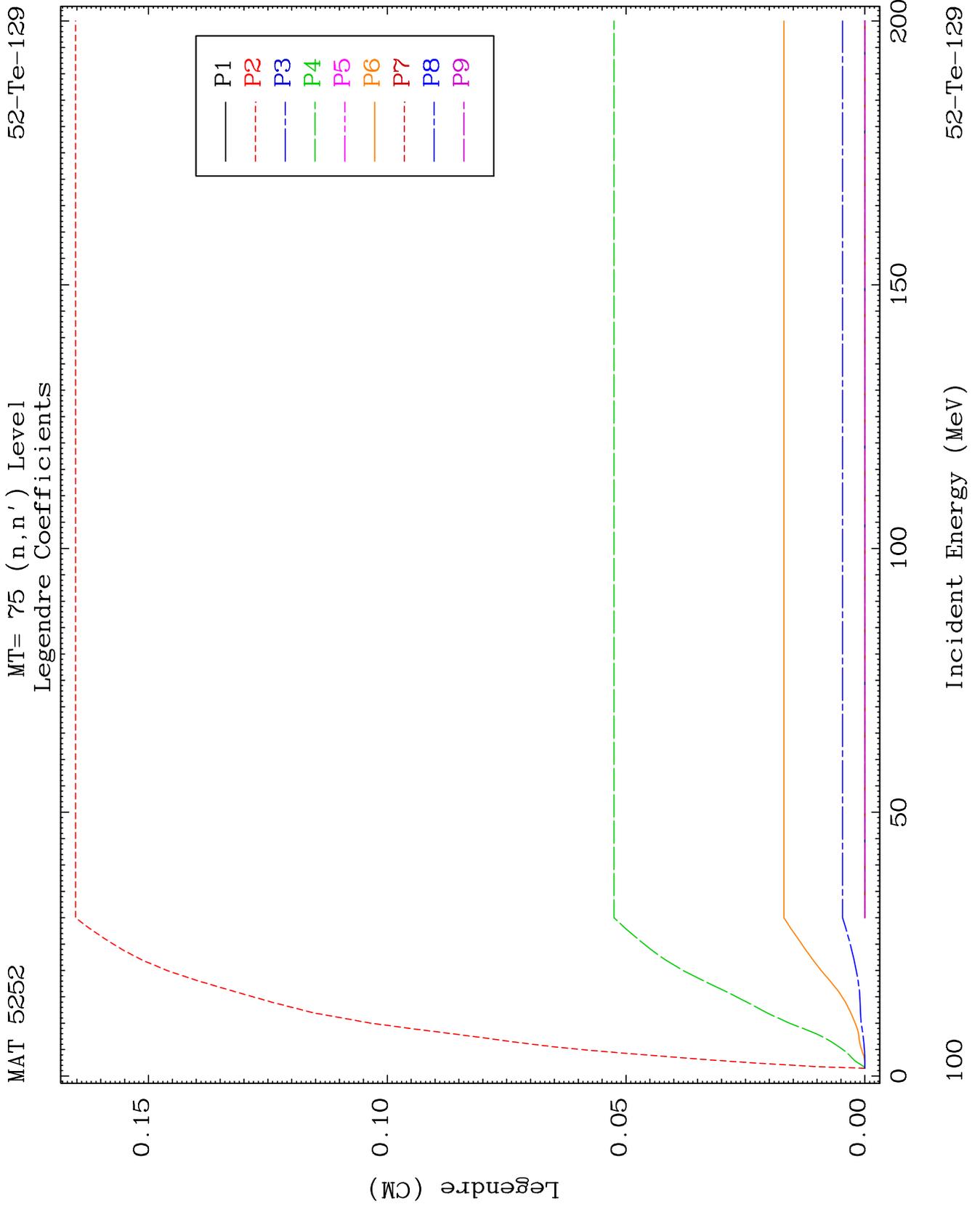


98

Incident Energy (MeV)

52-Te-129

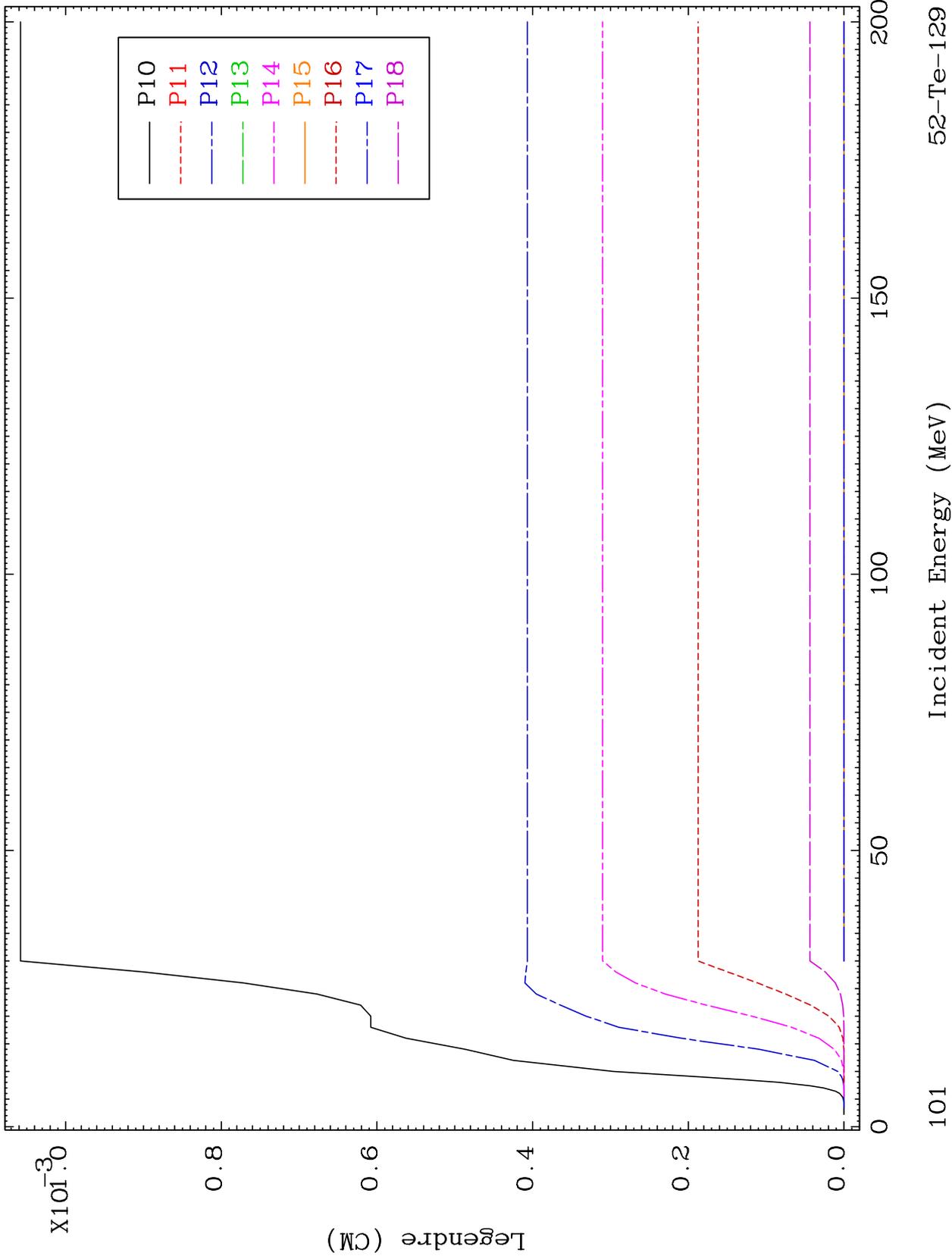




MAT 5252

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

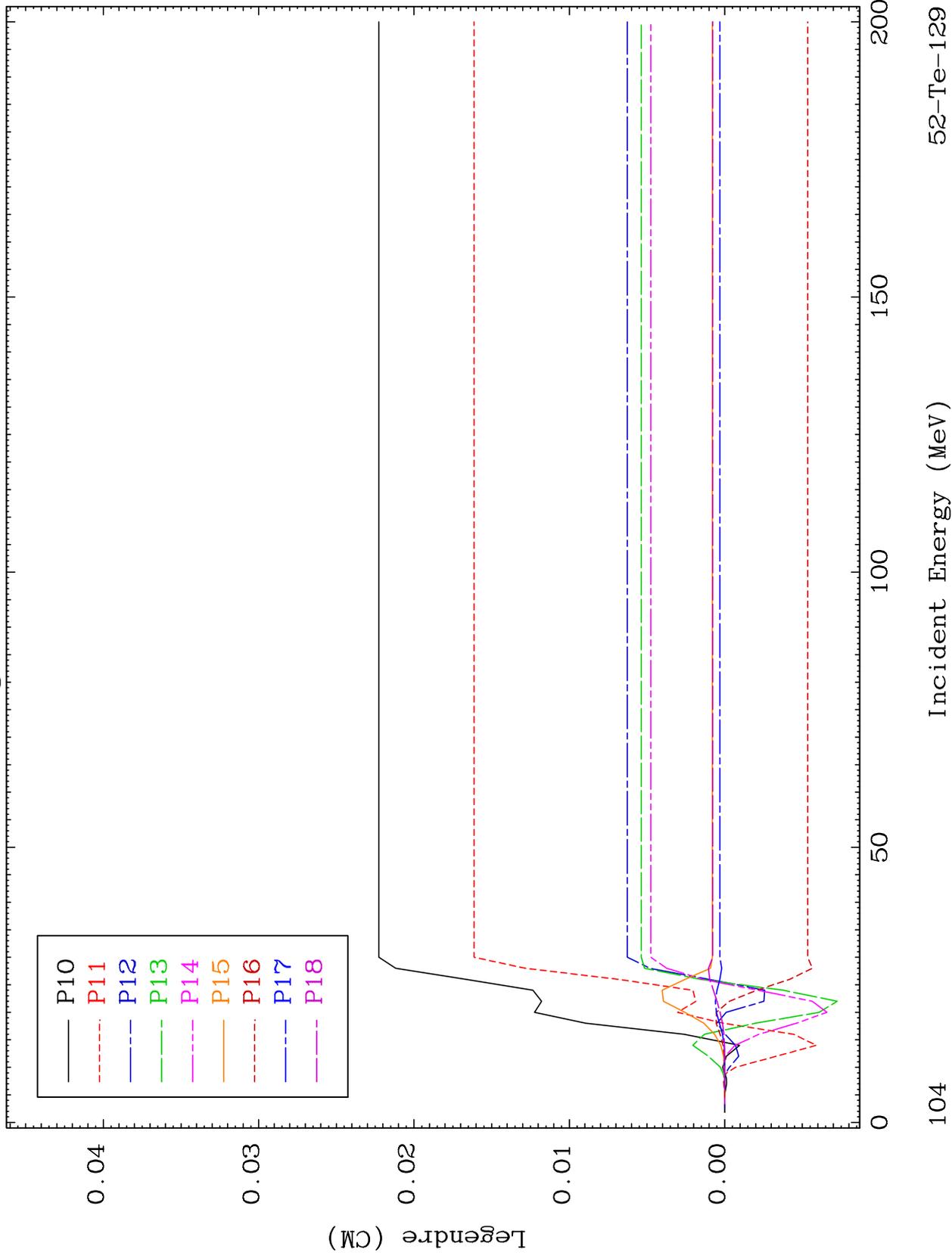
52-Te-129



MAT 5252

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

52-Te-129



104

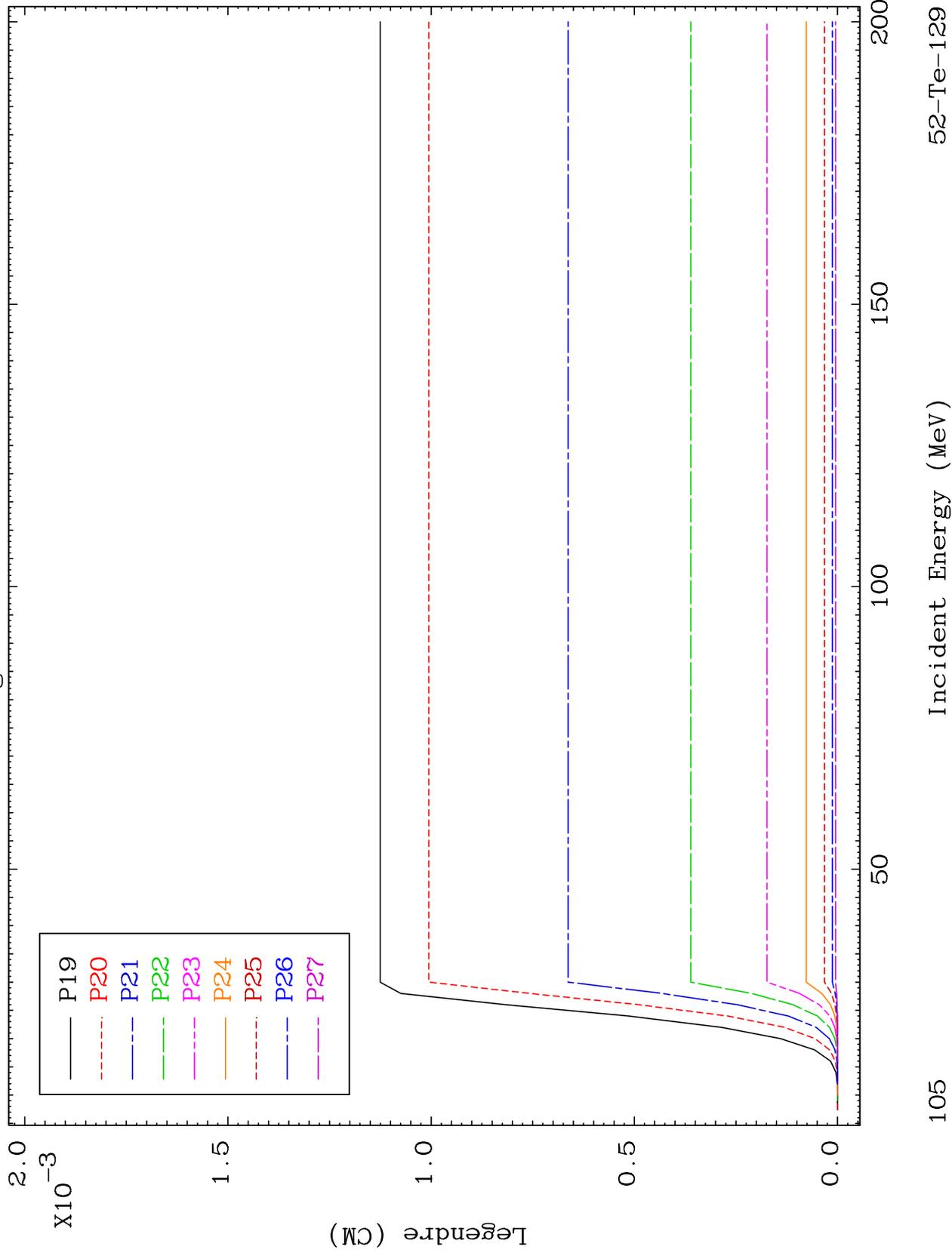
Incident Energy (MeV)

