

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

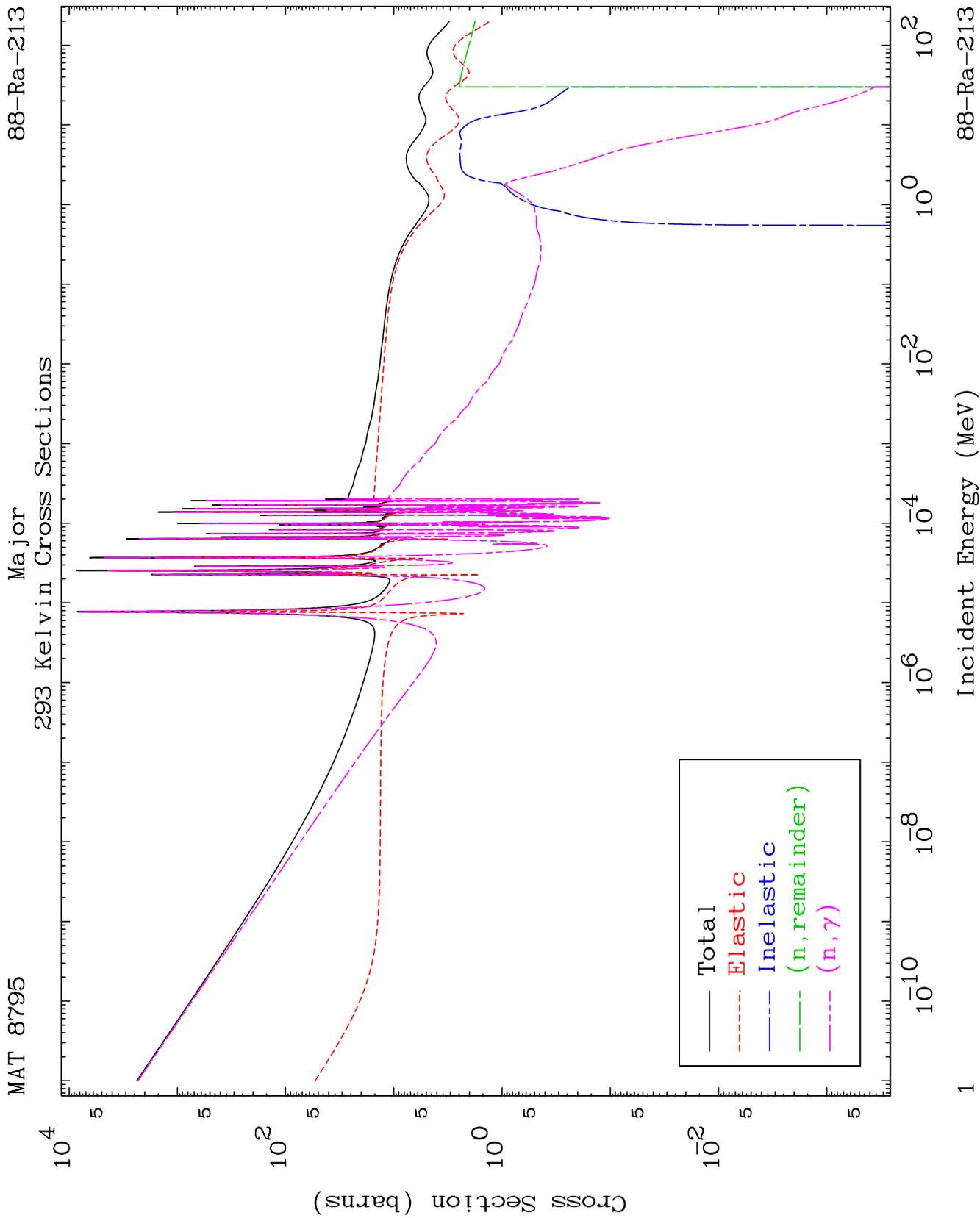
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Livermore, CA 94550
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

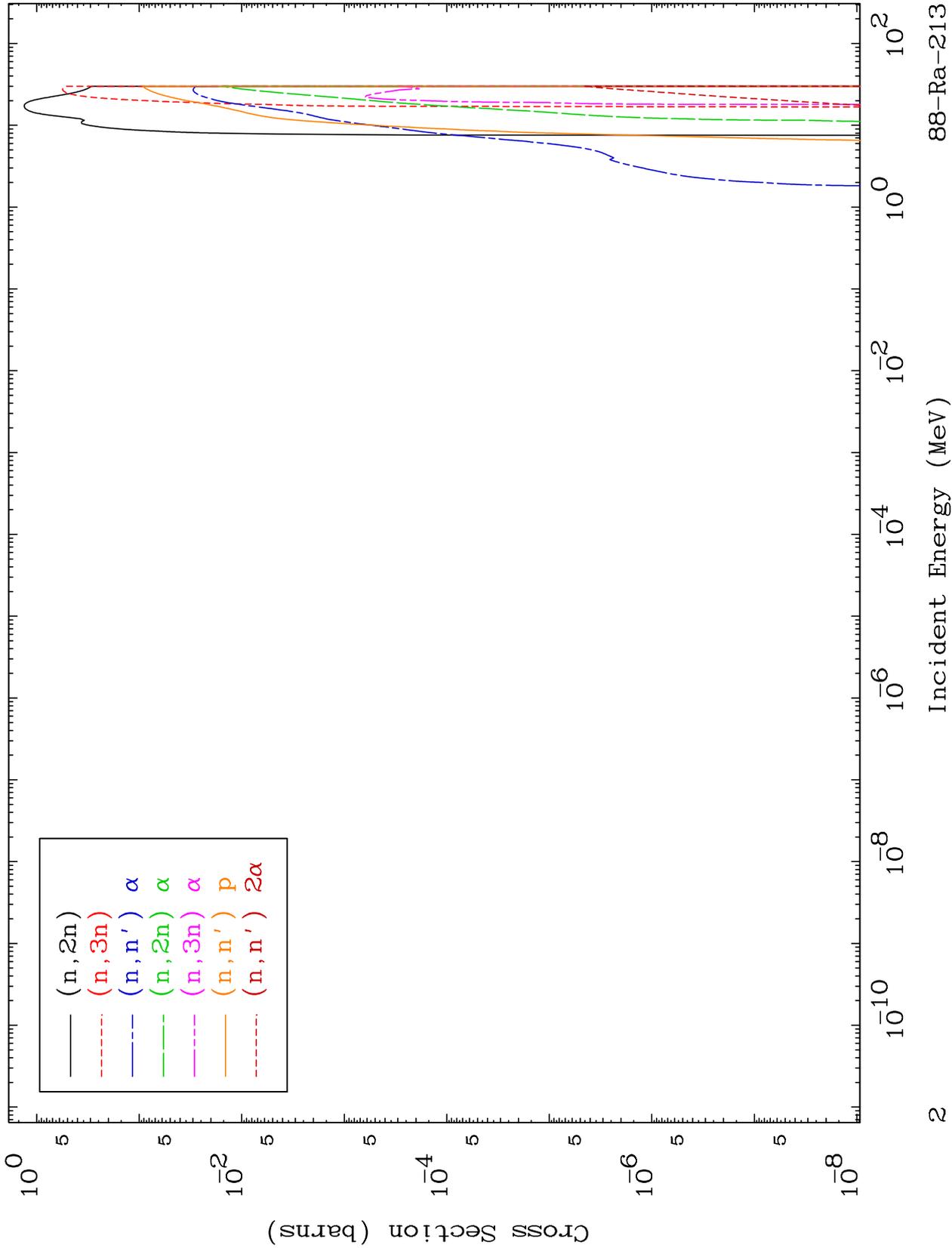
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MAT 8795