52-Te-129

MAT 5252

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

52-Te-129



105

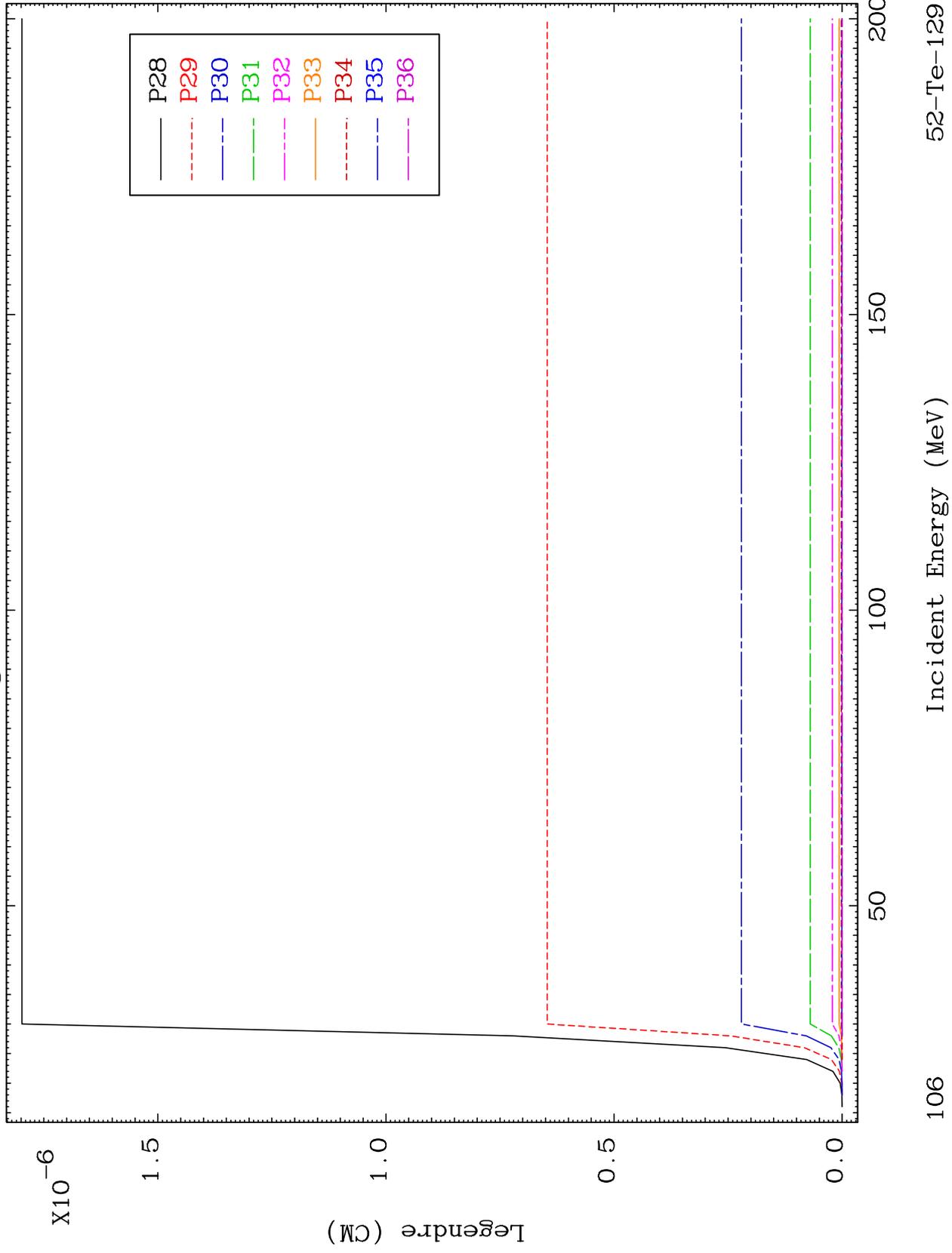
Incident Energy (MeV)

52-Te-129

MAT 5252

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

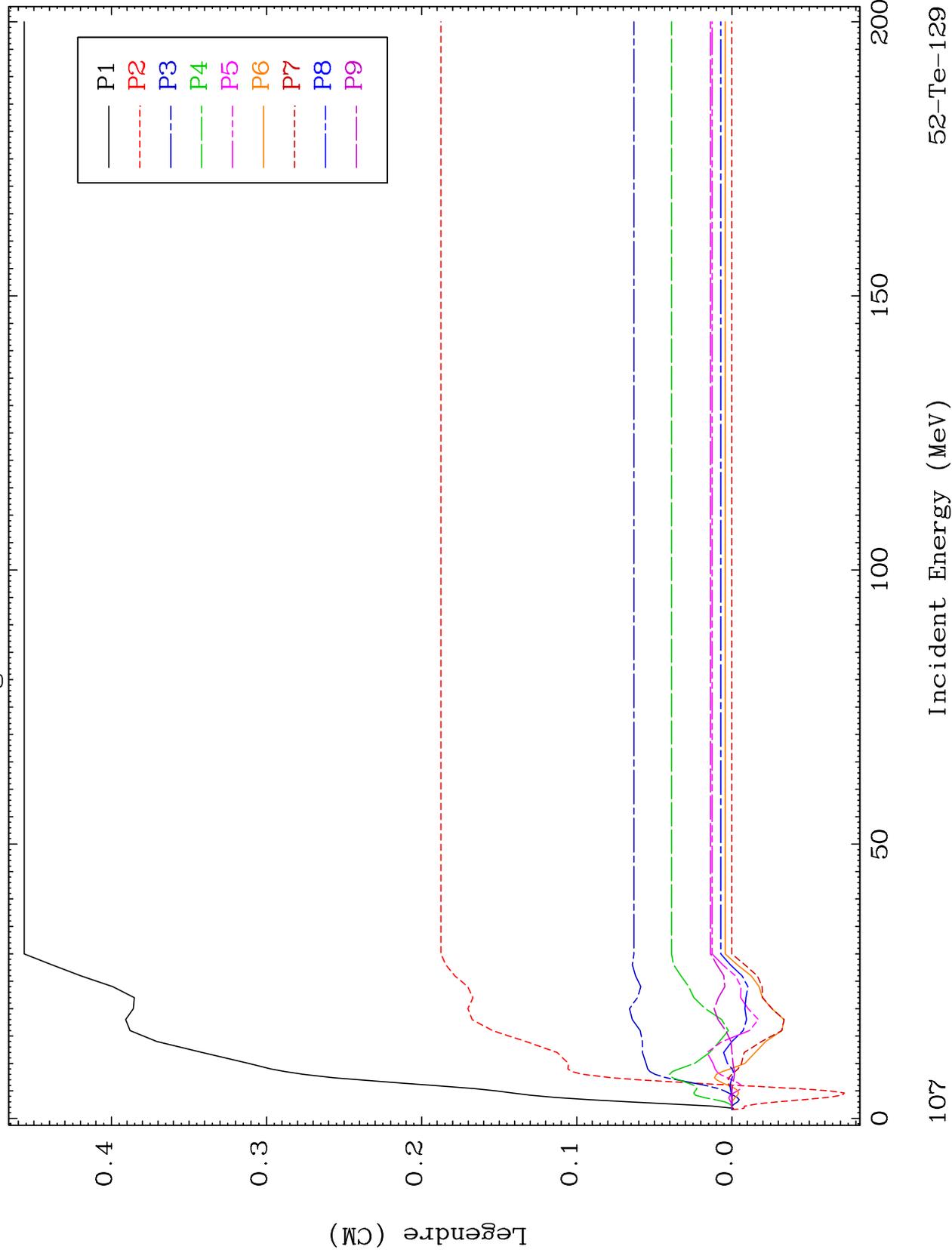
52-Te-129



MAT 5252

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

52-Te-129



52-Te-129

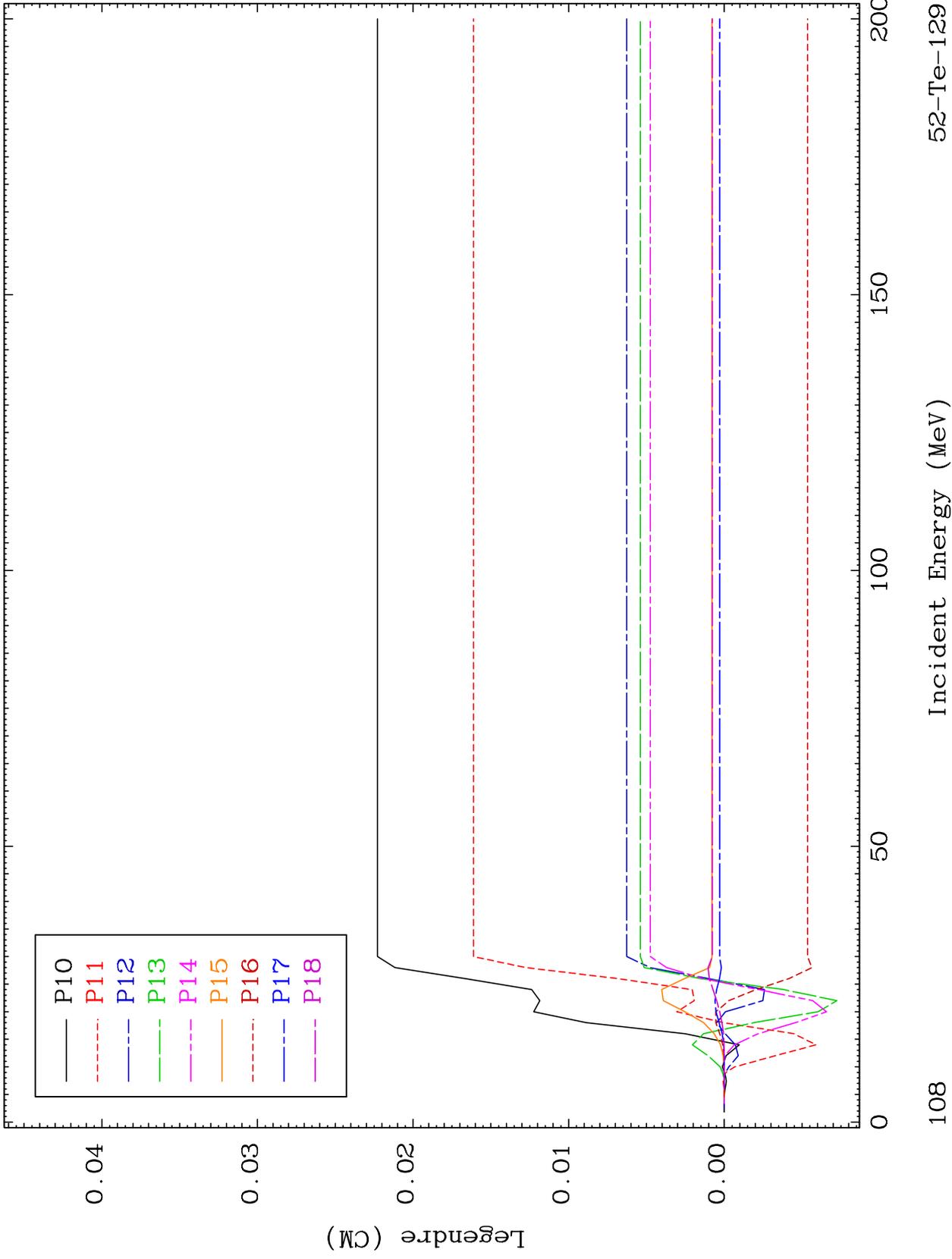
Incident Energy (MeV)

107

MAT 5252

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

52-Te-129



108

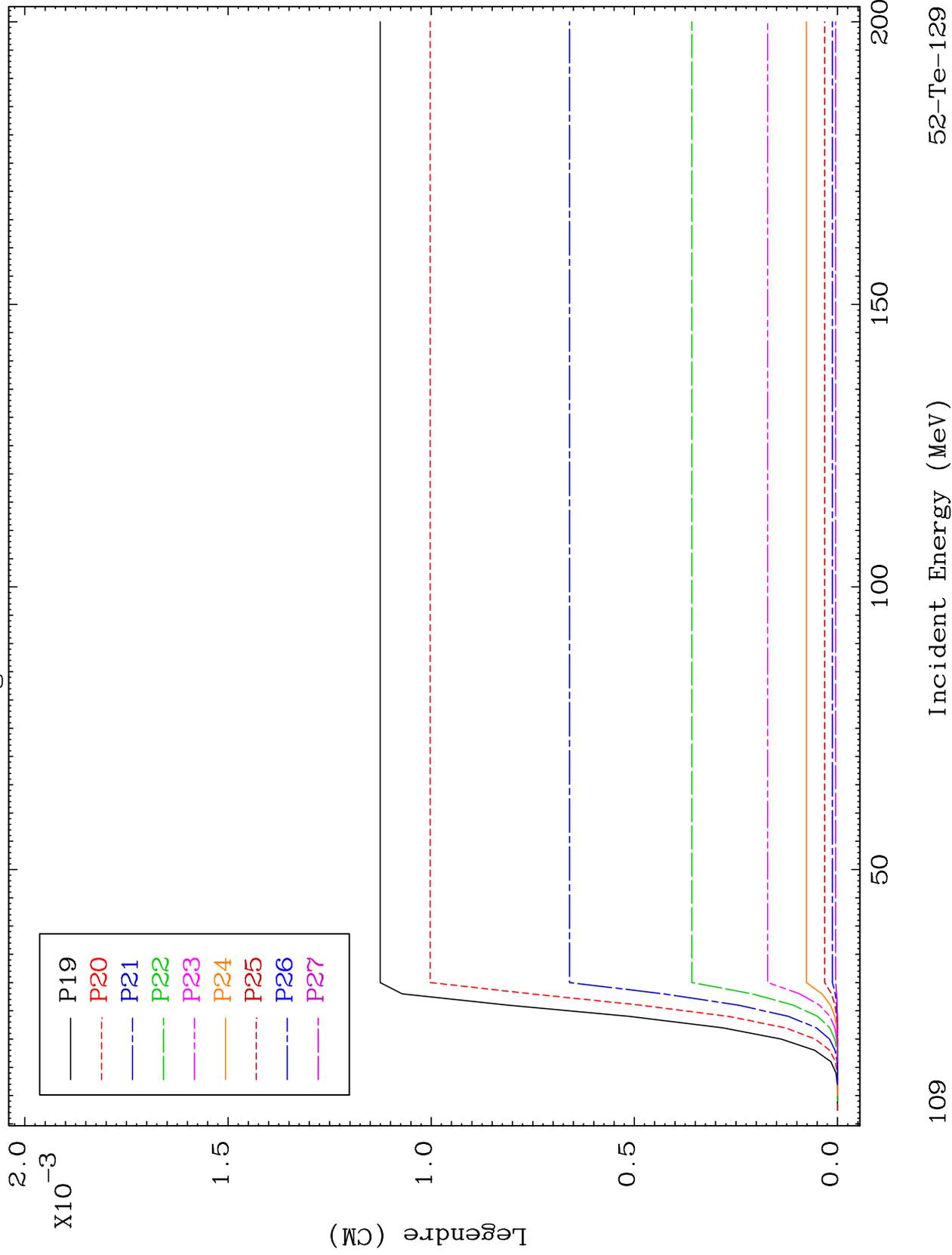
Incident Energy (MeV)

52-Te-129

MAT 5252

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

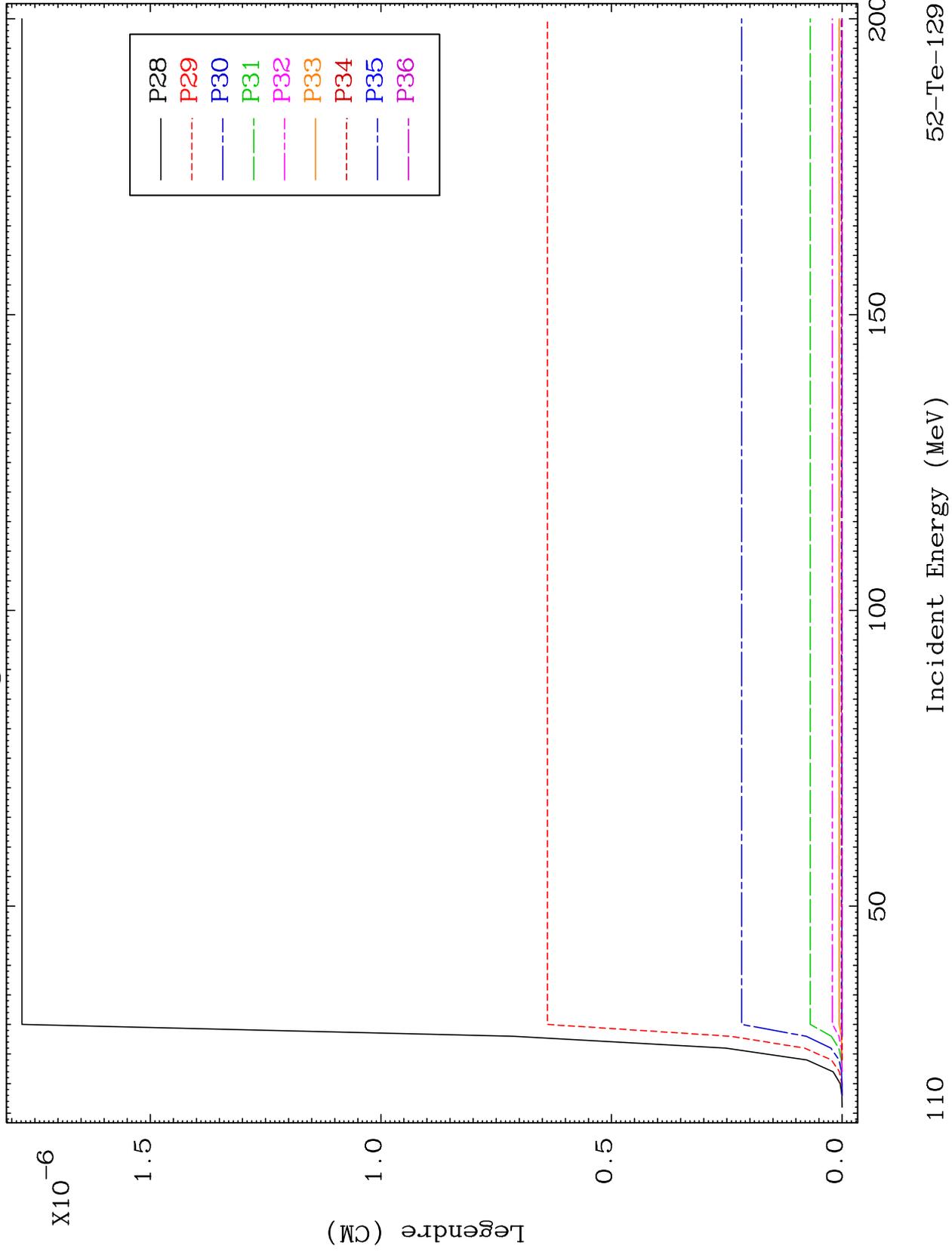
52-Te-129



MAT 5252

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

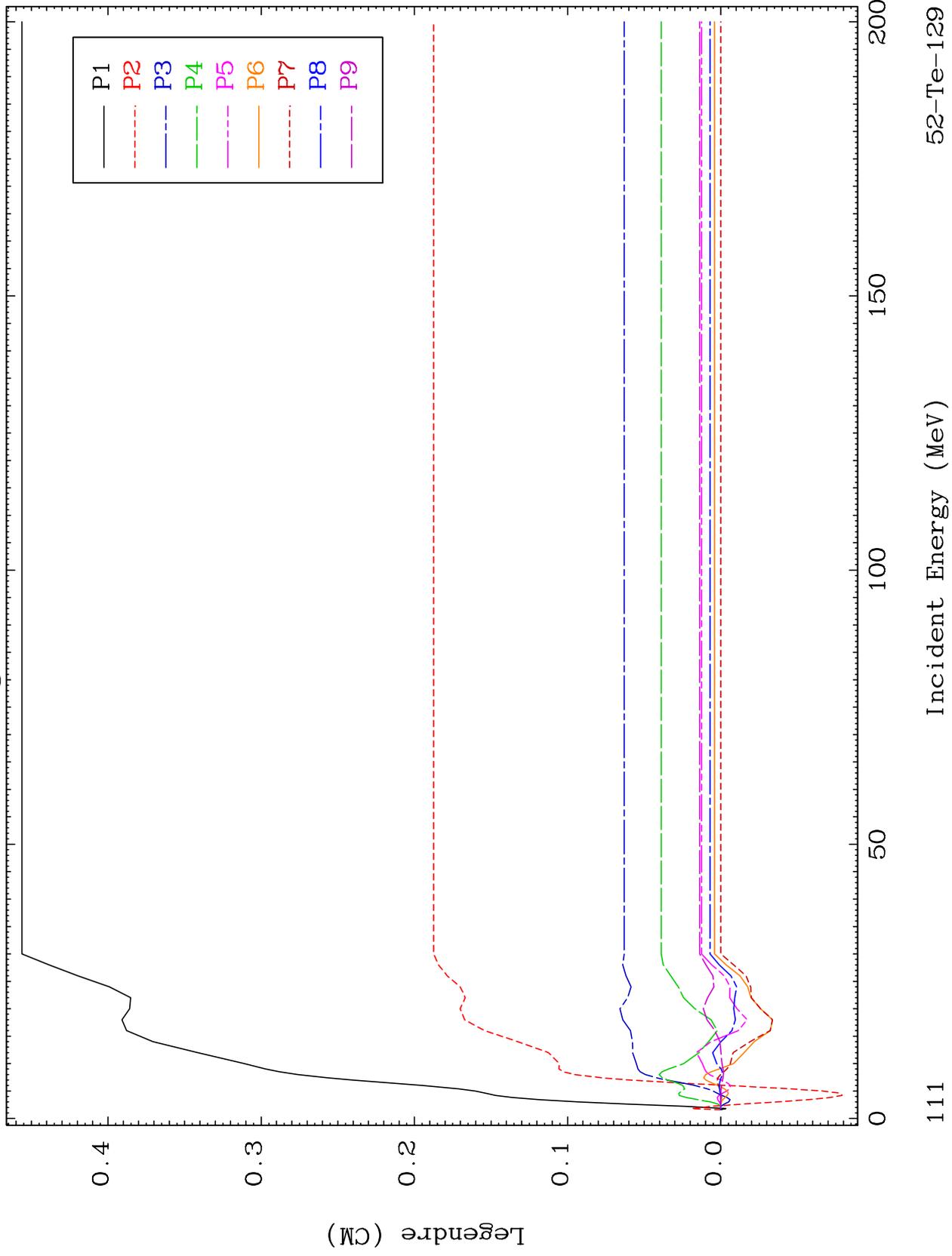
52-Te-129



MAT 5252

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

52-Te-129



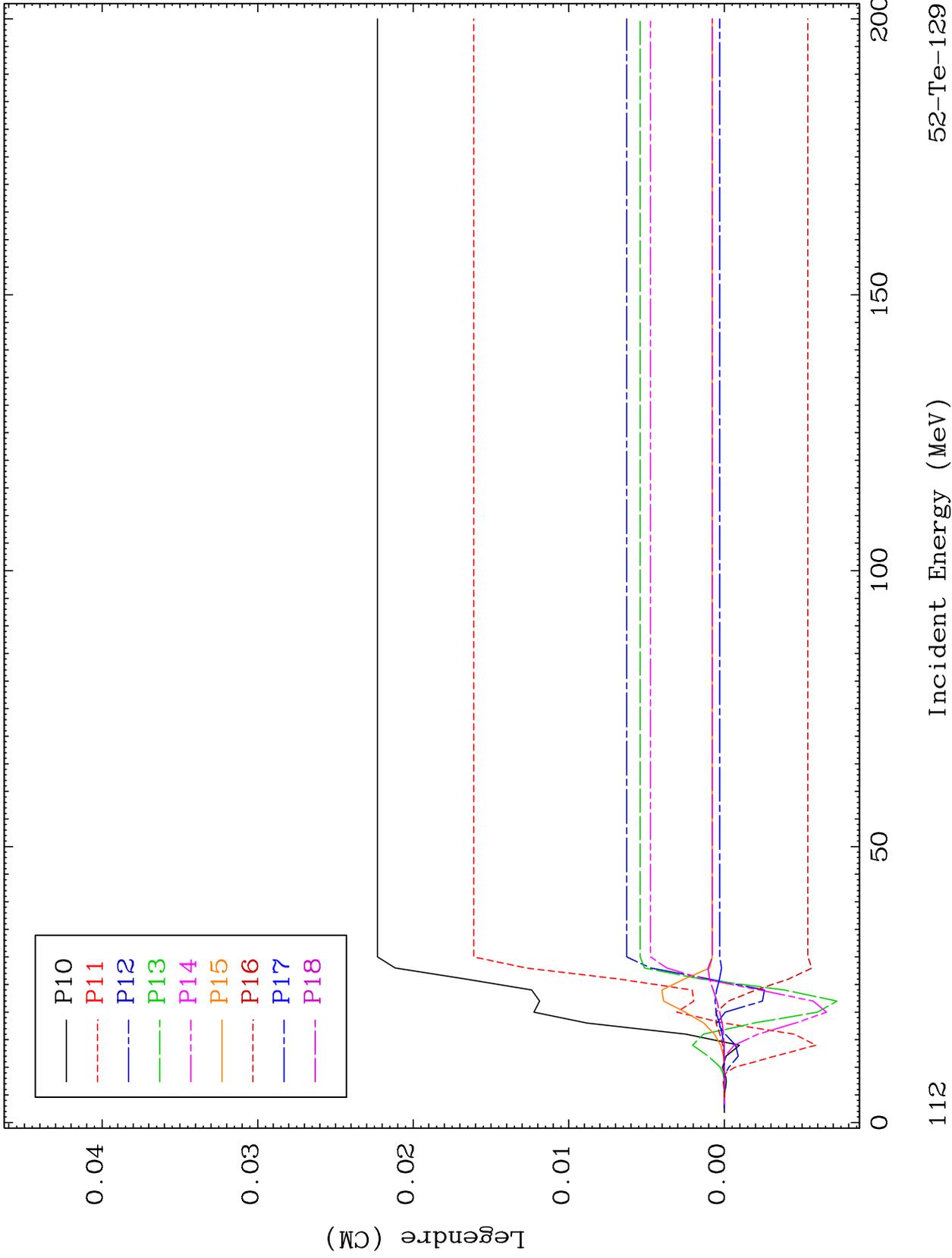
111

52-Te-129

MAT 5252

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

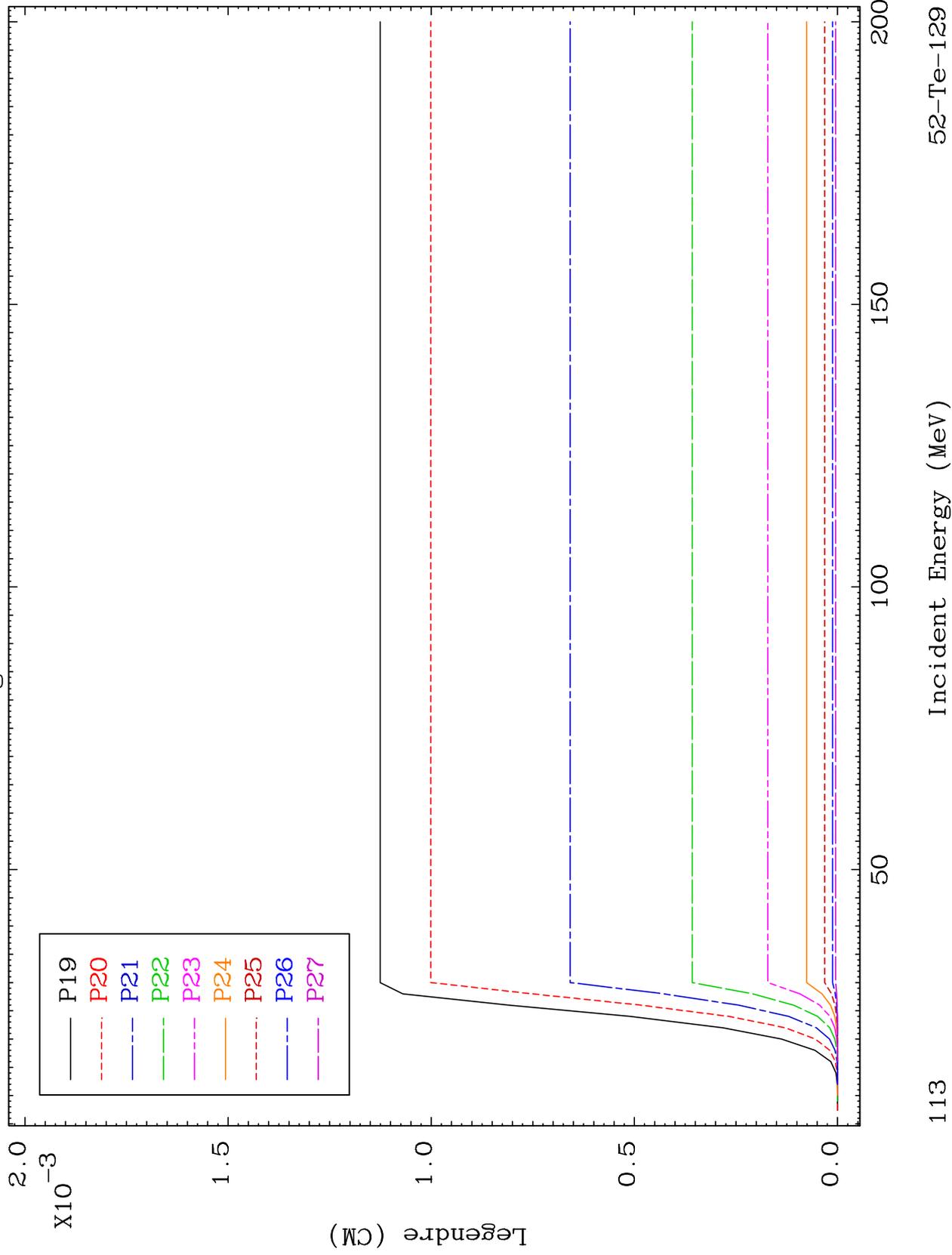
52-Te-129



MAT 5252

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

52-Te-129



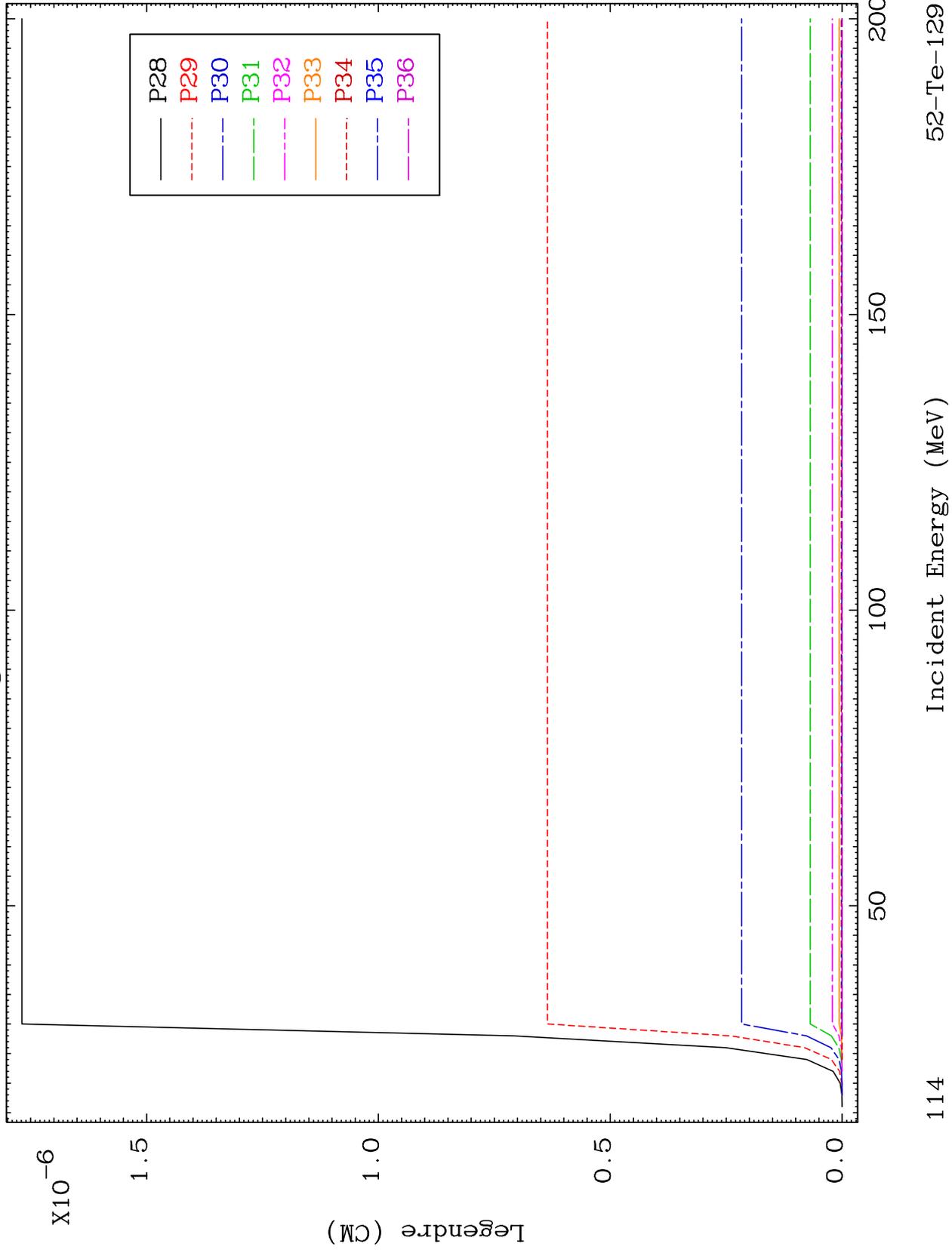