Neutron Production
293 Kelvin Cross Sections

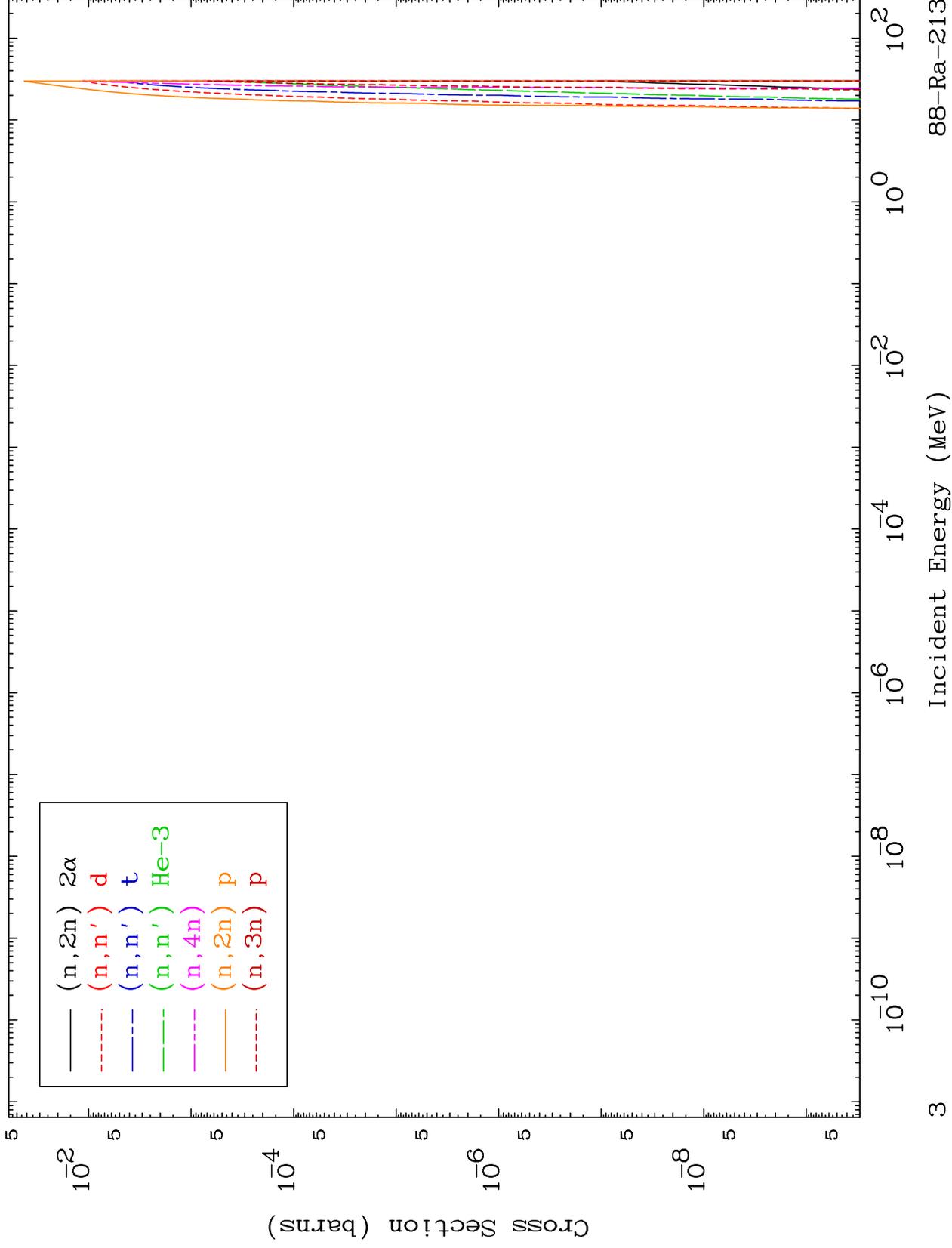
88-Ra-213



MAT 8795

Neutron Production
293 Kelvin Cross Sections

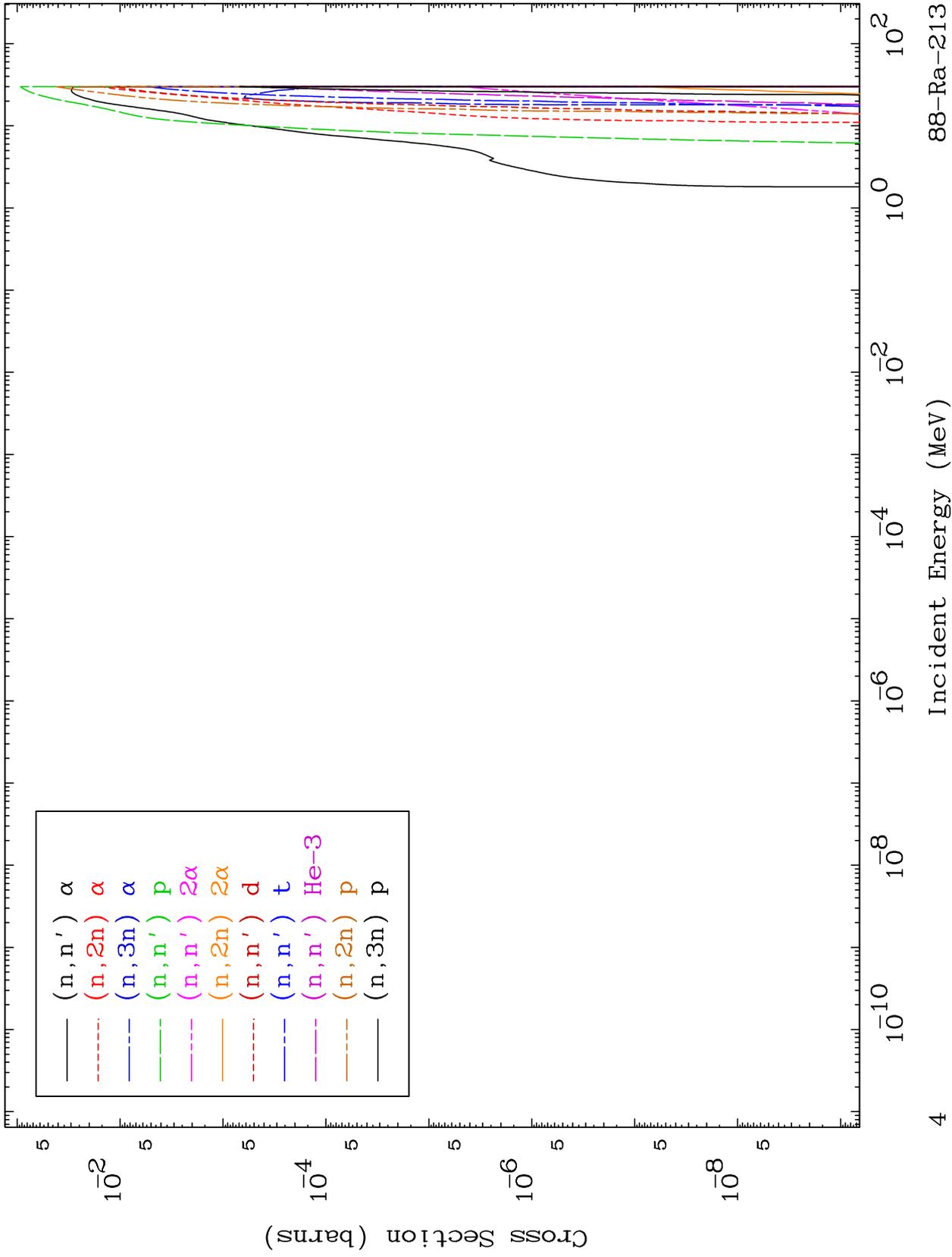
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MAT 8795

Charged Particle
293 Kelvin Cross Sections

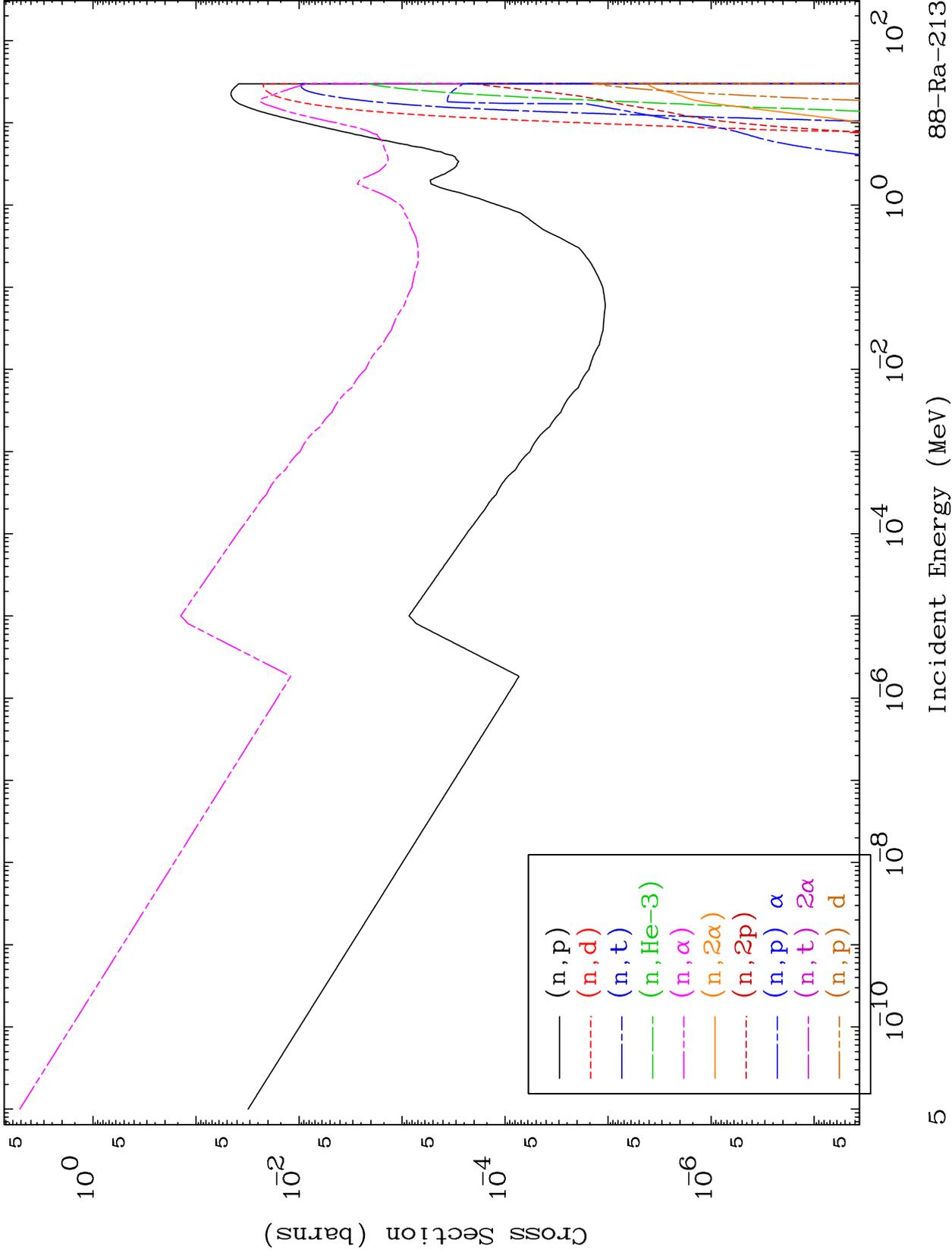
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MAT 8795

Charged Particle
293 Kelvin Cross Sections

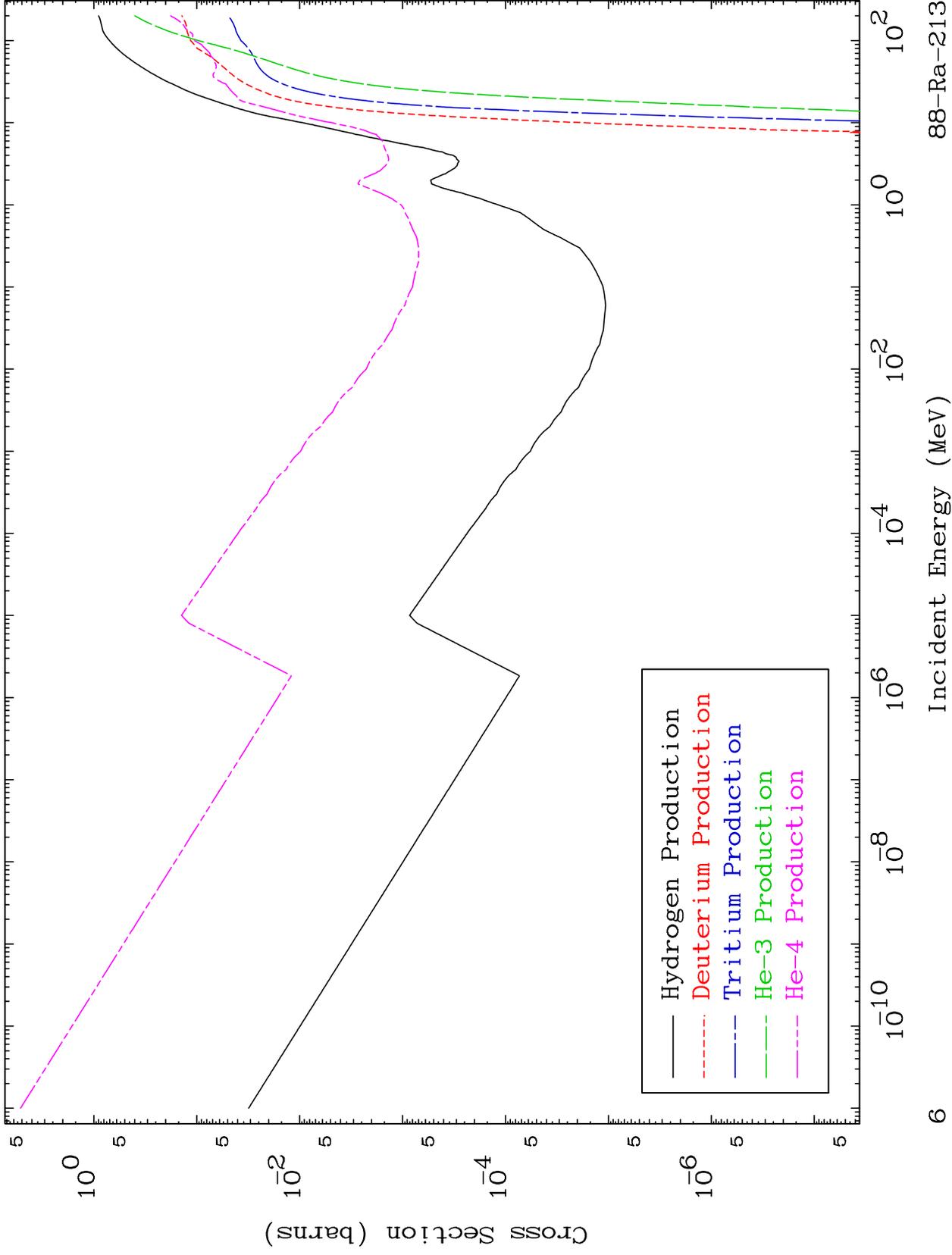
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MAT 8795