113

52-Te-129

MAT 5252

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

52-Te-129



114

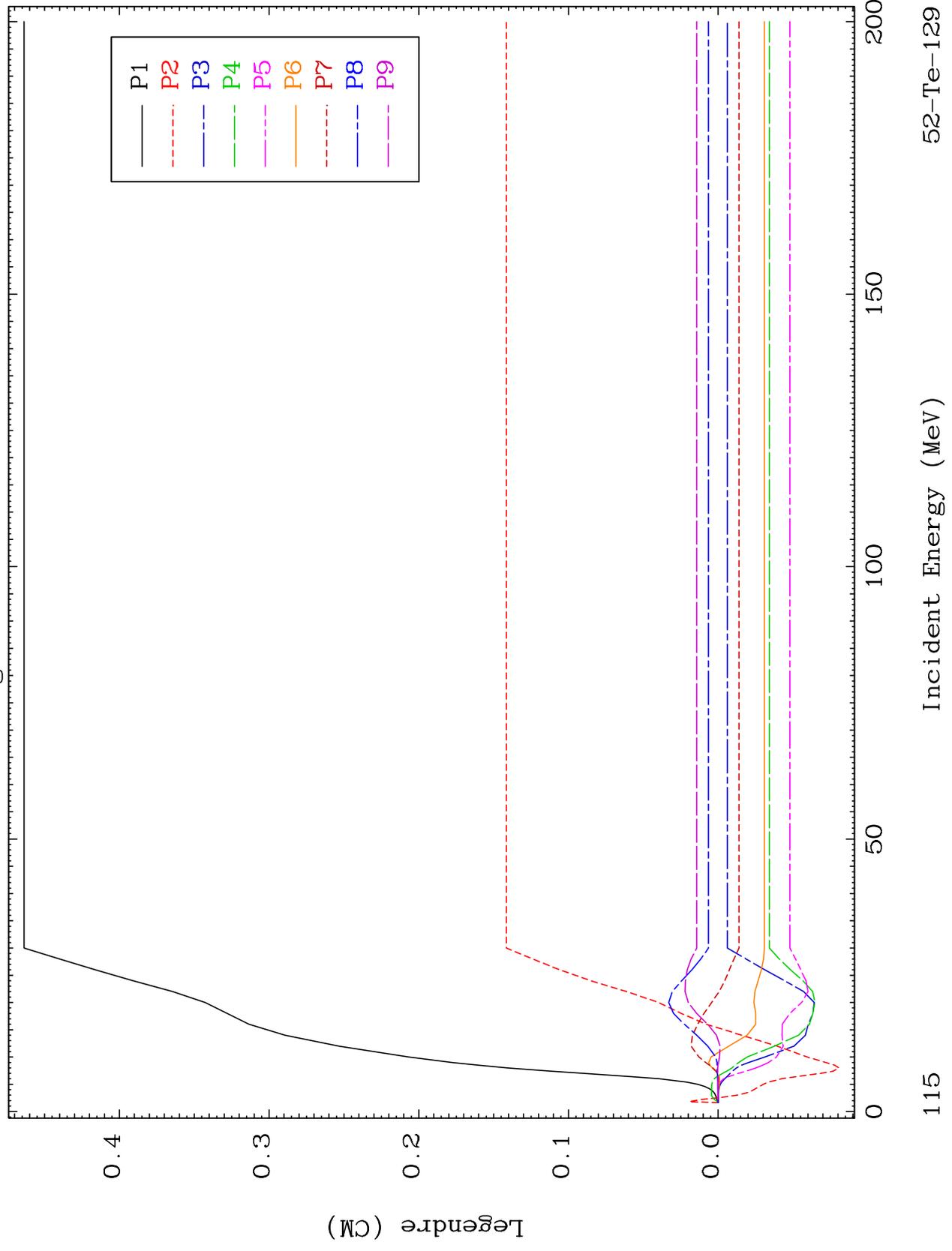
Incident Energy (MeV)

52-Te-129

MAT 5252

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

52-Te-129



52-Te-129

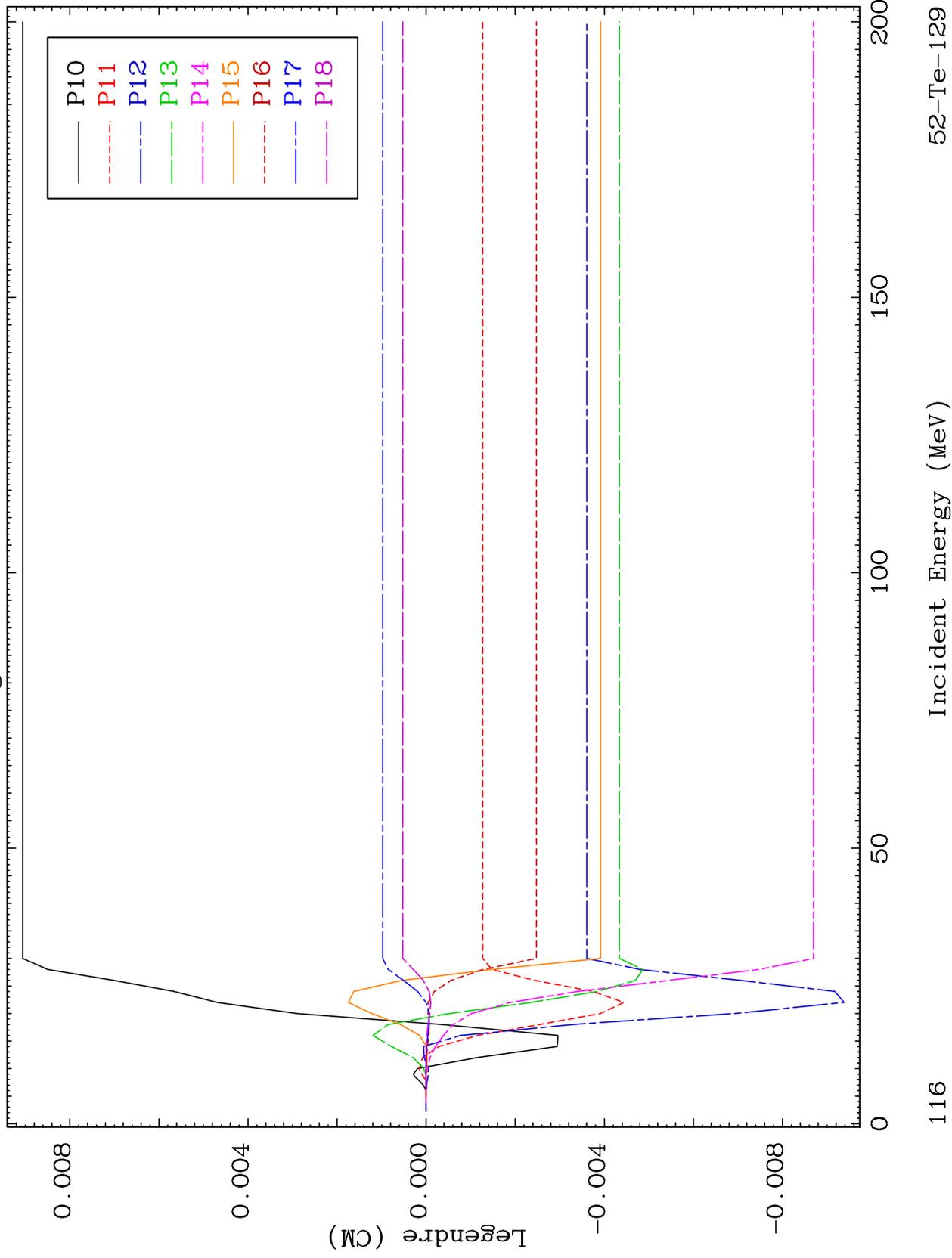
Incident Energy (MeV)

115

MAT 5252

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

52-Te-129



116

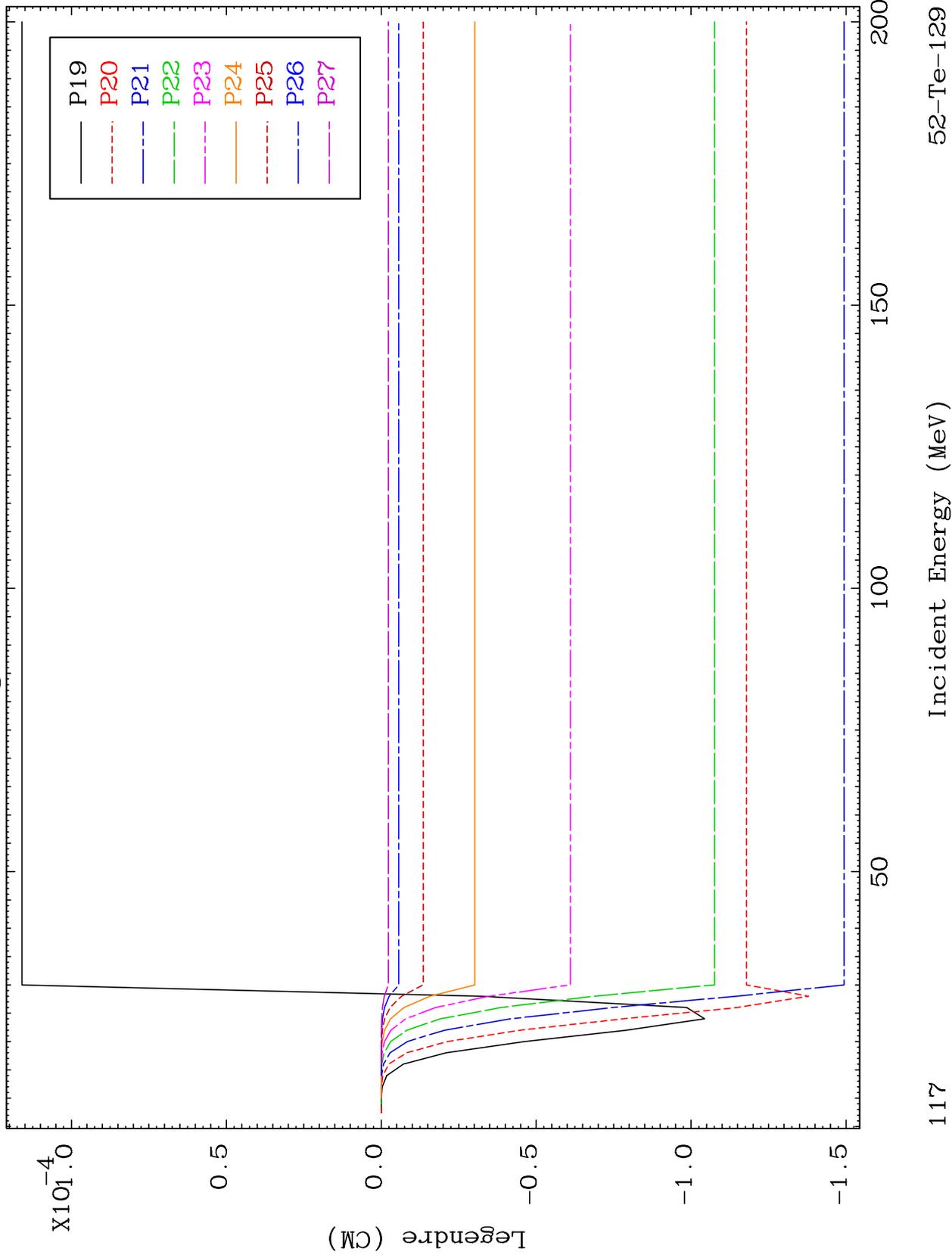
Incident Energy (MeV)

52-Te-129

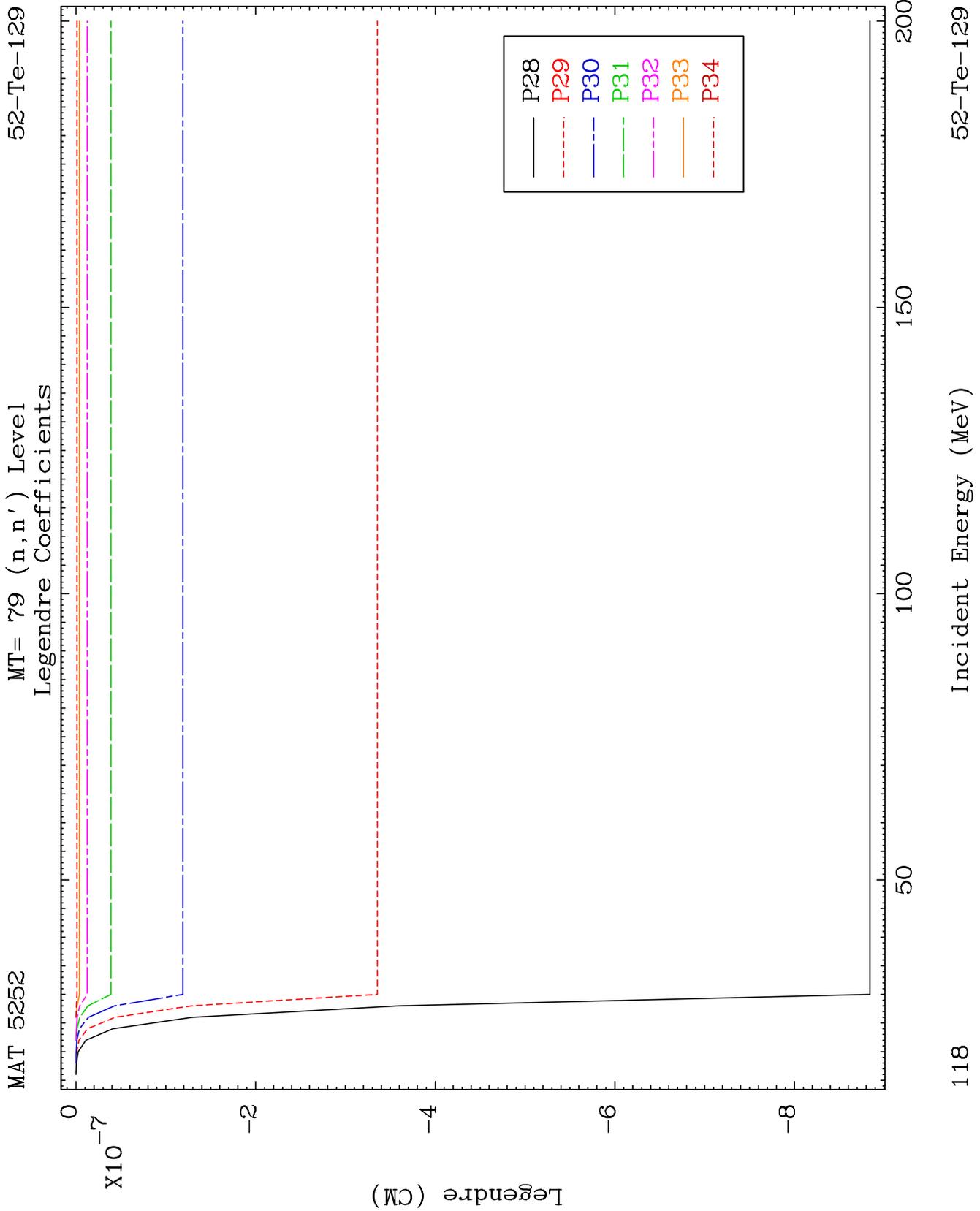
MAT 5252

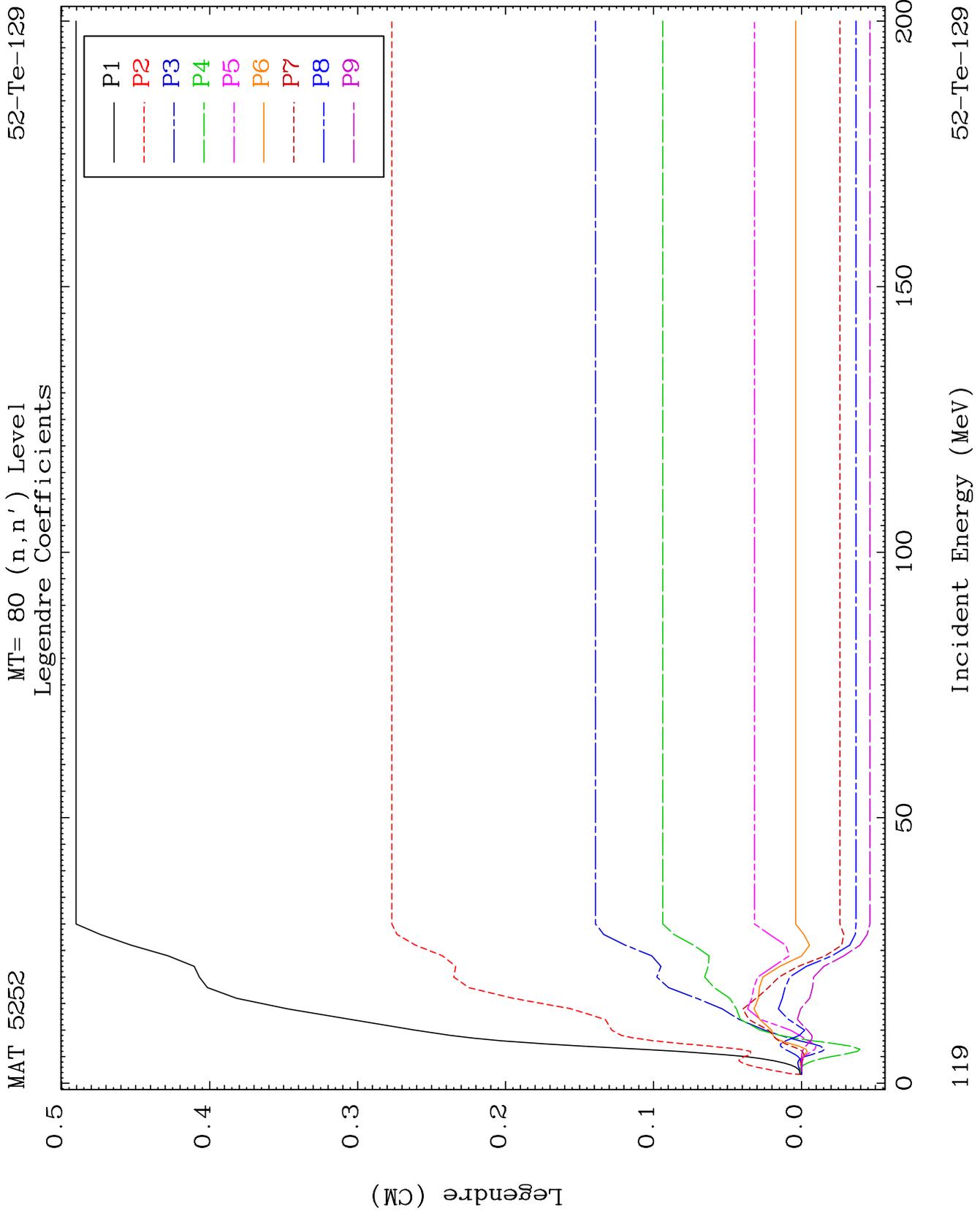
MT= 79 (n,n') Level
Legendre Coefficients

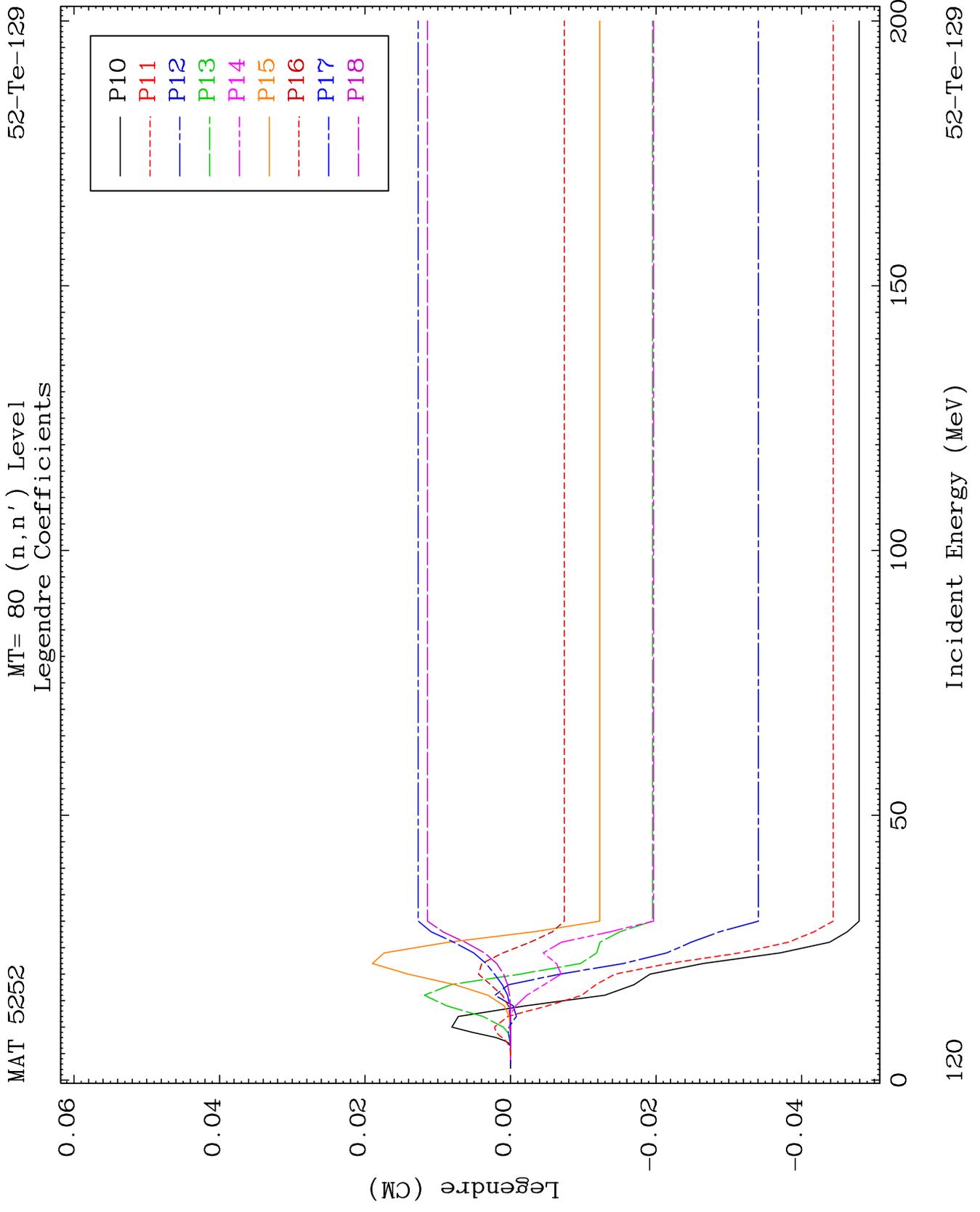
52-Te-129



117



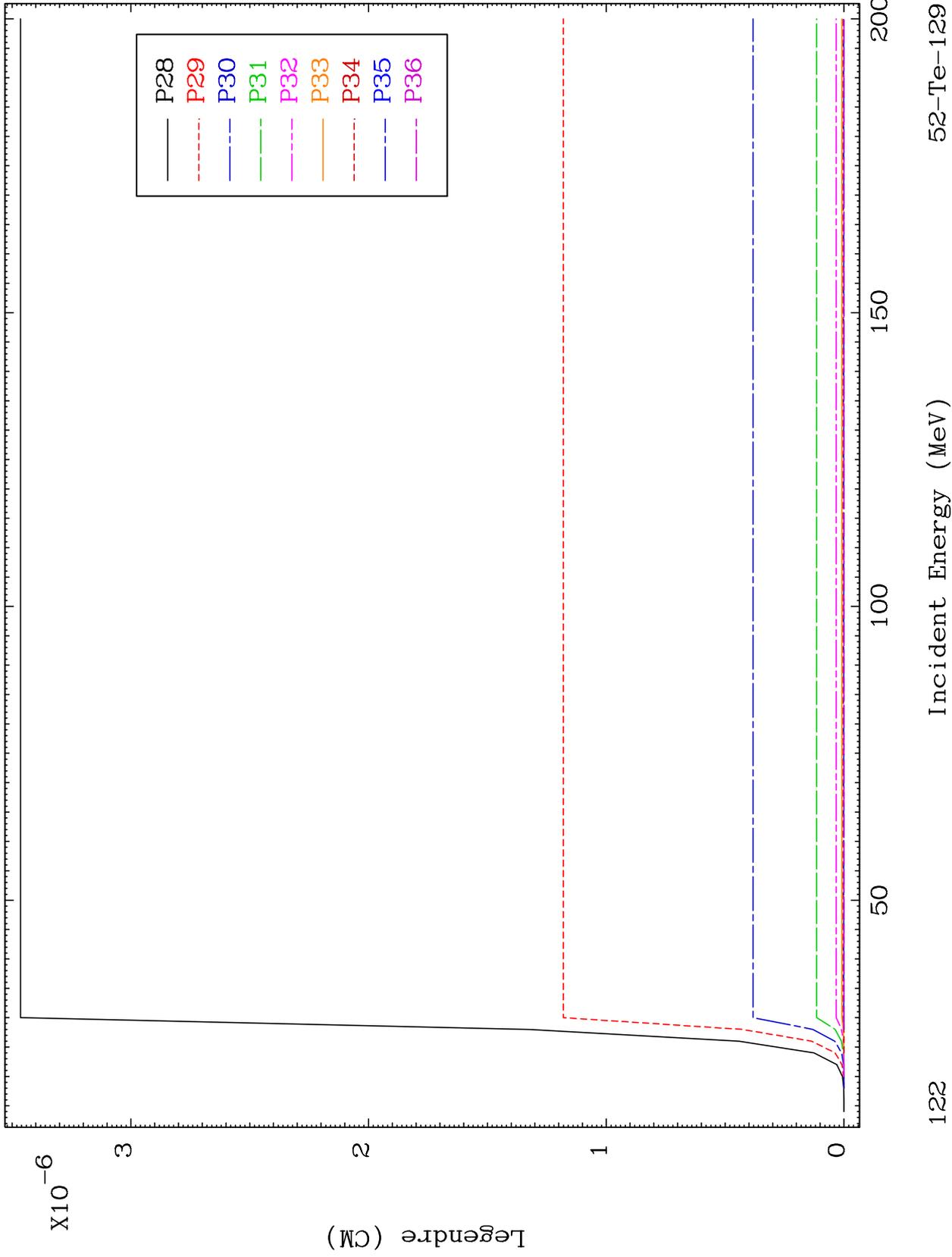




MAT 5252

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

52-Te-129



122

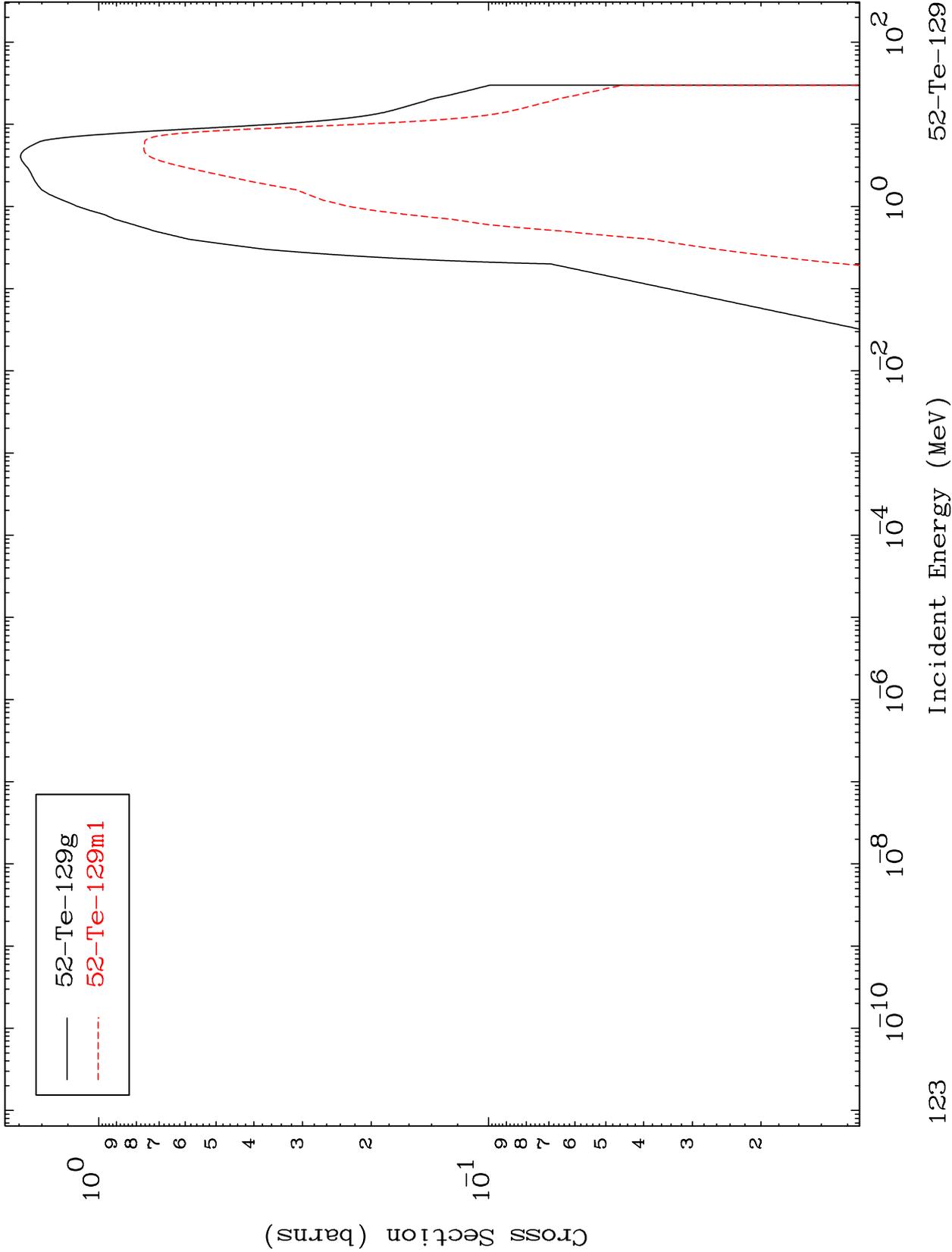
Incident Energy (MeV)