Particle Production
293 Kelvin Cross Sections

88-Ra-213

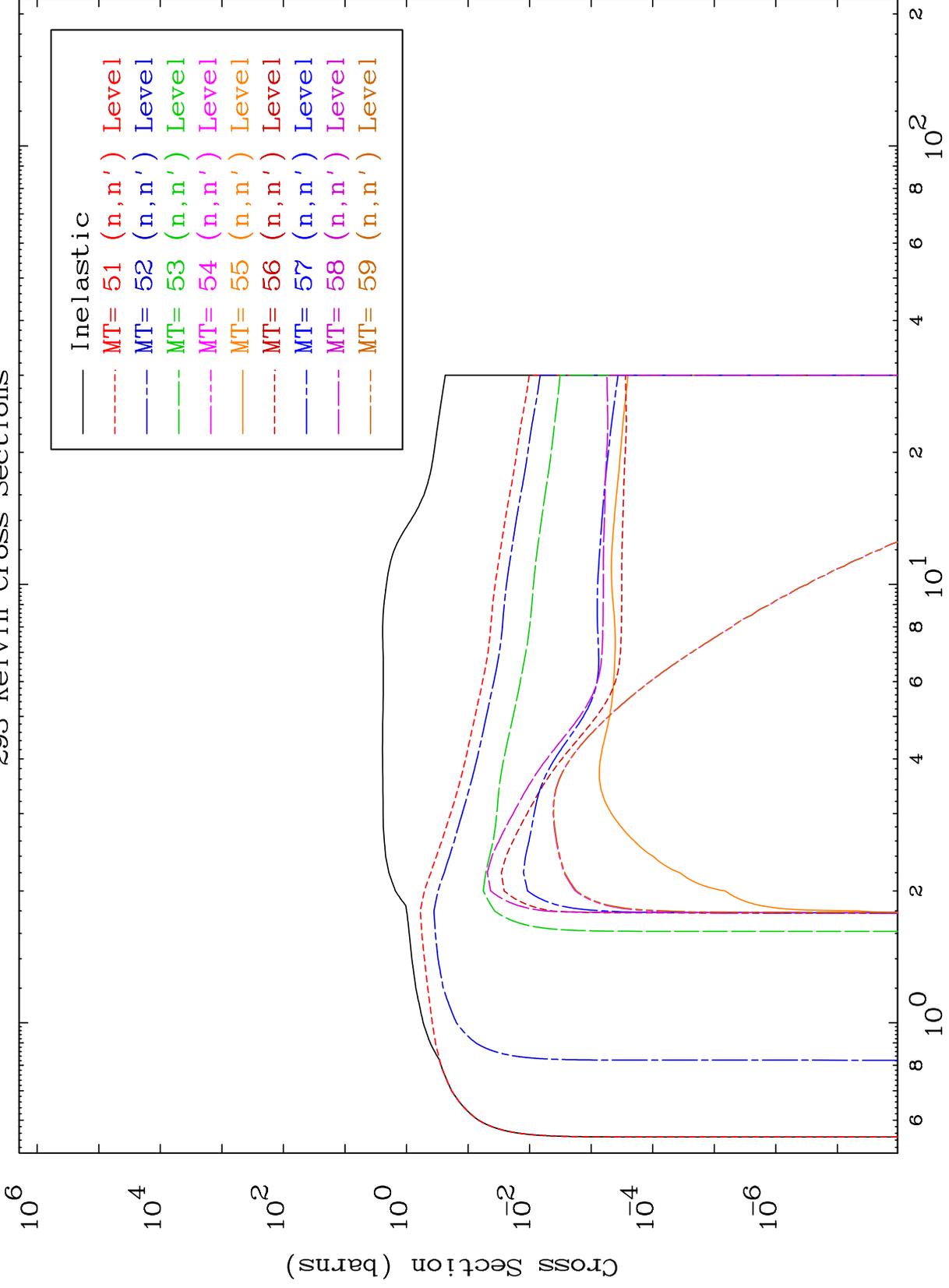


MAT 8795

(n,n') Level

88-Ra-213

293 Kelvin Cross Sections



7

Incident Energy (MeV)

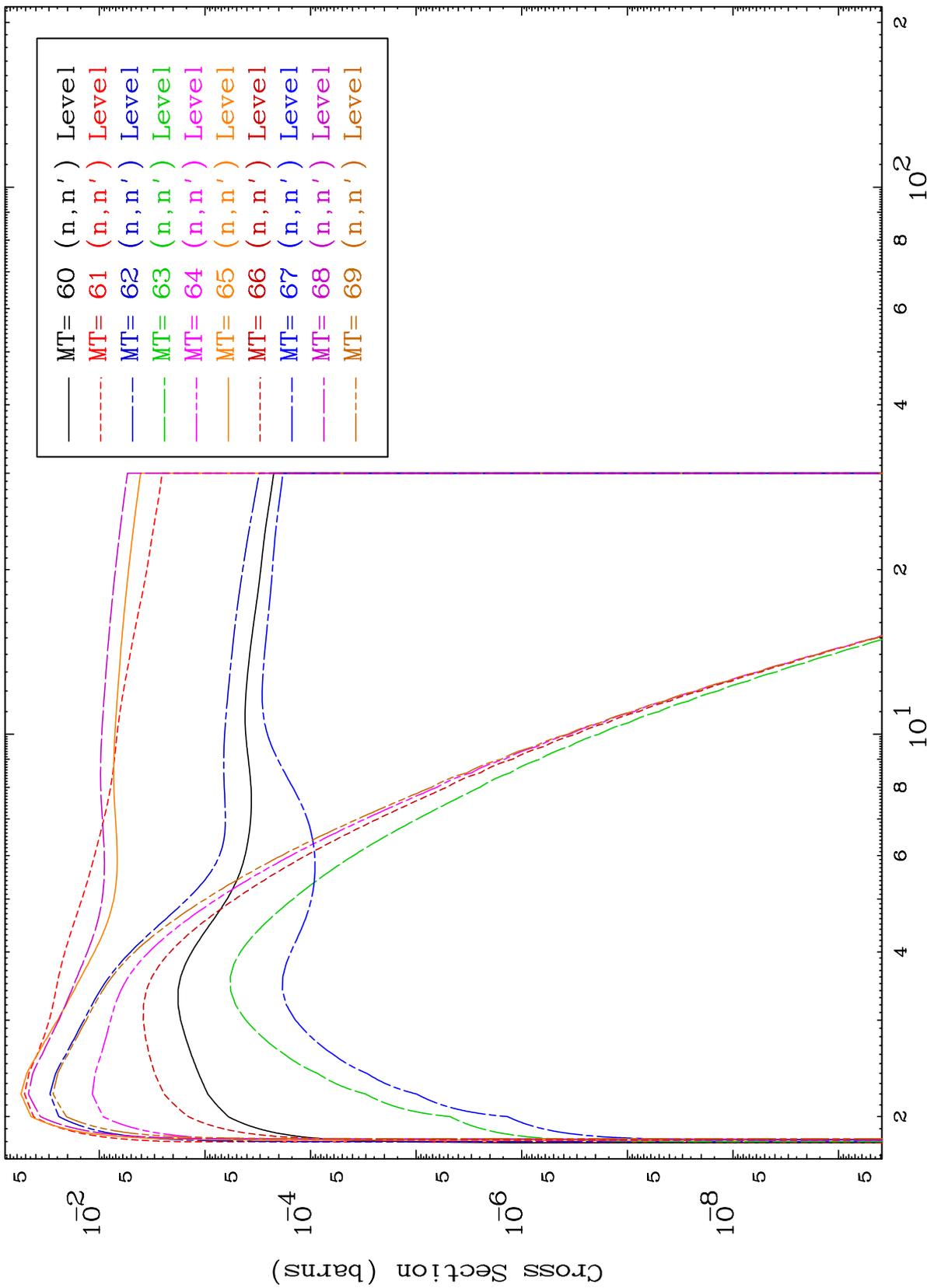
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MAT 8795

(n,n') Level

88-Ra-213

293 Kelvin Cross Sections



8

Incident Energy (MeV)

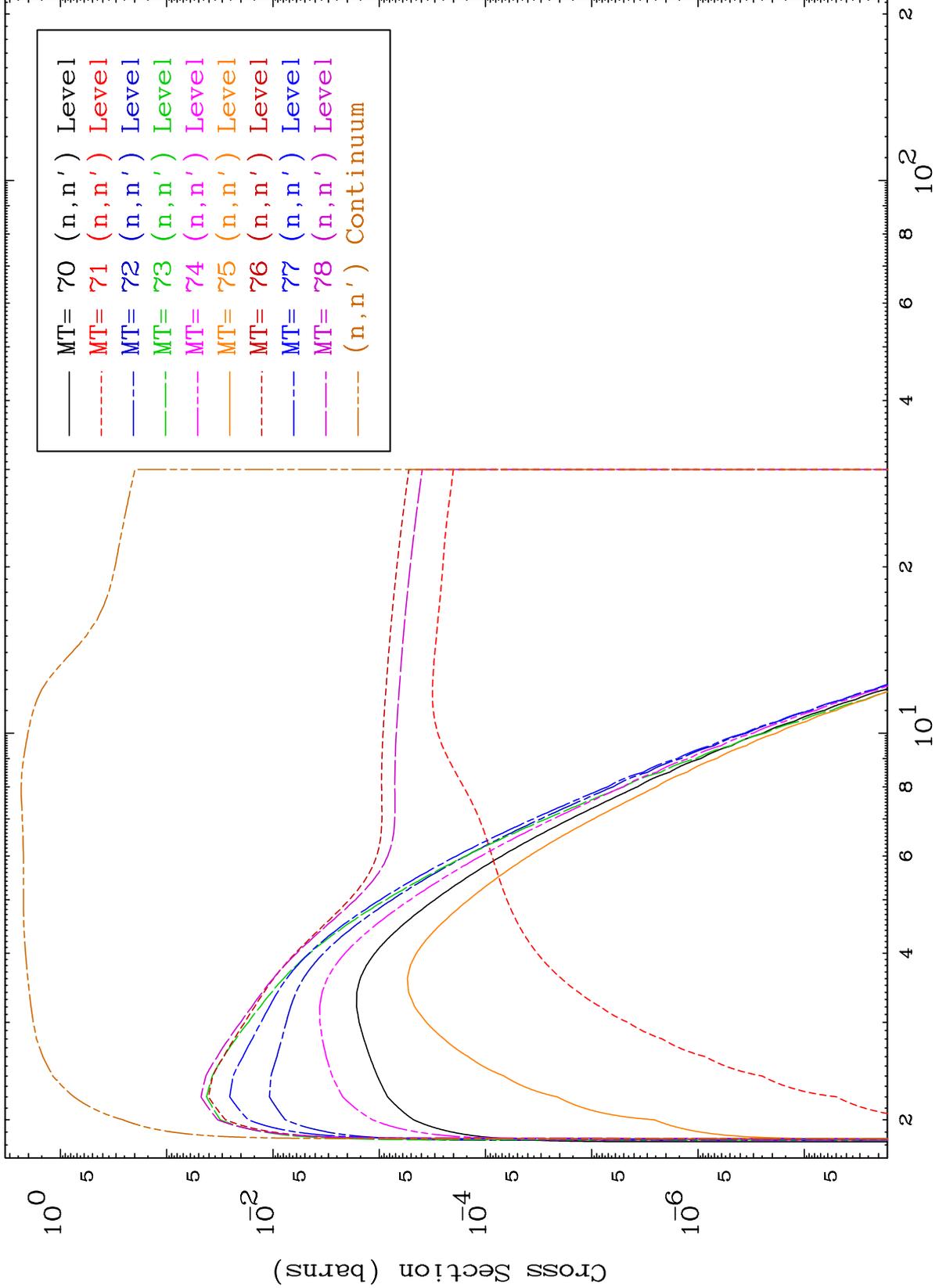
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MAT 8795