52-Te-129

MAT 5252

Inelastic
Radionuclide Production Cross Section

52-Te-129

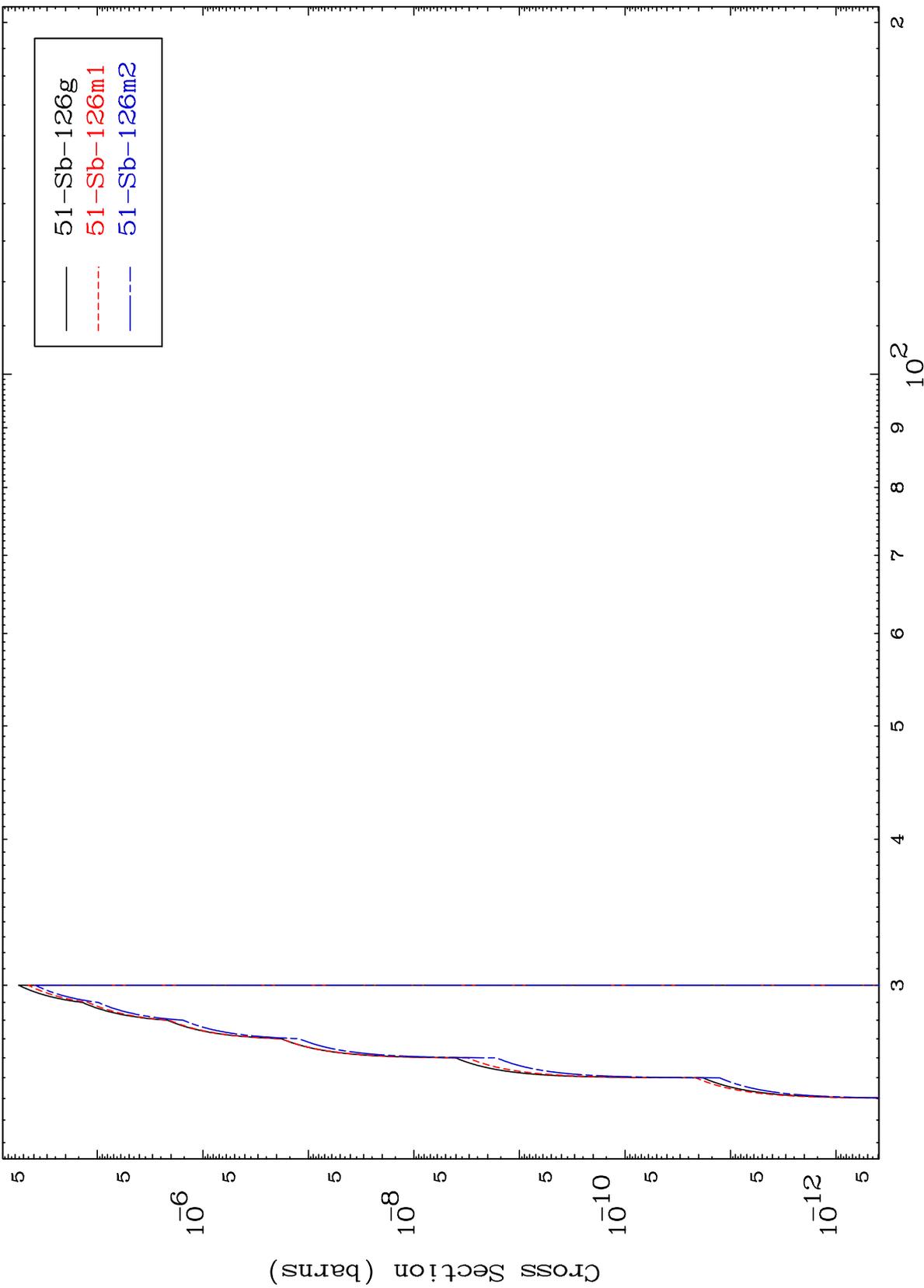


MAT 5252

(n,2n) d

52-Te-129

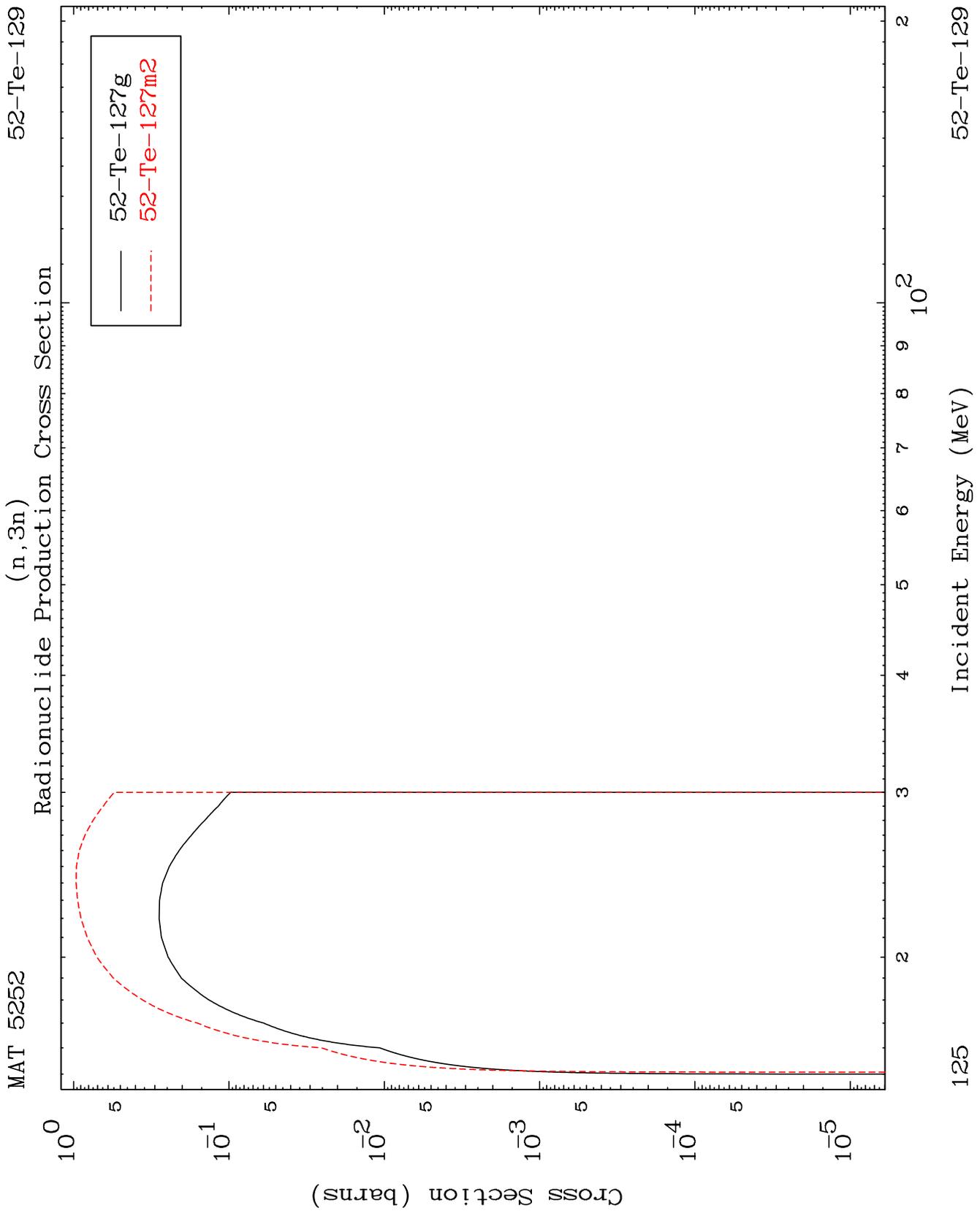
Radionuclide Production Cross Section



124

Incident Energy (MeV)

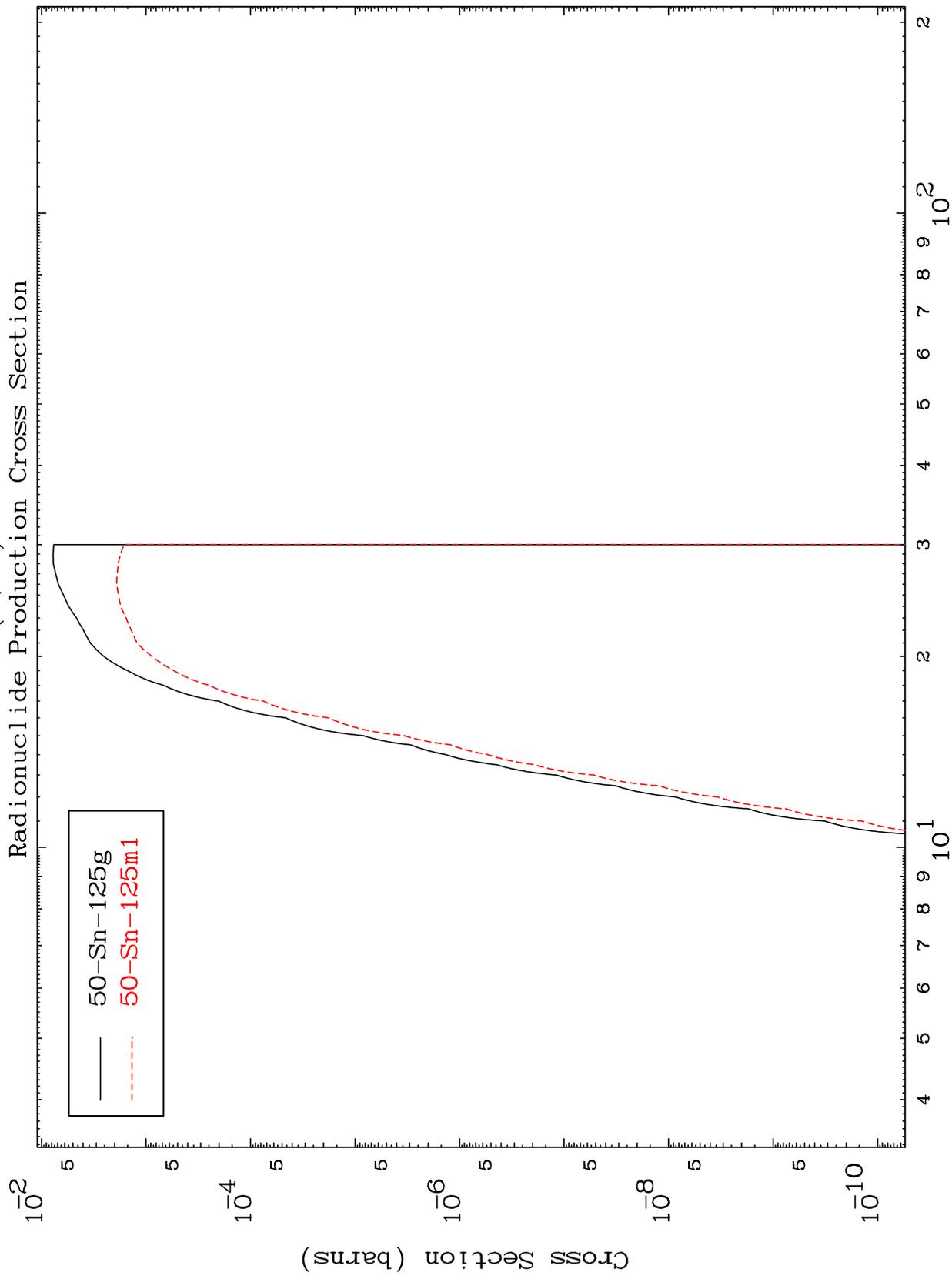
52-Te-129



MAT 5252

(n,n') α

52-Te-129



126

Incident Energy (MeV)

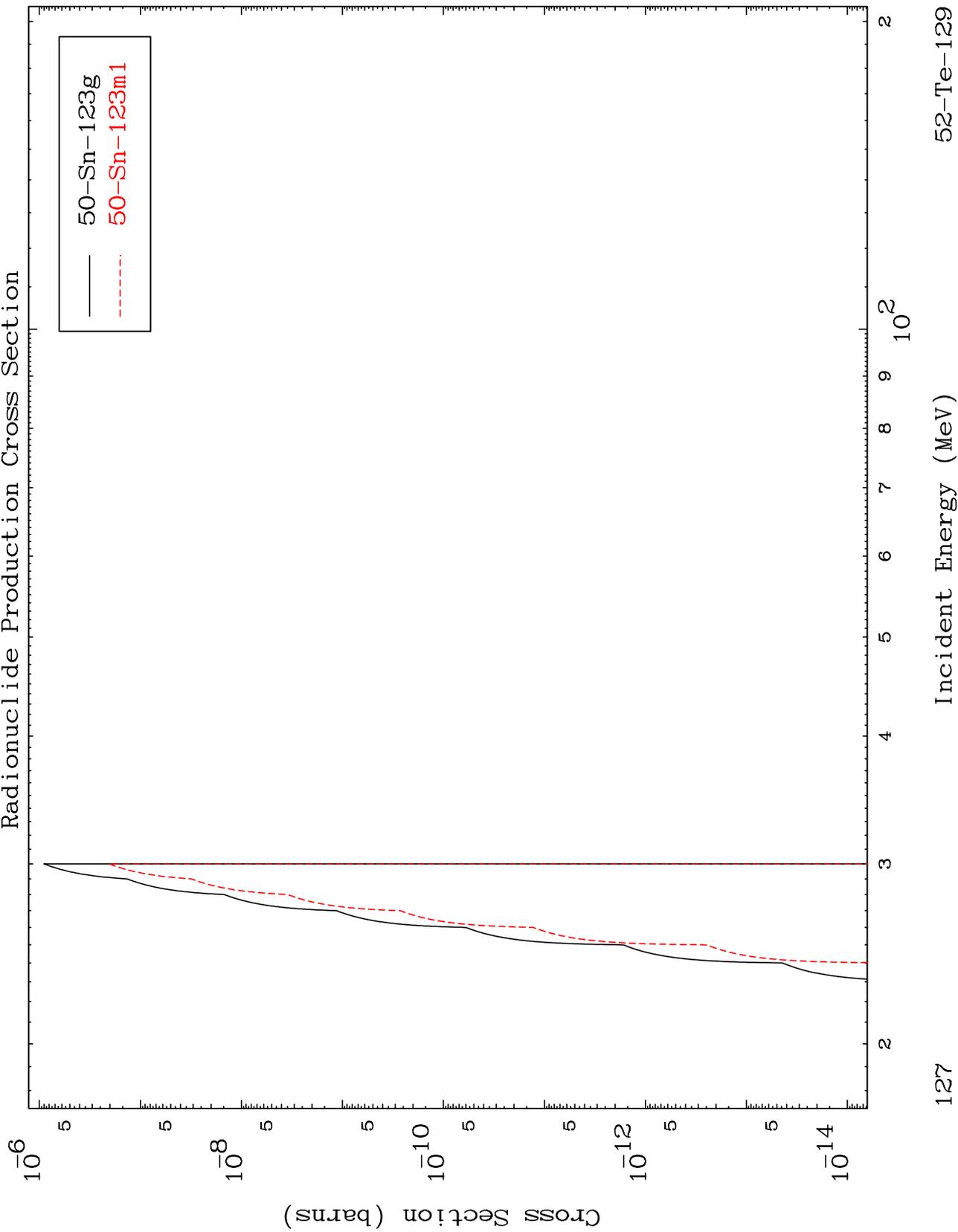
52-Te-129

MAT 5252

(n,3n) α

52-Te-129

Radionuclide Production Cross Section



127

Incident Energy (MeV)

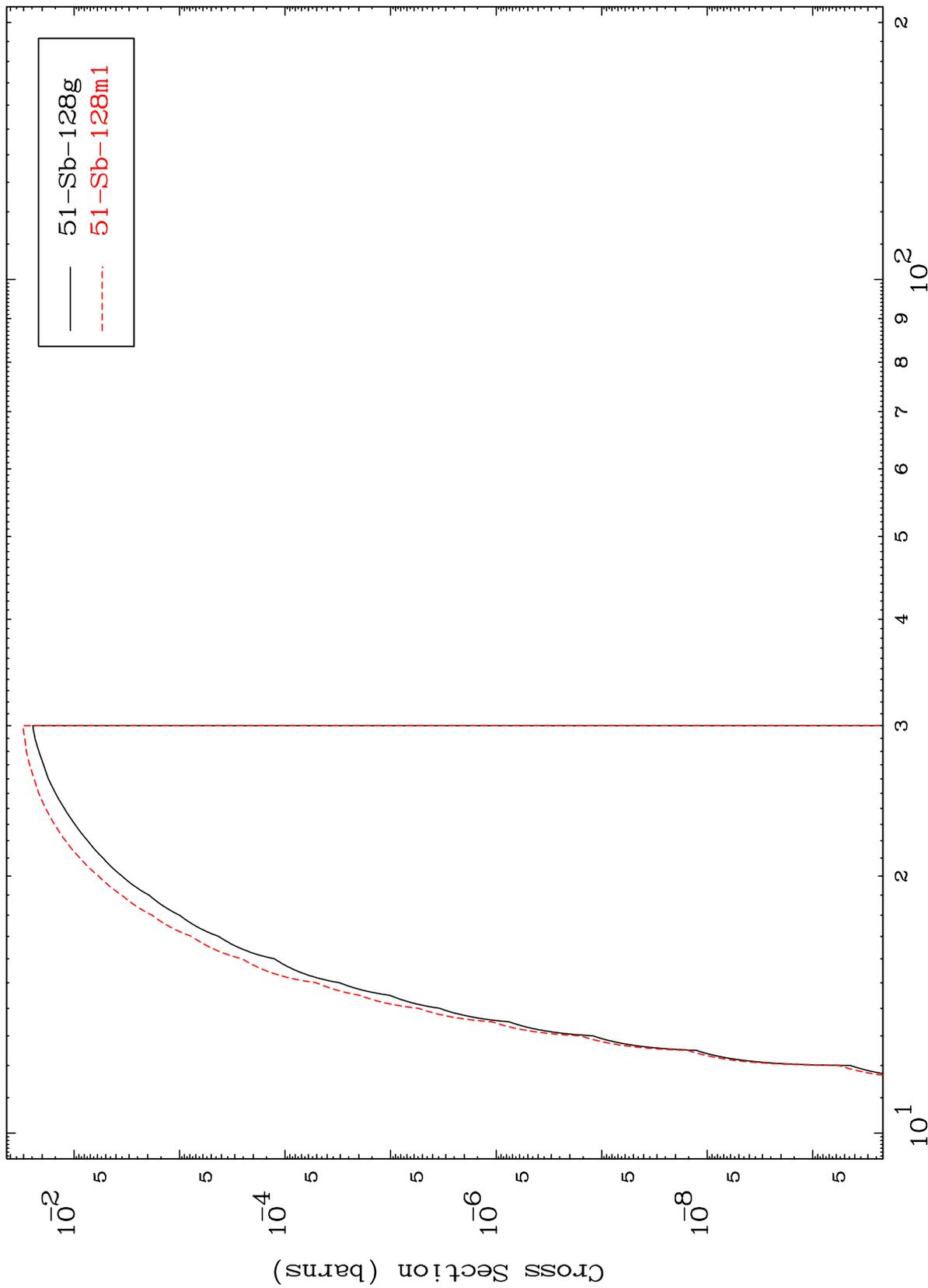
52-Te-129

MAT 5252

(n,n') p

52-Te-129

Radionuclide Production Cross Section



Incident Energy (MeV)