(n,n') Level

88-Ra-213

293 Kelvin Cross Sections



9

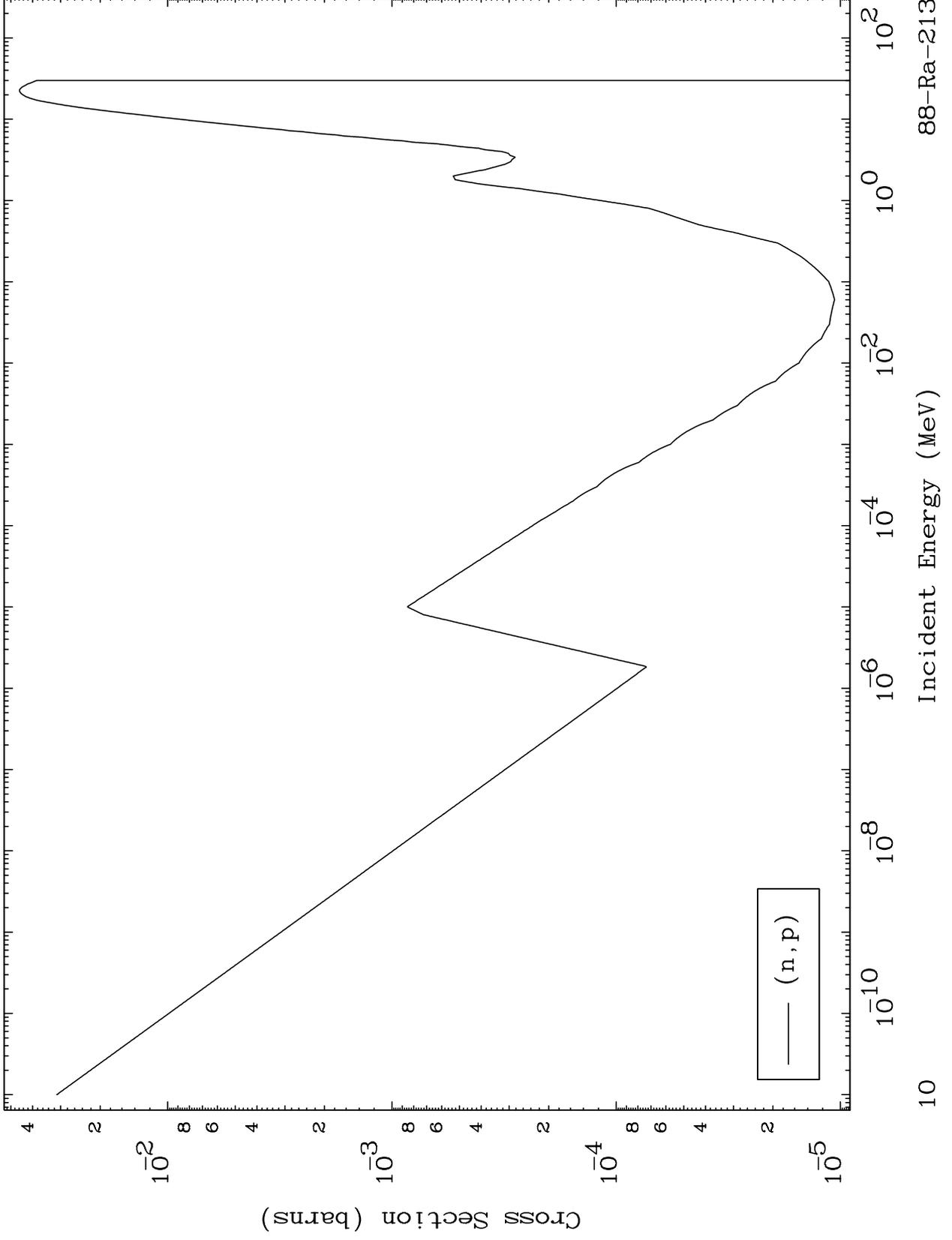
Incident Energy (MeV)

88-Ra-213

MAT 8795

(n,p) Levels
293 Kelvin Cross Sections

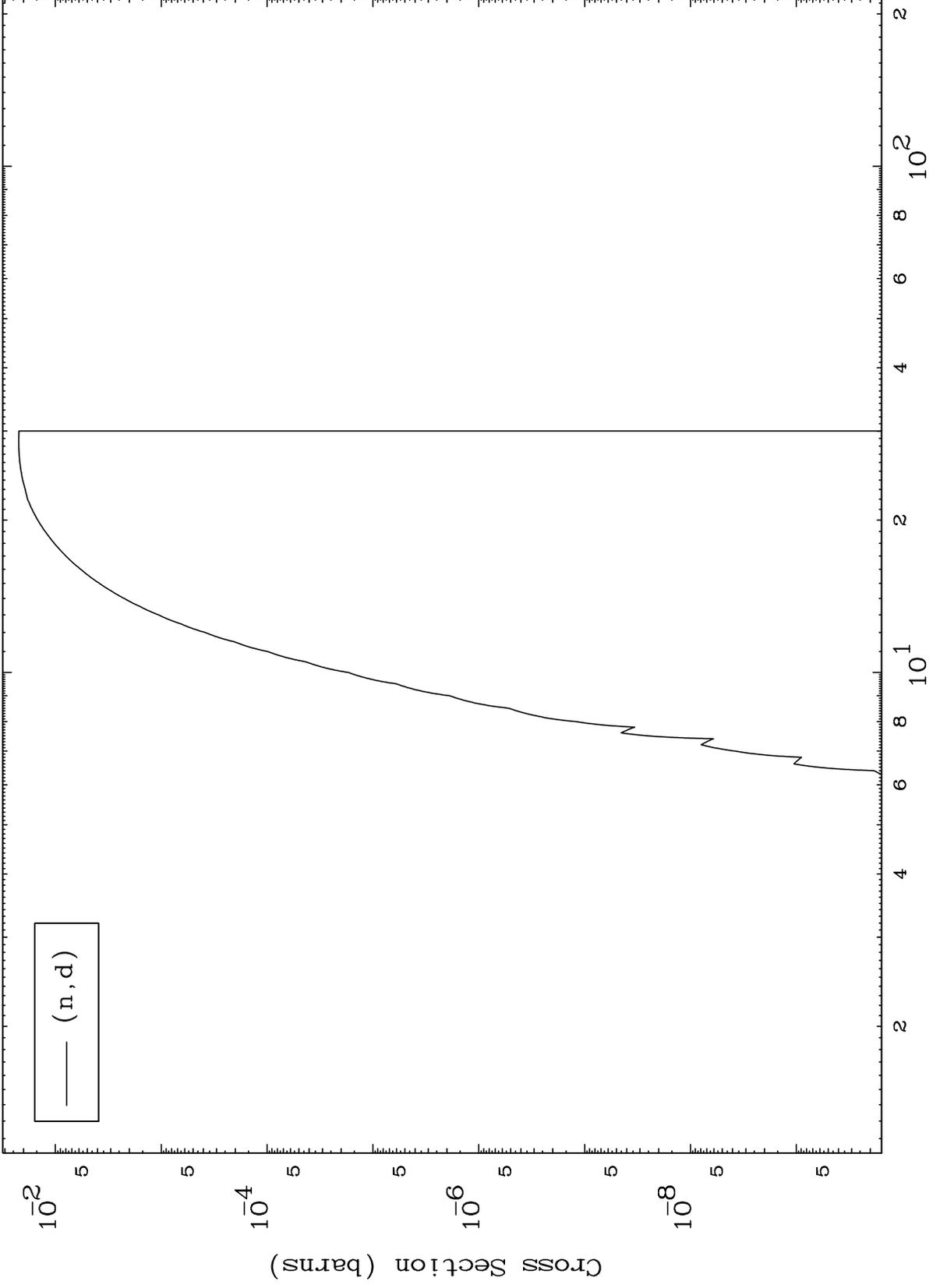
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MAT 8795

(n,d) Levels
293 Kelvin Cross Sections

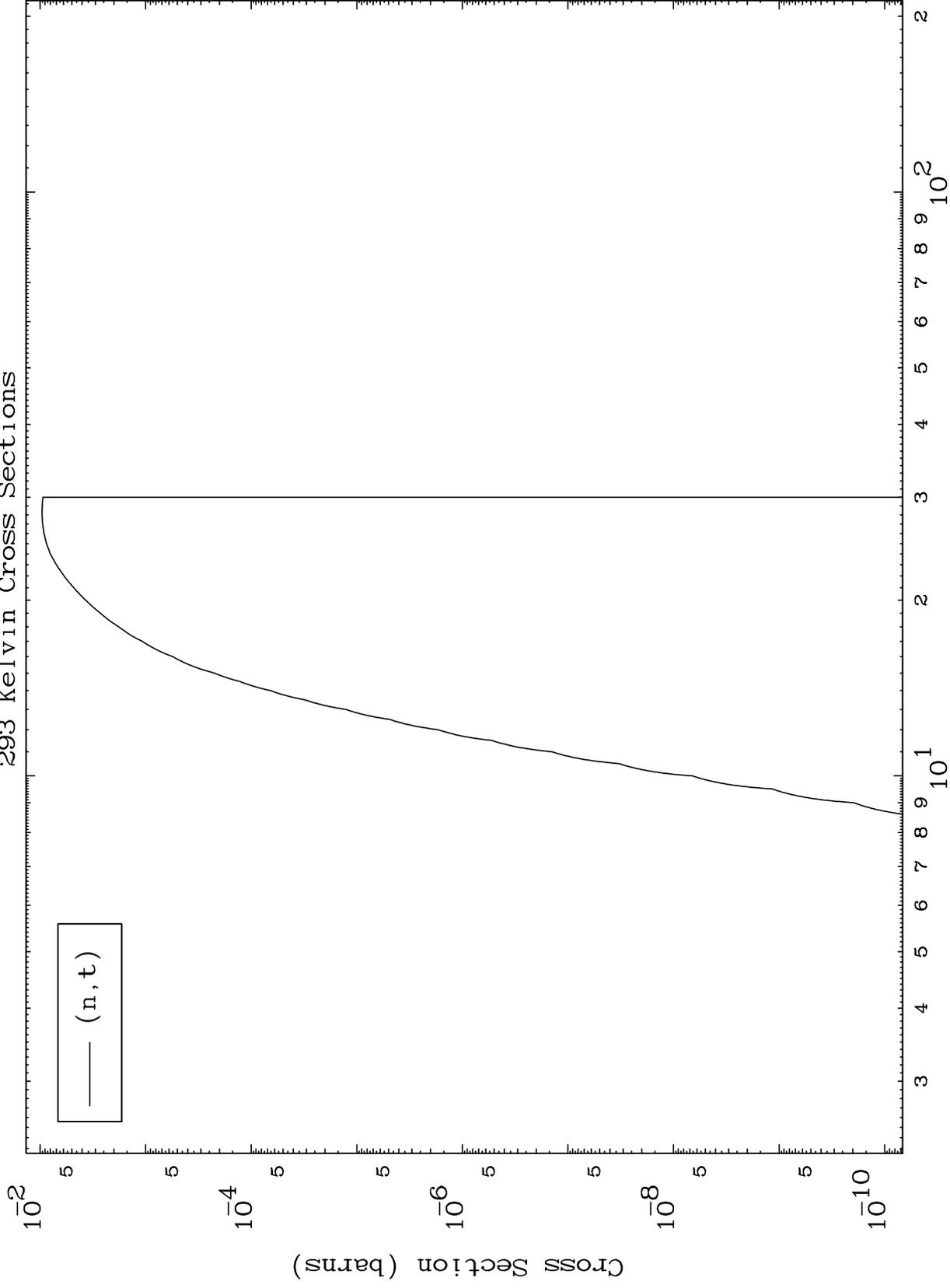
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MAT 8795