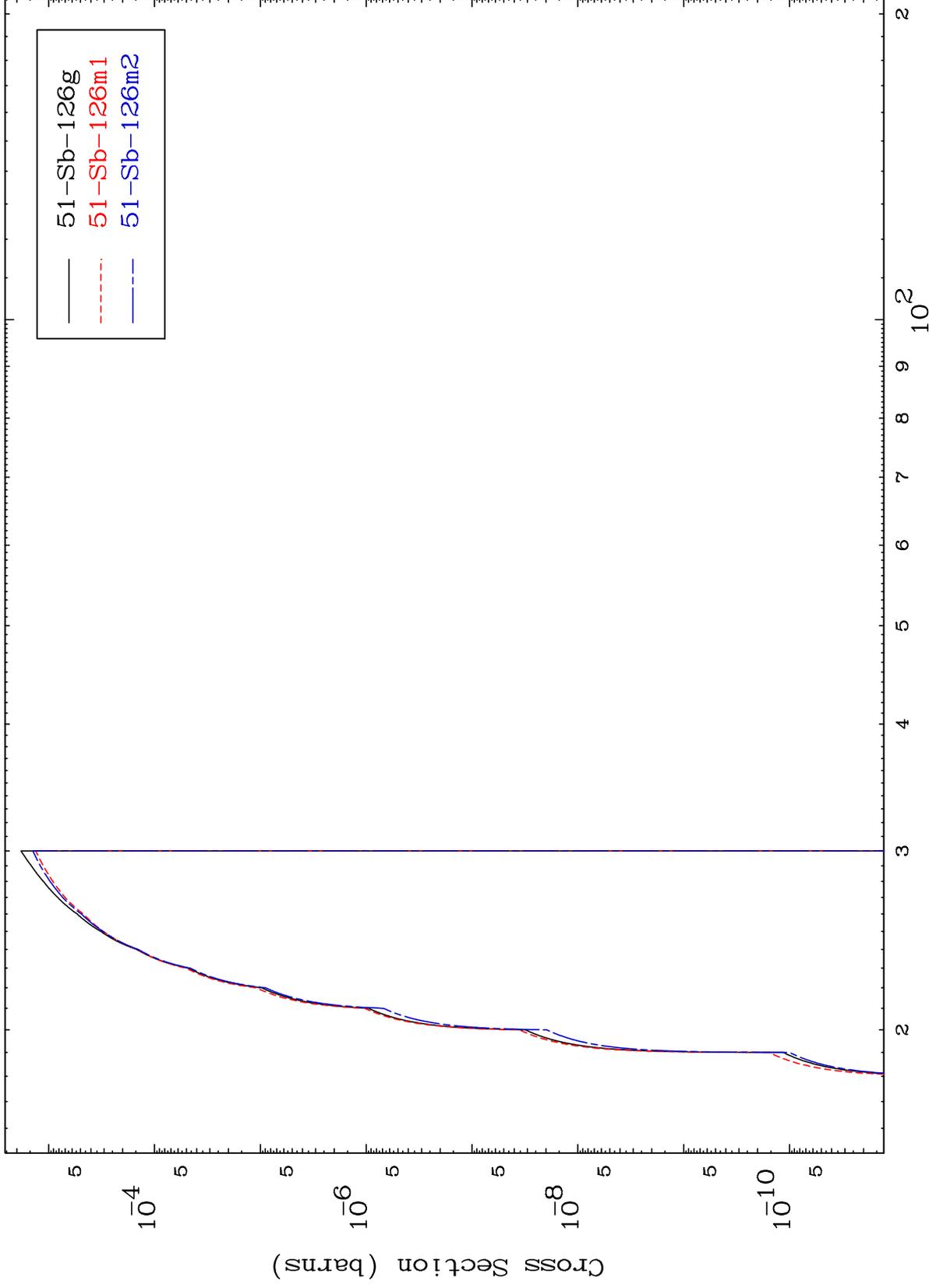
52-Te-129

MAT 5252

(n,n') t

52-Te-129

Radionuclide Production Cross Section



129

Incident Energy (MeV)

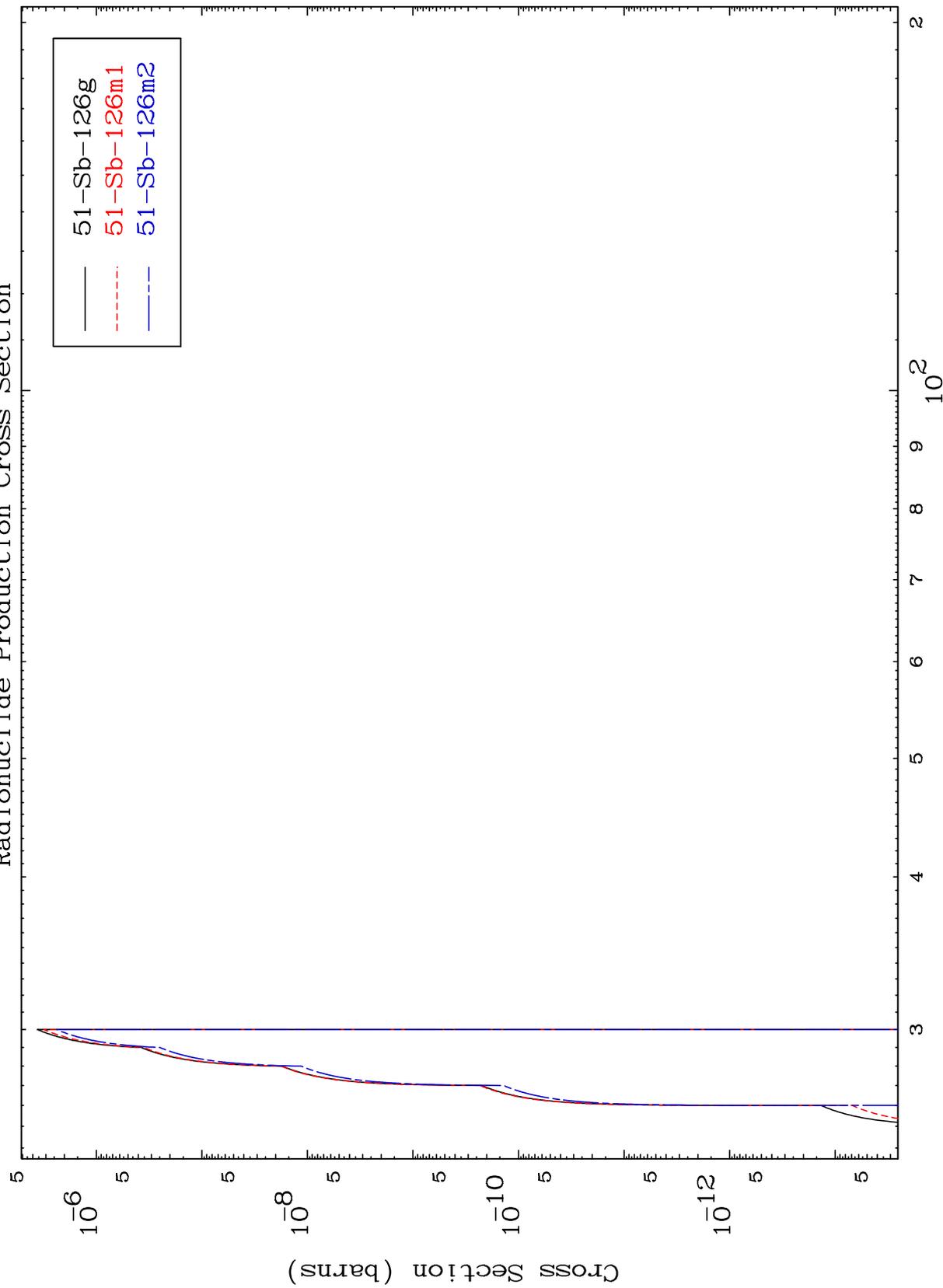
52-Te-129

MAT 5252

(n,3n) p

52-Te-129

Radionuclide Production Cross Section



130

Incident Energy (MeV)

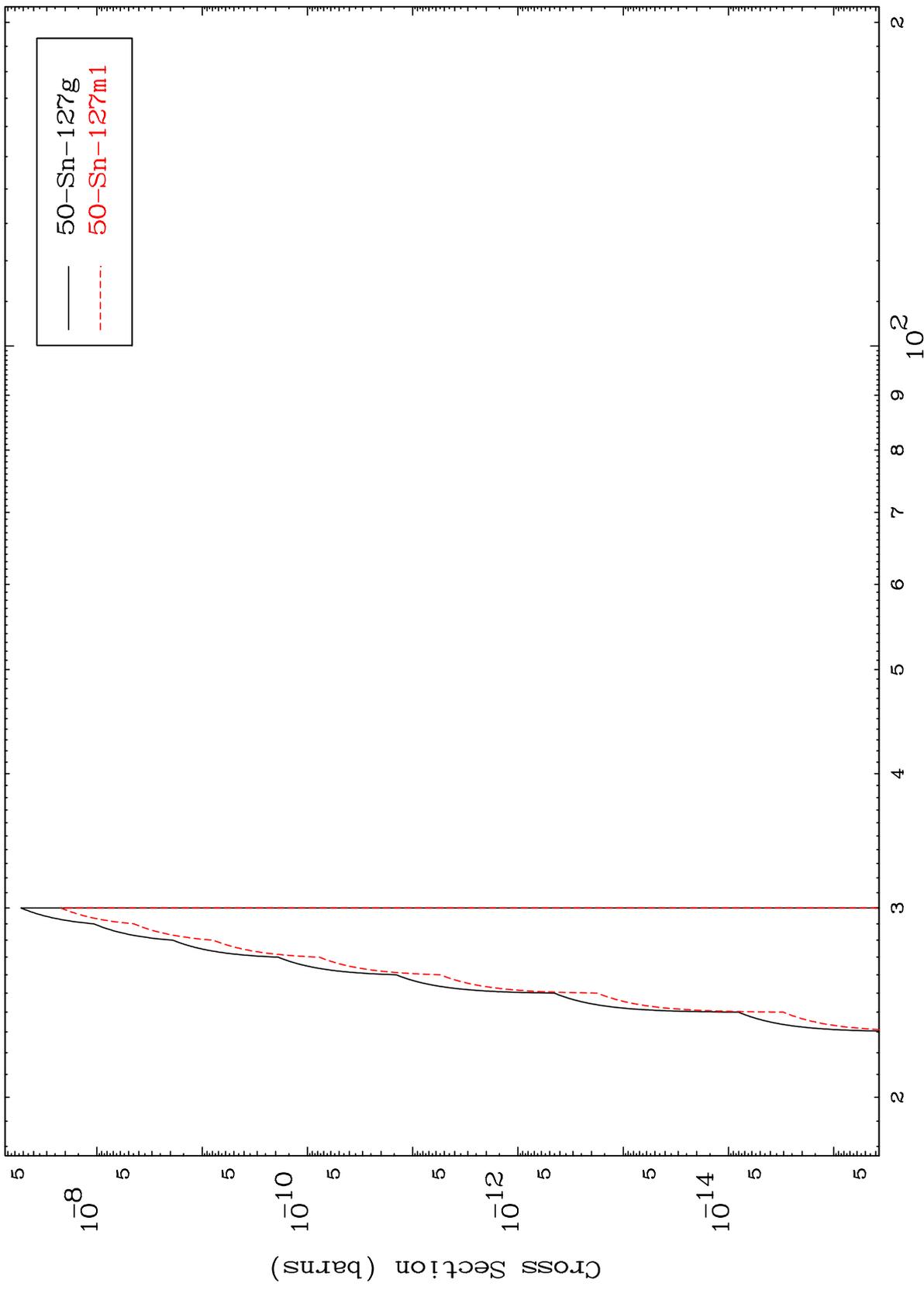
52-Te-129

MAT 5252

(n,2n) p

52-Te-129

Radionuclide Production Cross Section



131

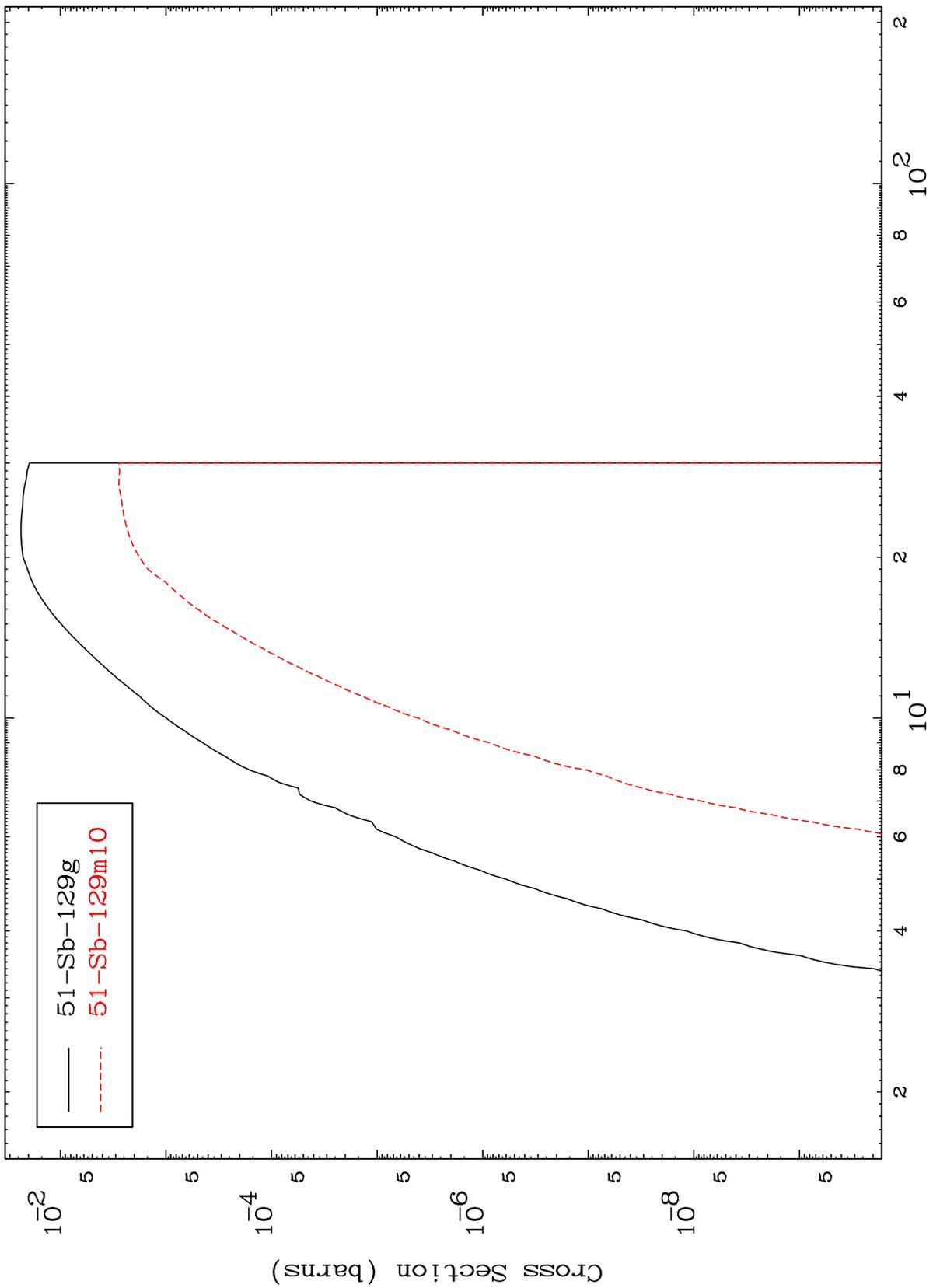
Incident Energy (MeV)

52-Te-129

MAT 5252

52-Te-129

(n,p)
Radionuclide Production Cross Section



— 51-Sb-129g
- - - 51-Sb-129m10

132

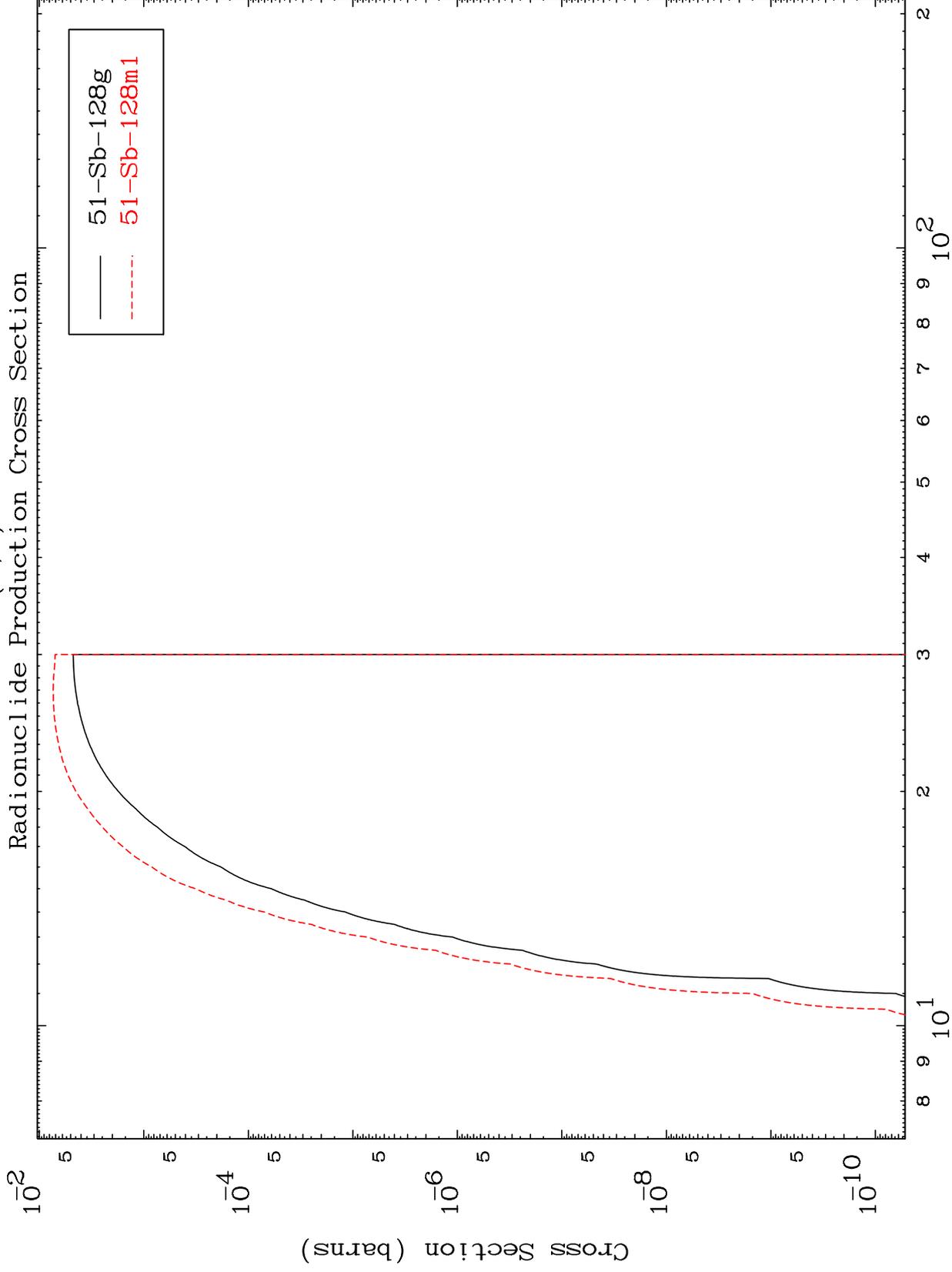
Incident Energy (MeV)