(n,t) Levels
293 Kelvin Cross Sections

88-Ra-213



12

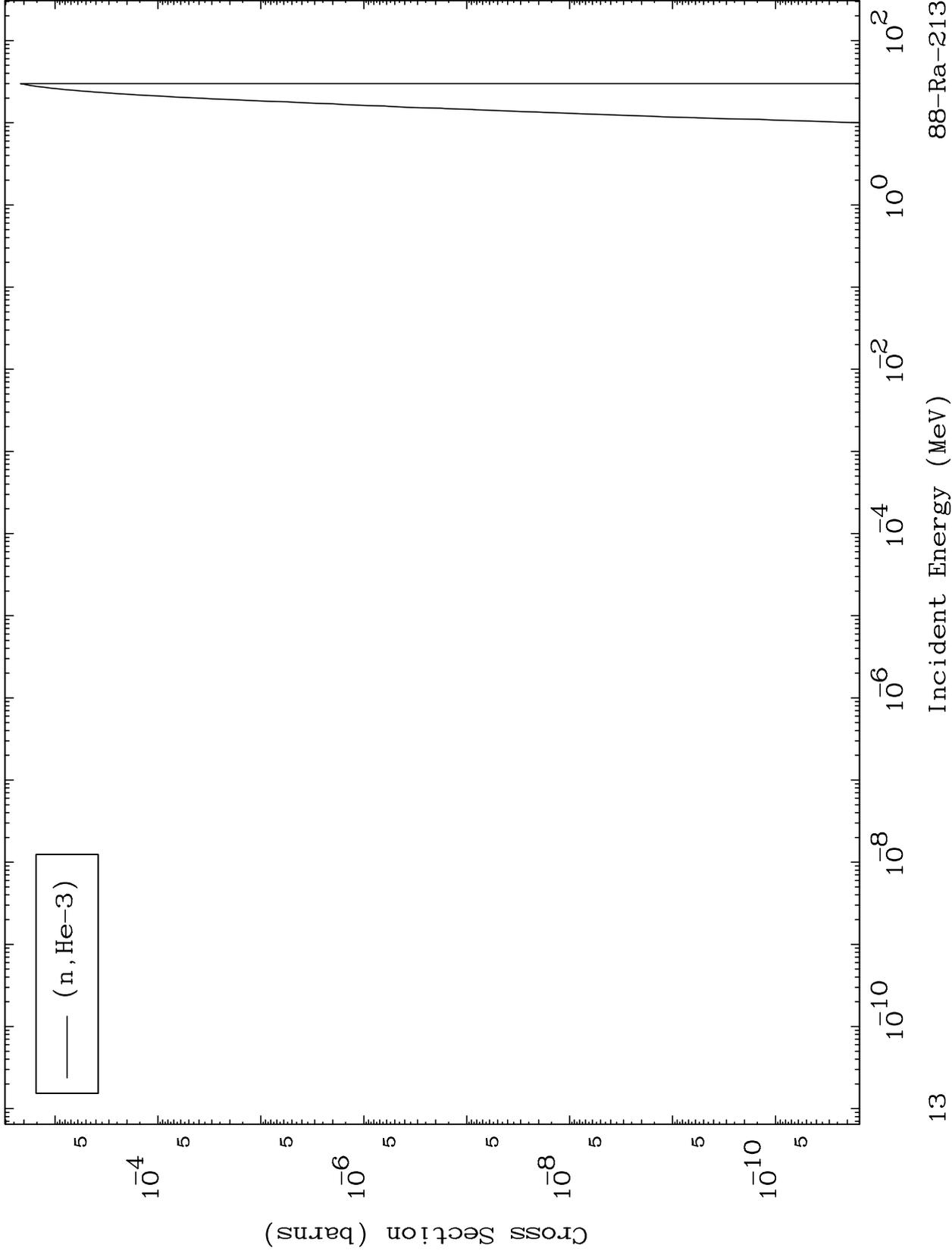
Incident Energy (MeV)

88-Ra-213

MAT 8795

(n,He3) Levels
293 Kelvin Cross Sections

88-Ra-213



13

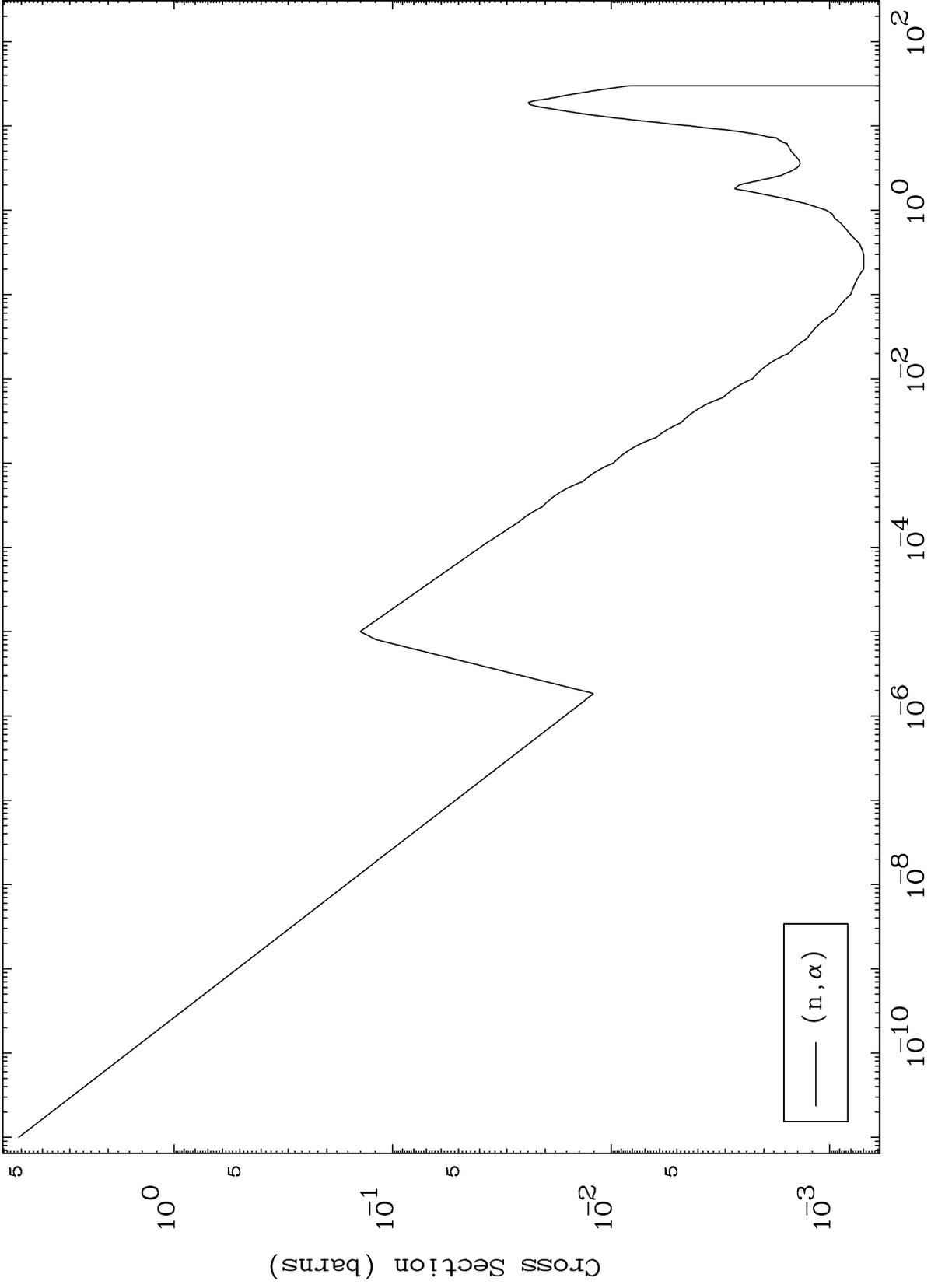
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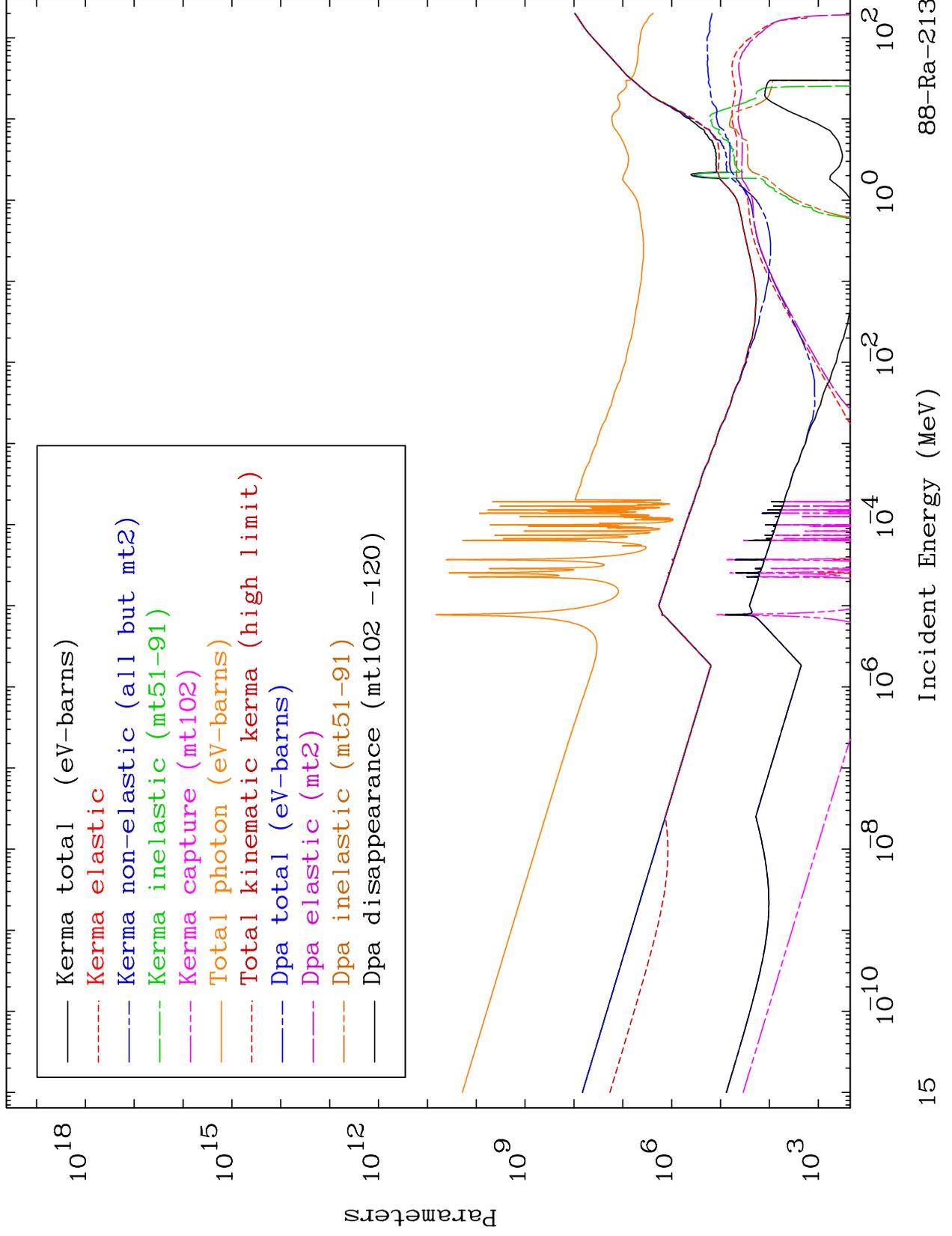
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MAT 8795

(n,α) Levels
293 Kelvin Cross Sections

88-Ra-213

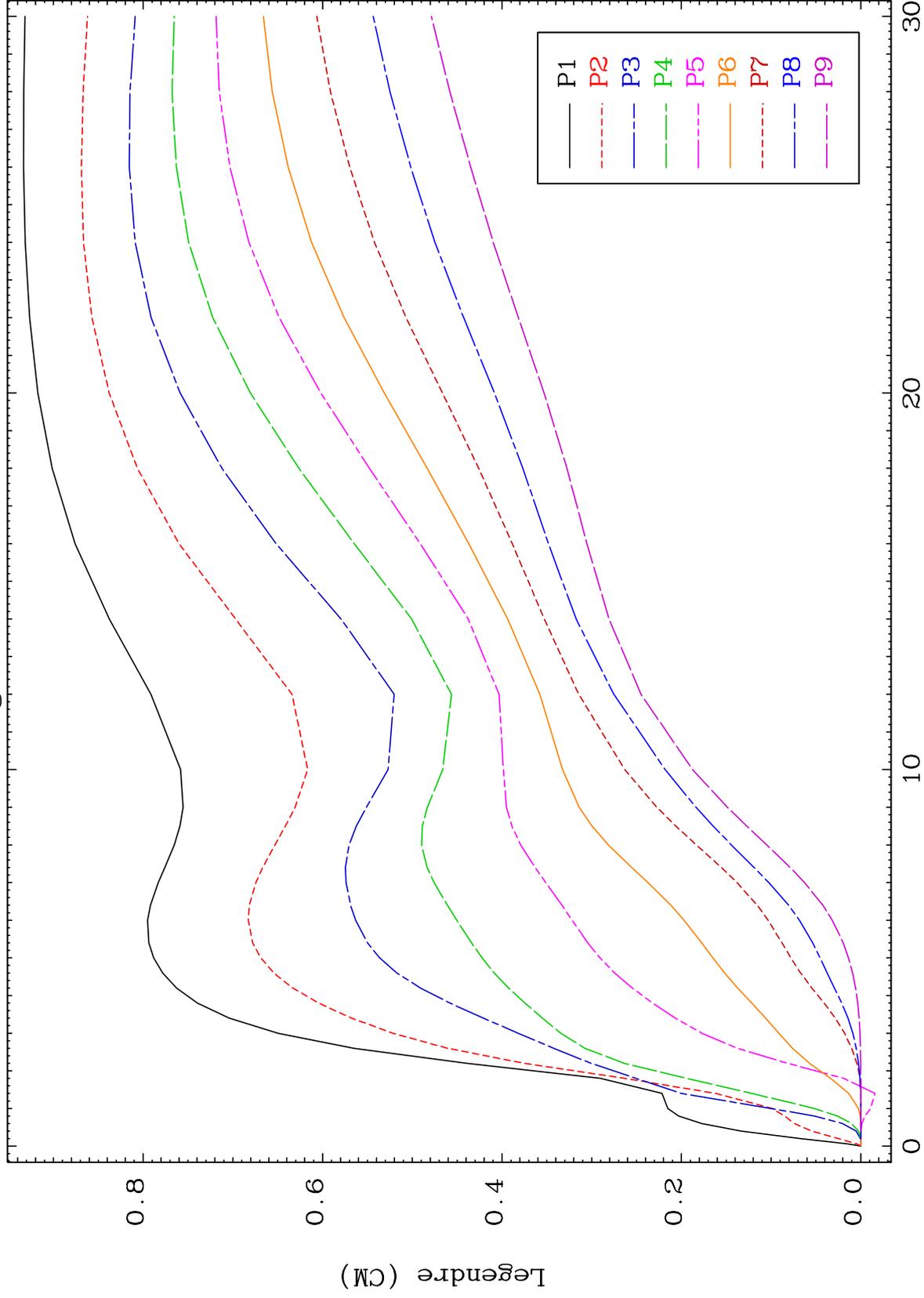




MAT 8795

Elastic Legendre Coefficients

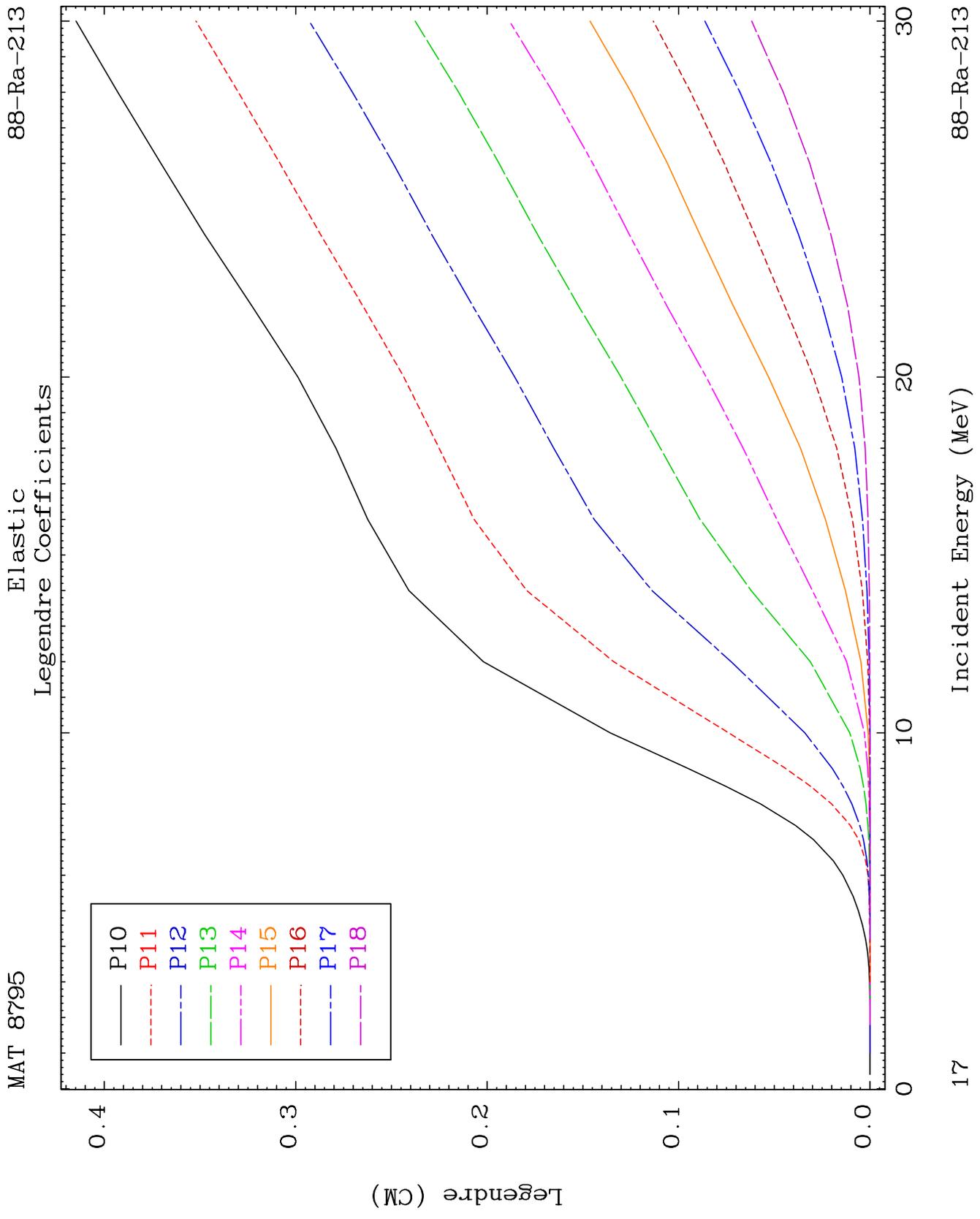
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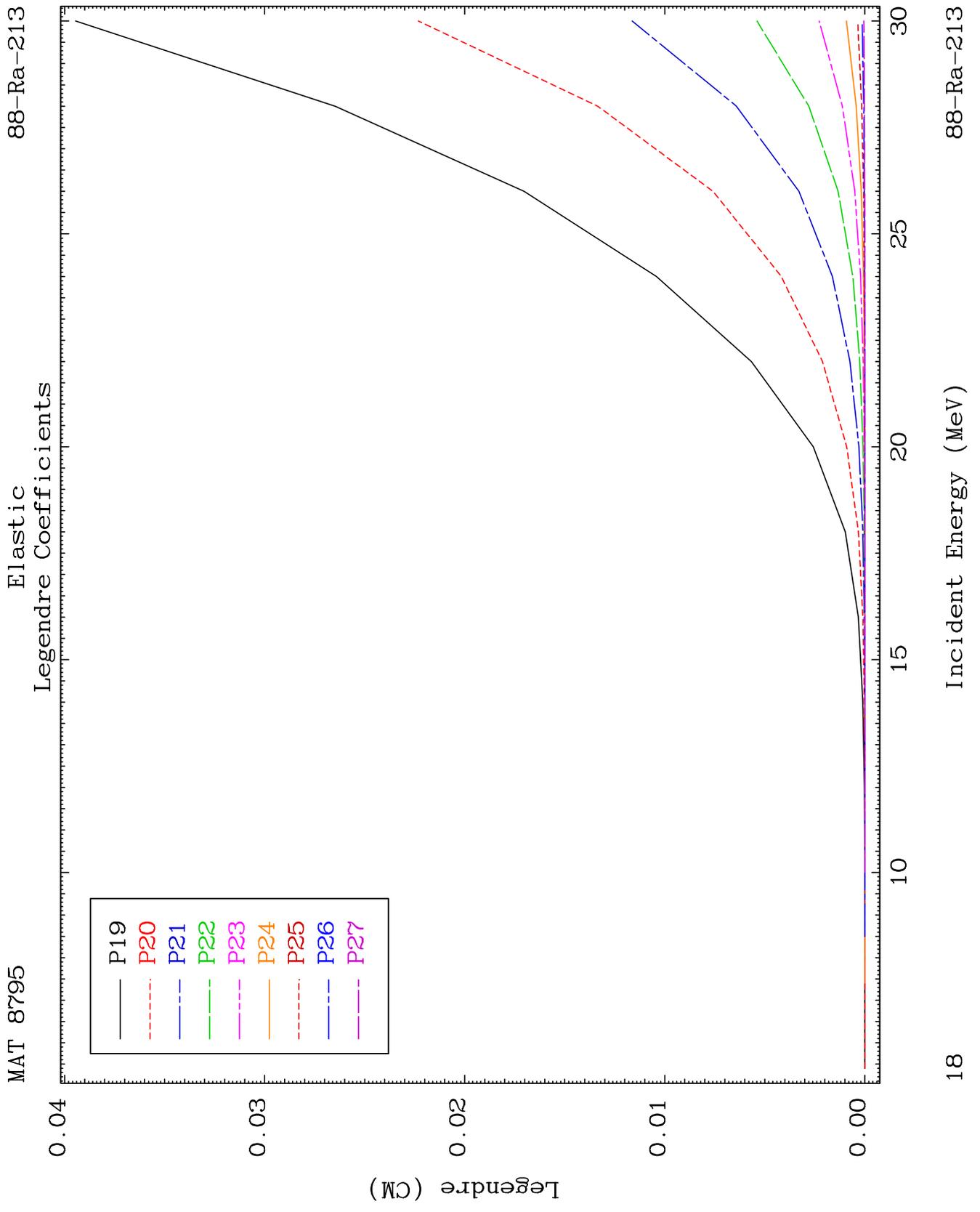