52-Te-129

MAT 5252

(n,d)

52-Te-129



133

Incident Energy (MeV)

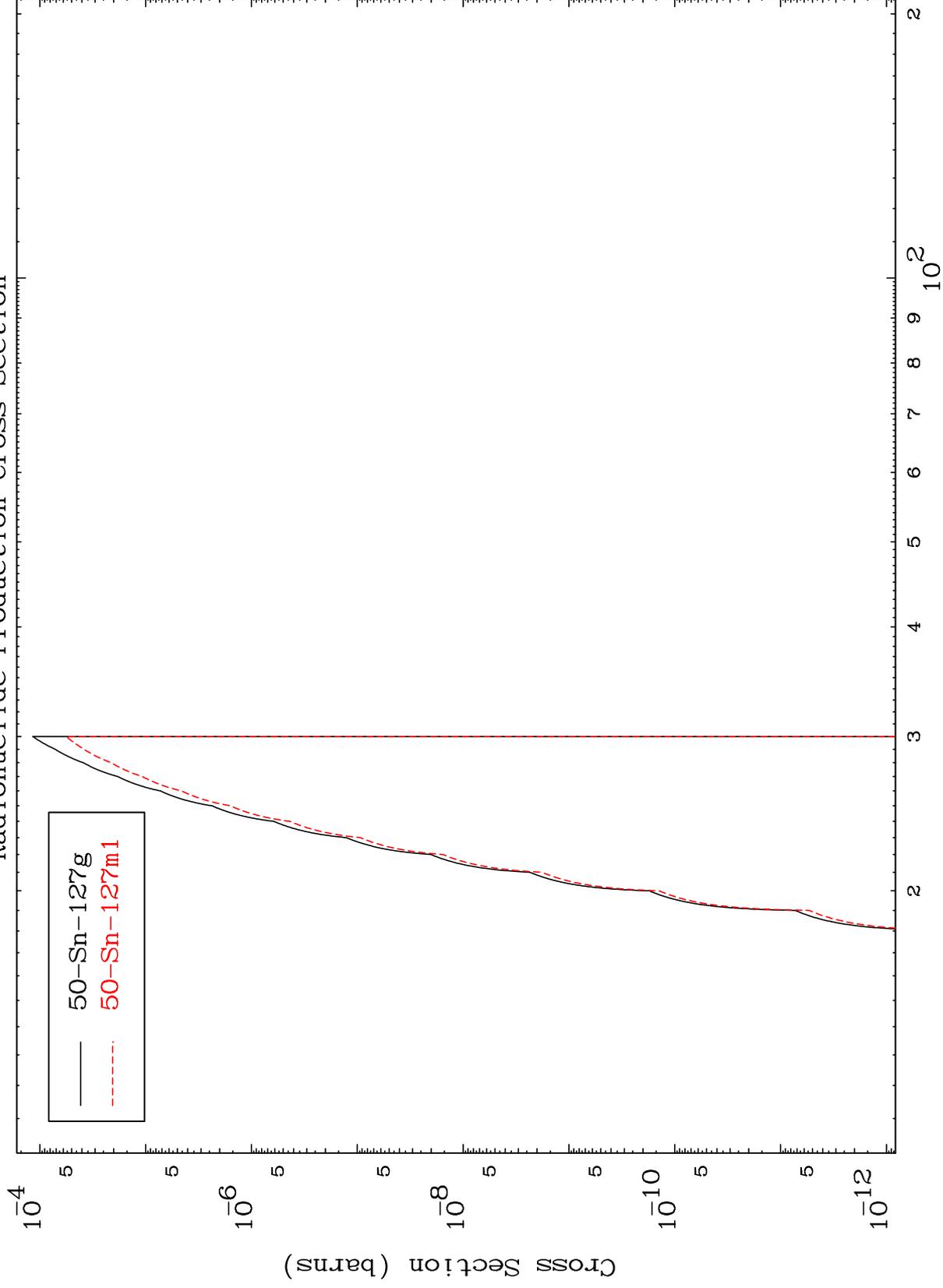
52-Te-129

MAT 5252

(n,He-3)

52-Te-129

Radionuclide Production Cross Section



134

Incident Energy (MeV)

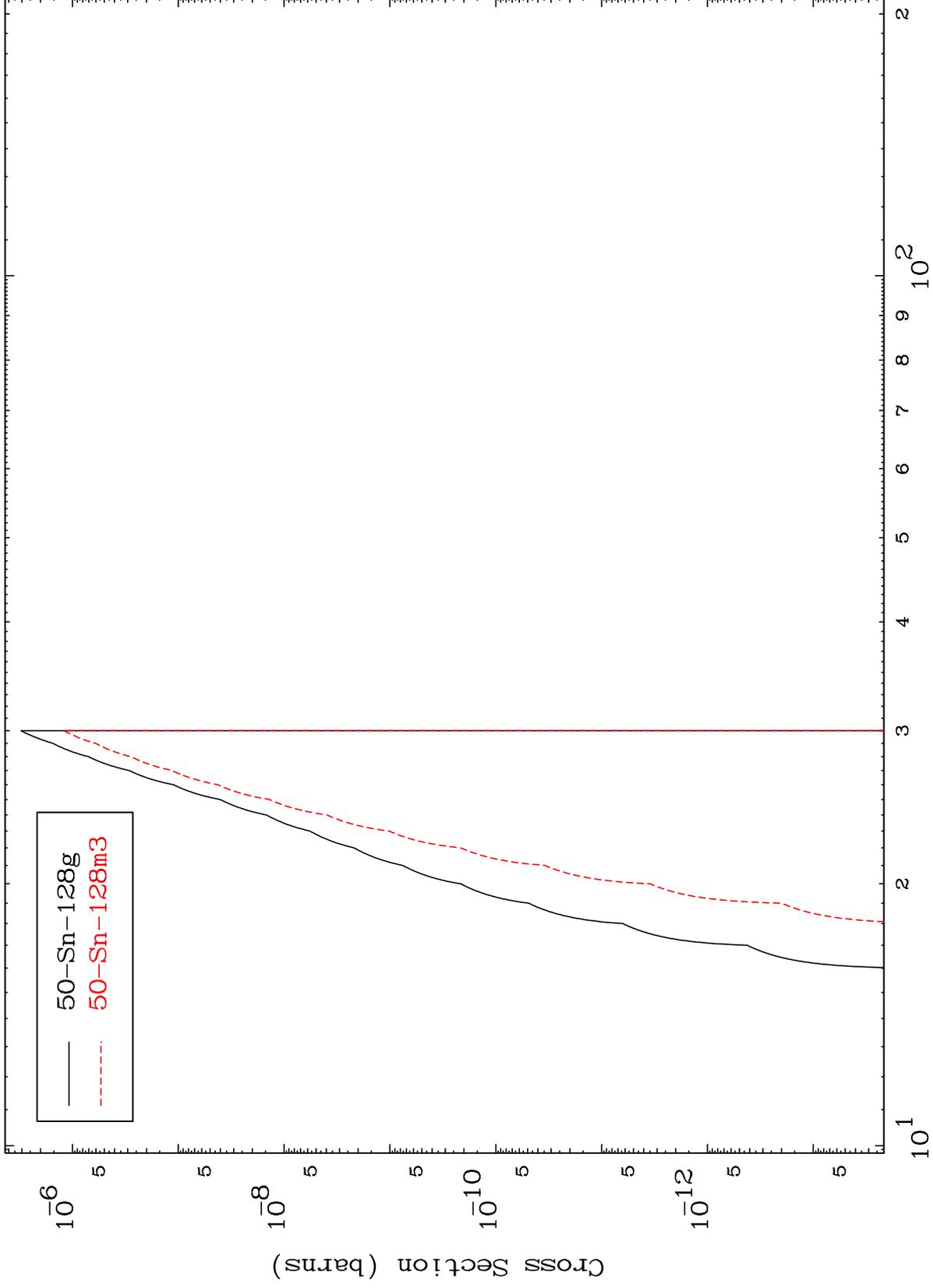
52-Te-129

MAT 5252

(n,2p)

52-Te-129

Radionuclide Production Cross Section



Incident Energy (MeV)

52-Te-129

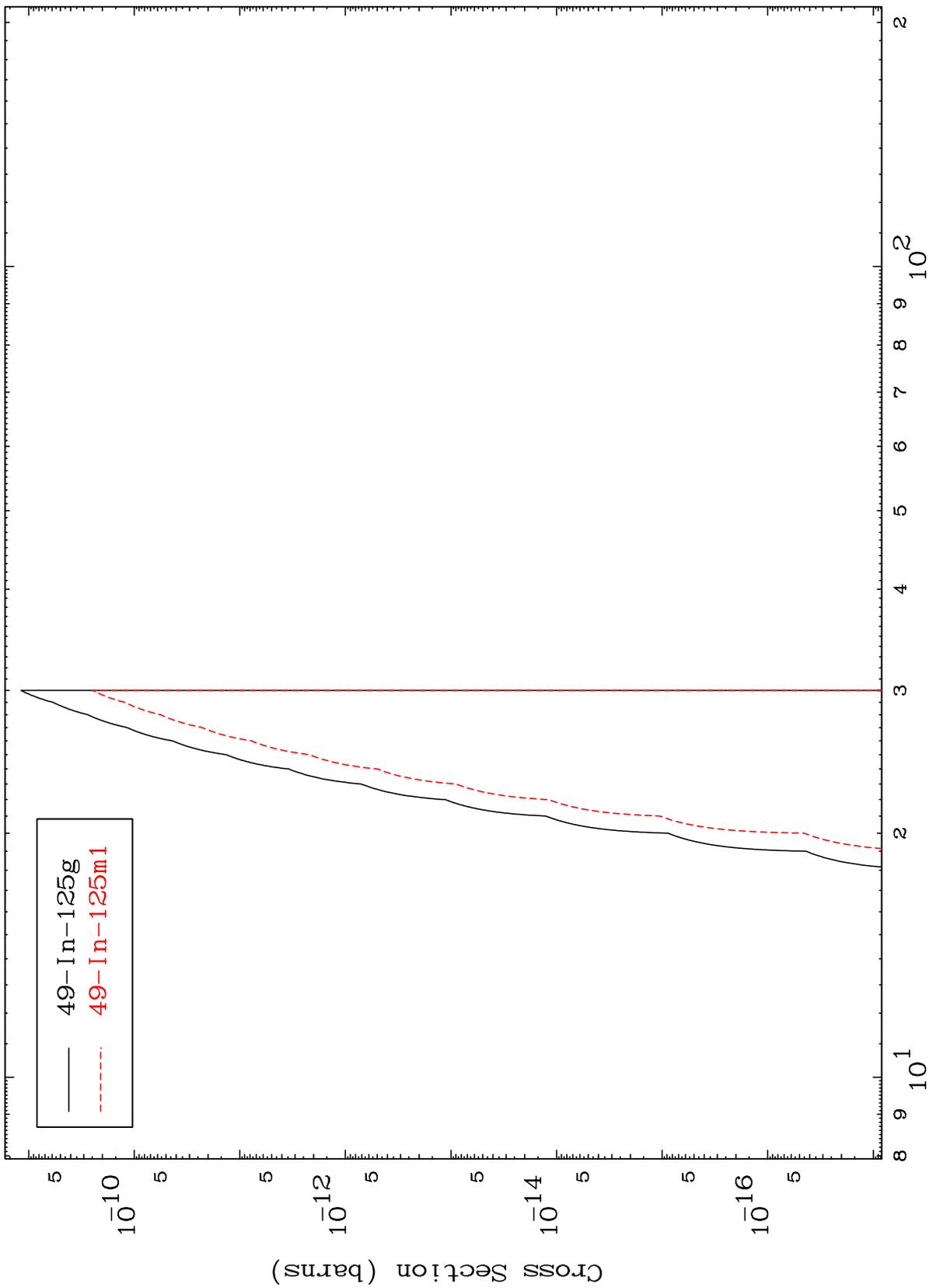
135

MAT 5252

(n,p) α

52-Te-129

Radionuclide Production Cross Section



— 49-In-125g
- - - 49-In-125m1

136

Incident Energy (MeV)

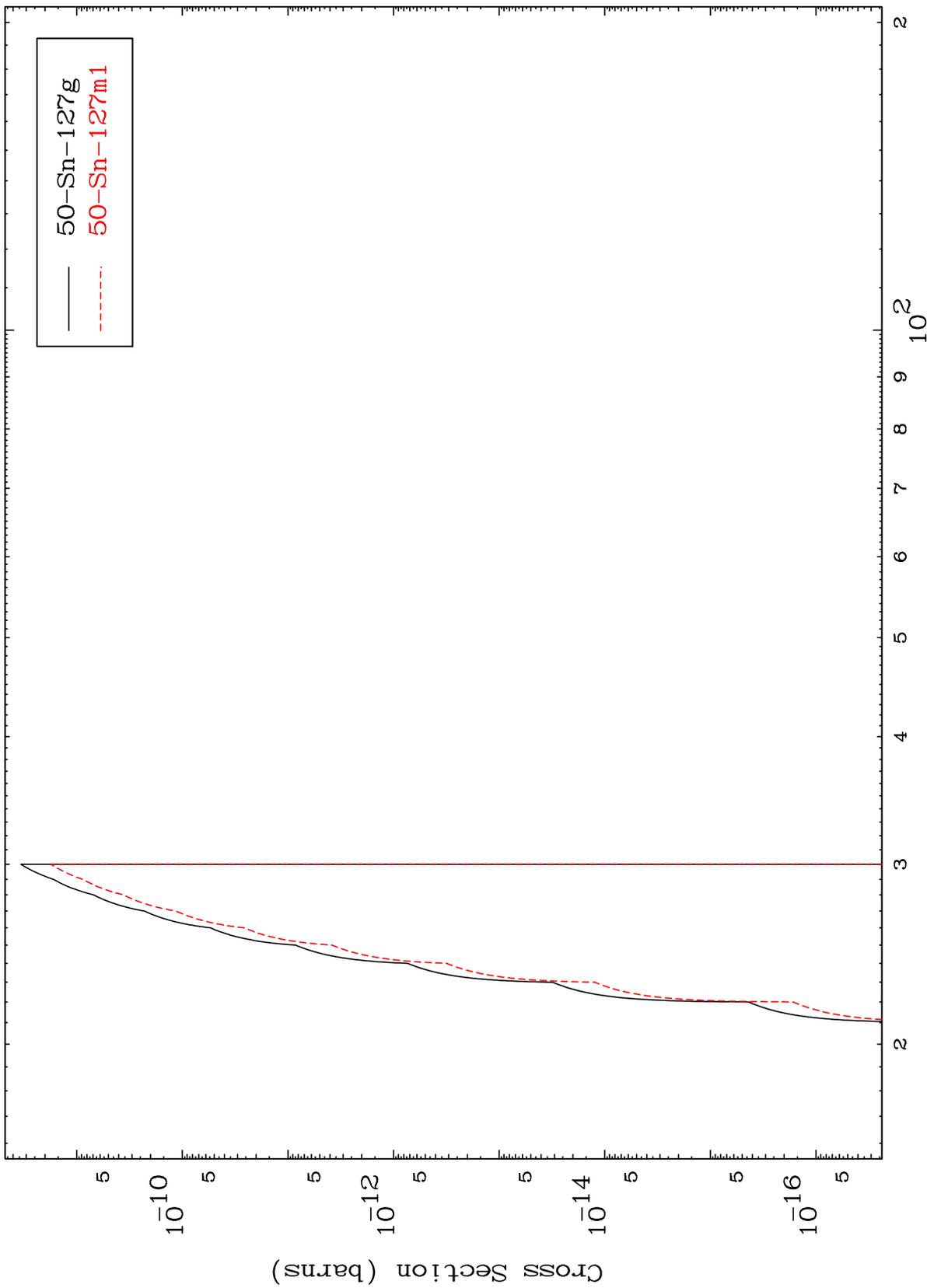
52-Te-129

MAT 5252

(n,p) d

52-Te-129

Radionuclide Production Cross Section



137

Incident Energy (MeV)

52-Te-129