16

Incident Energy (MeV)

88-Ra-213

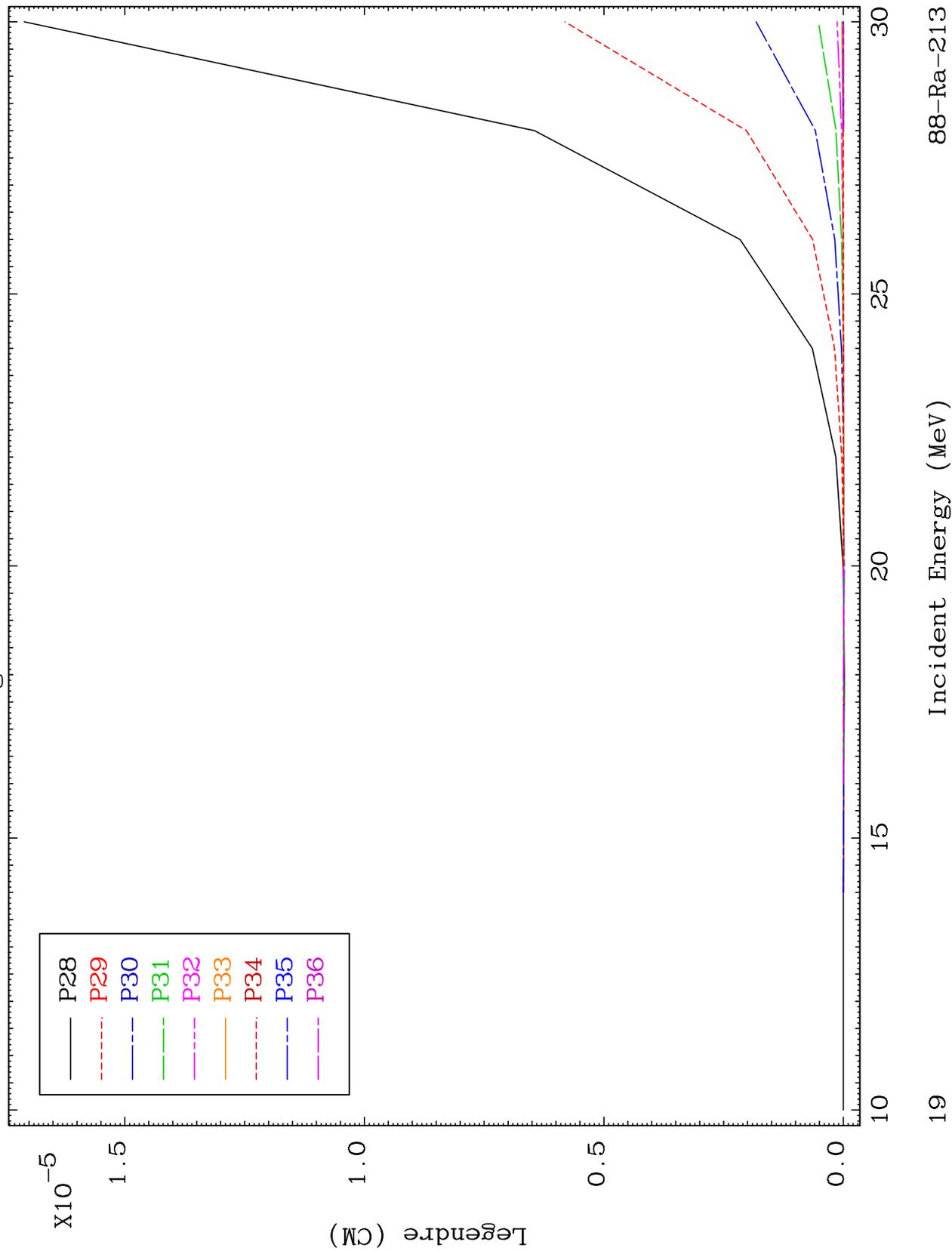




MAT 8795

Elastic Legendre Coefficients

88-Ra-213



19

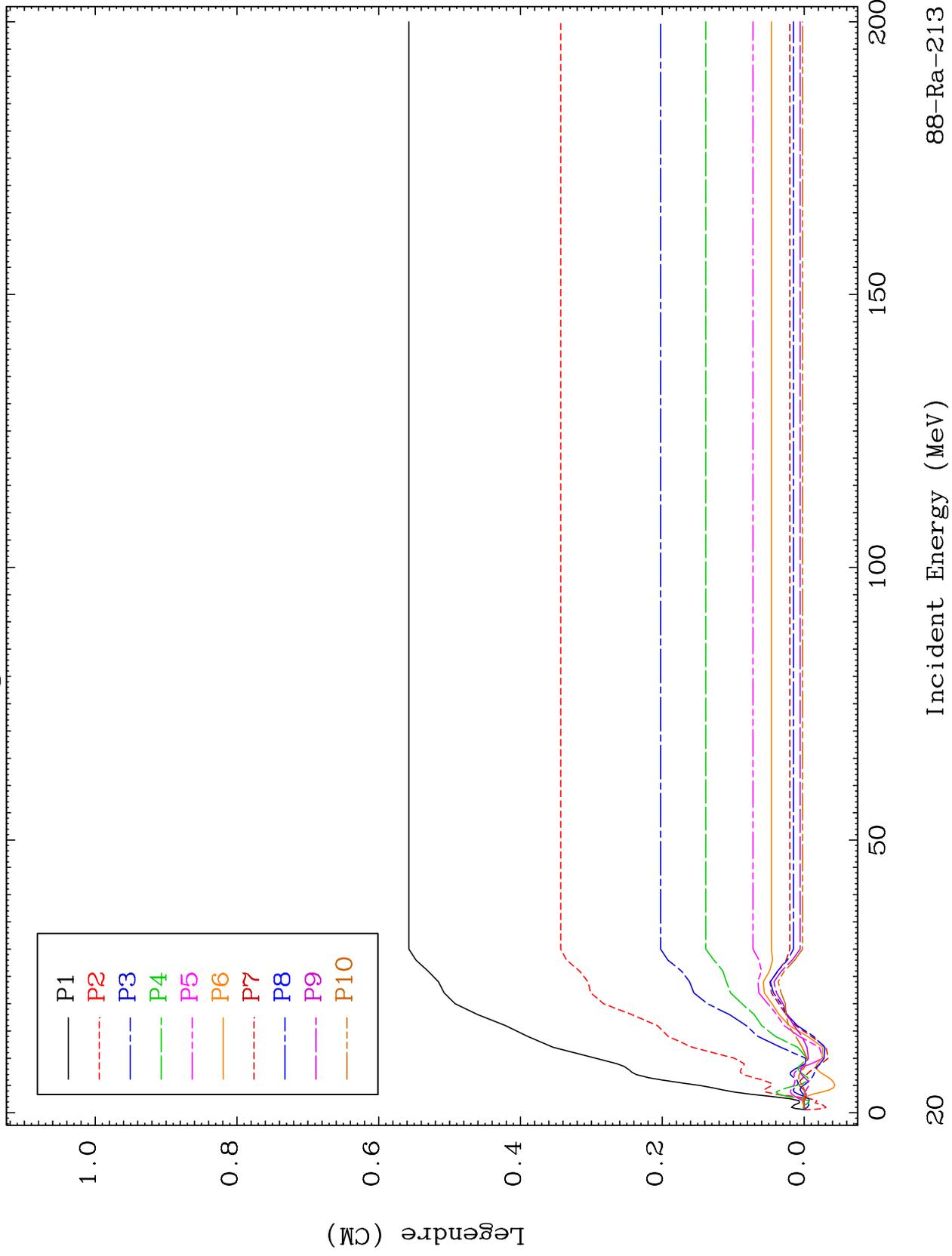
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

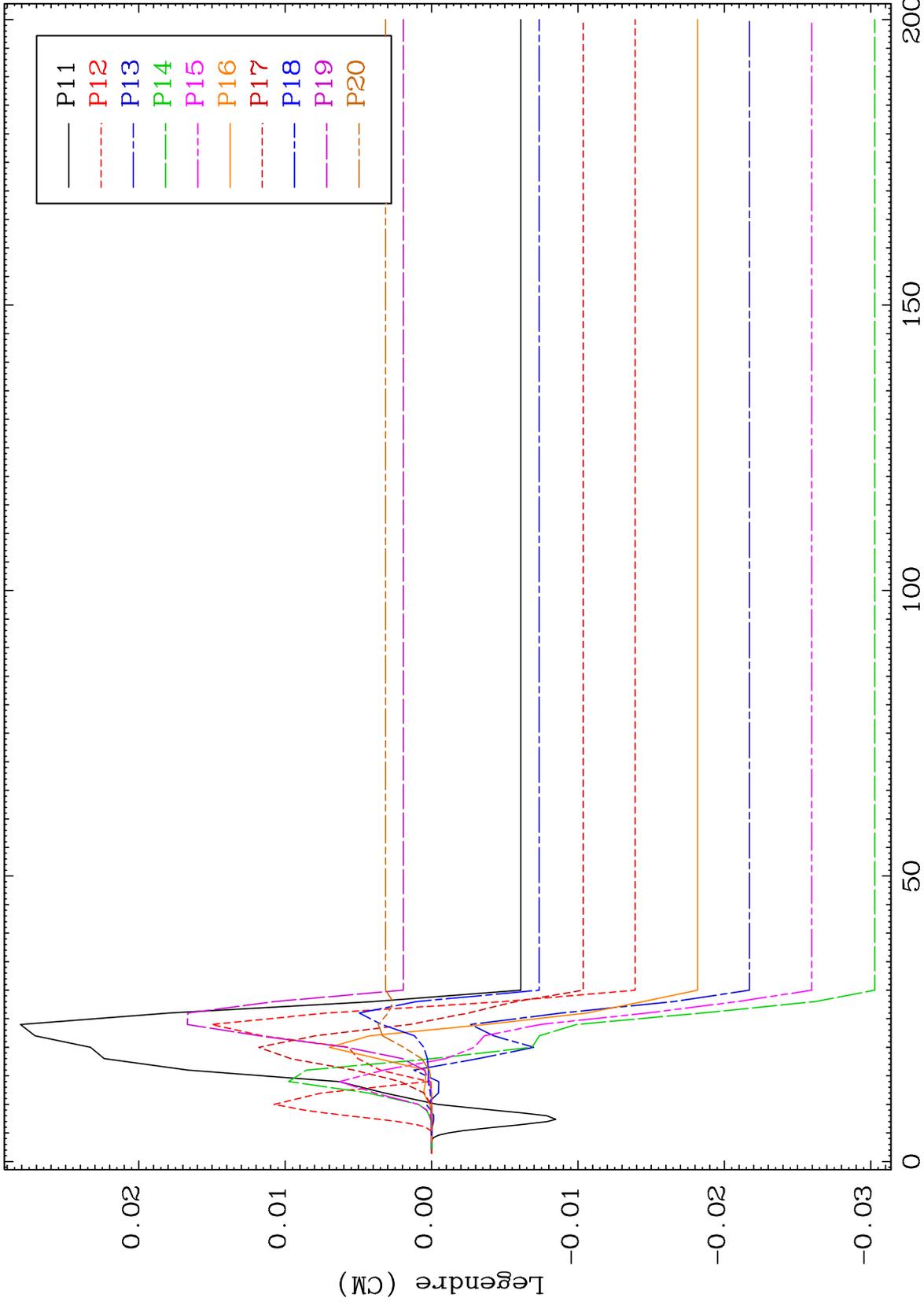
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MAT 8795

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

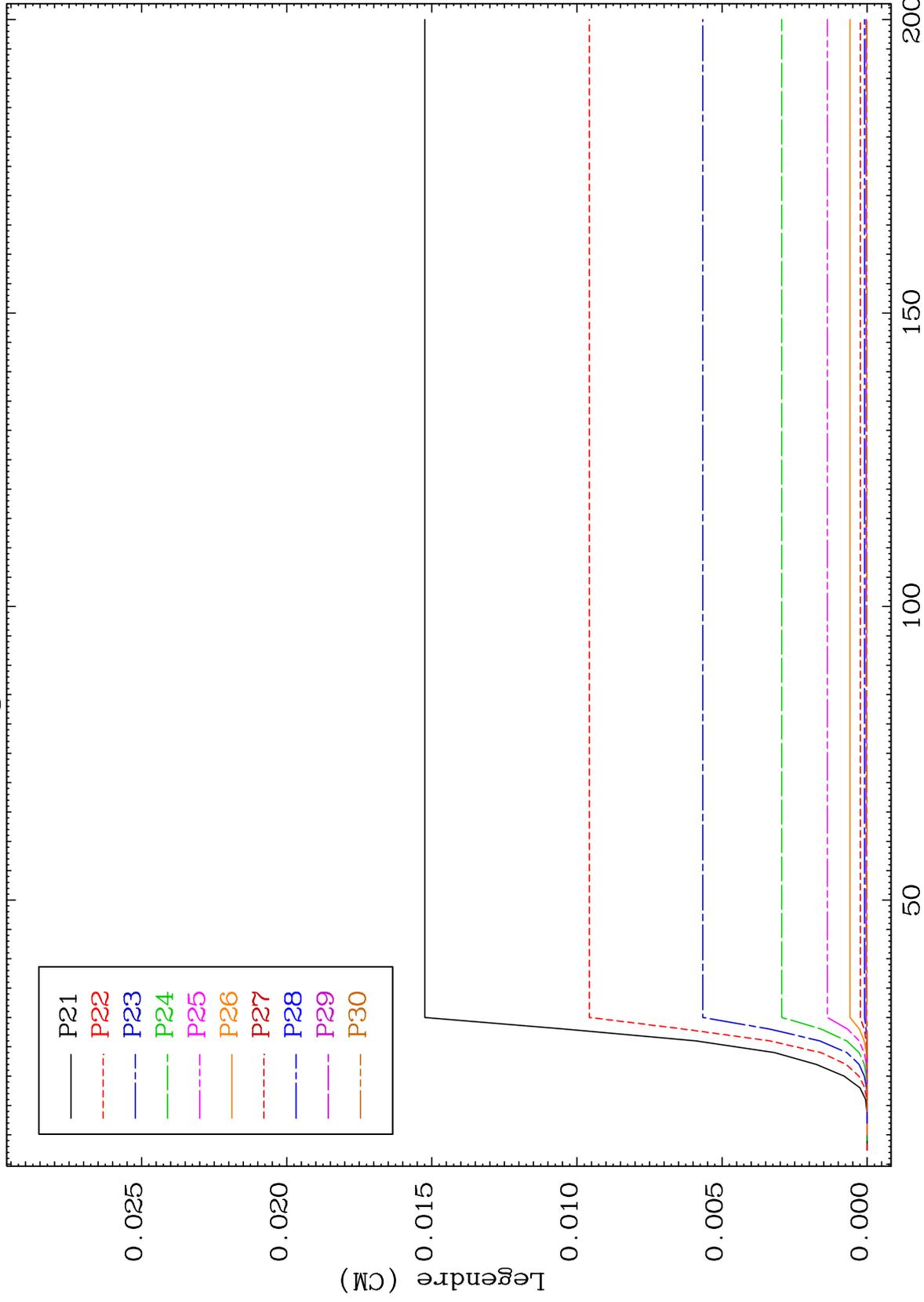
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21

Incident Energy (MeV)

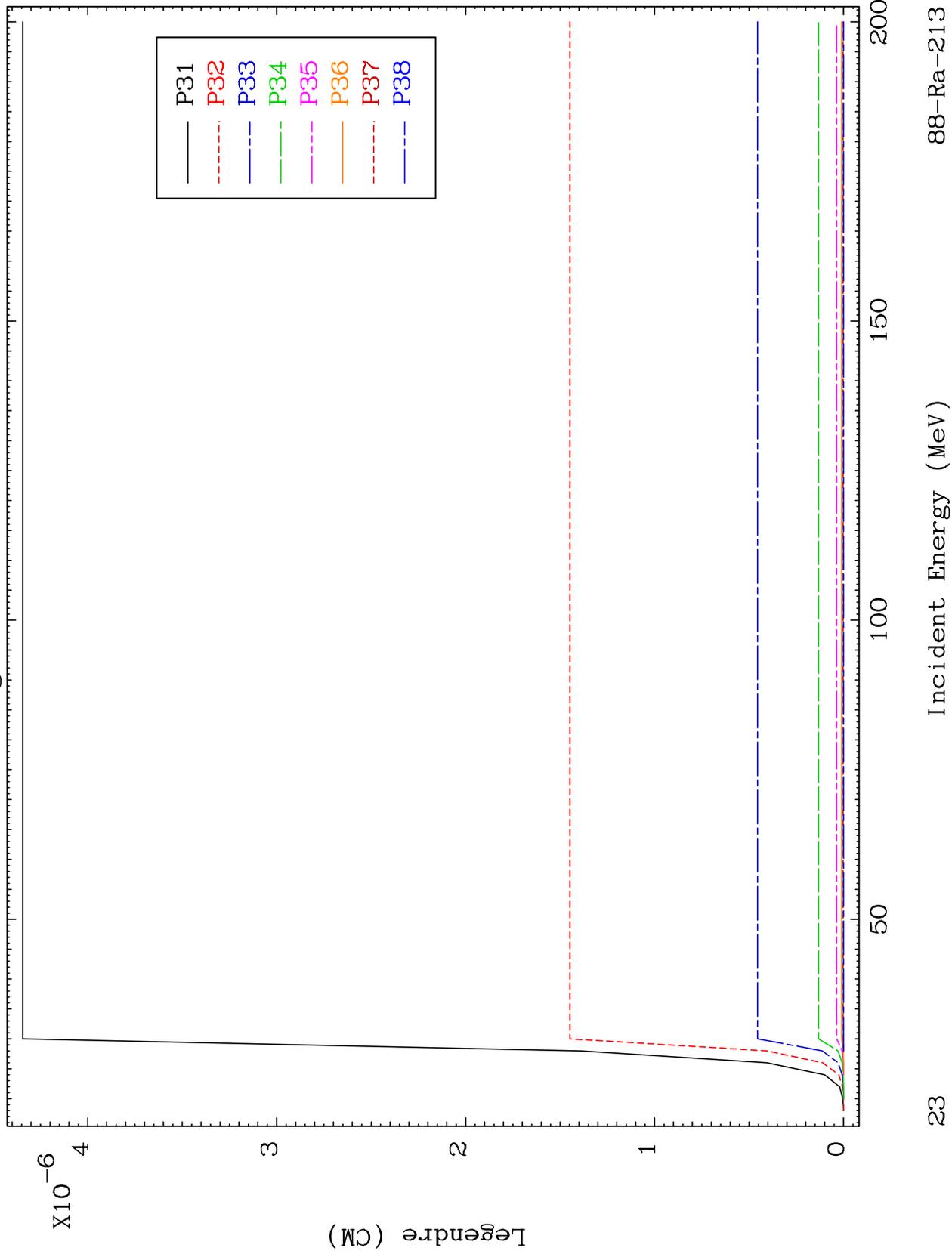
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MAT 8795

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

88-Ra-213



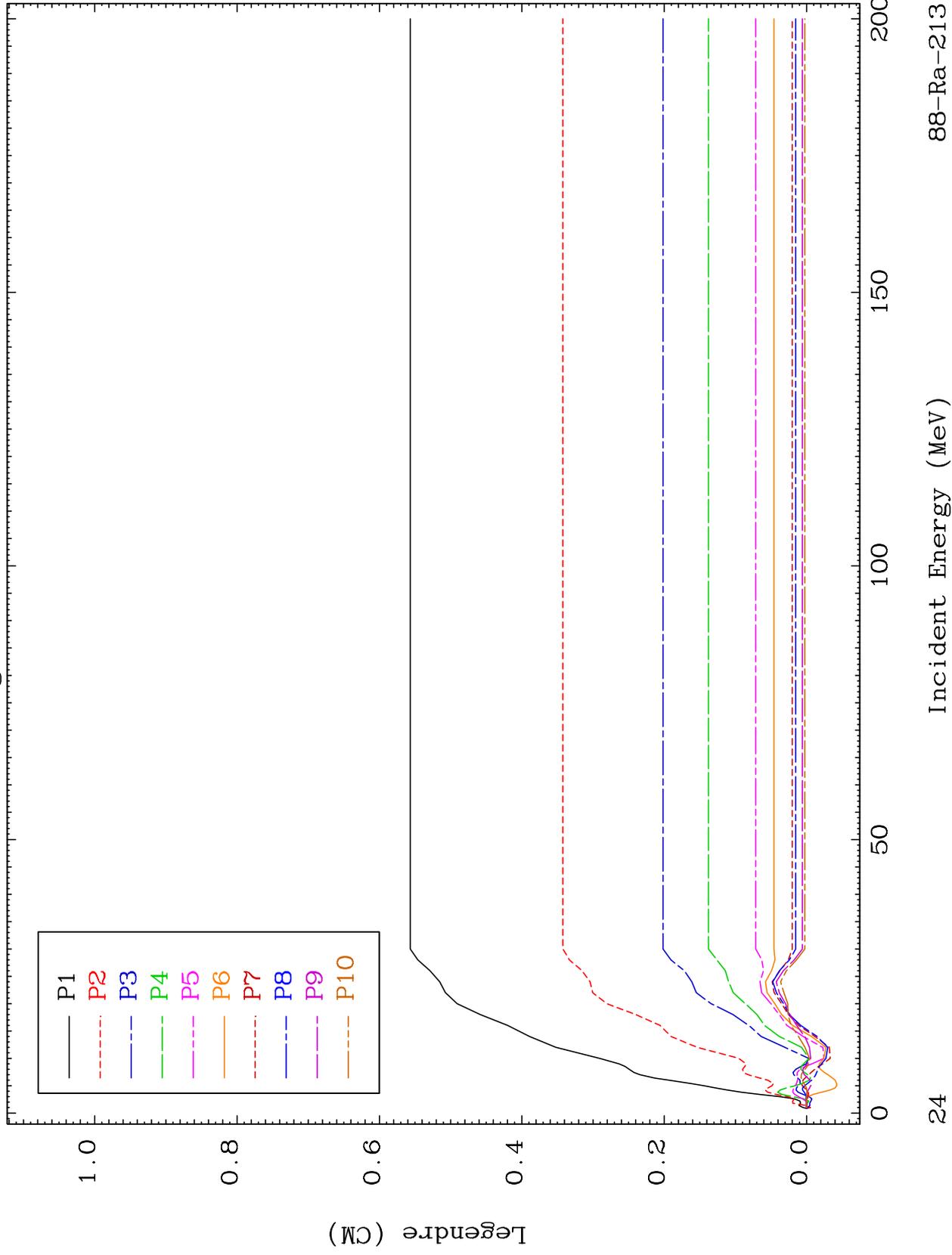
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88-Ra-213

MAT 8795

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

88-Ra-213



88-Ra-213

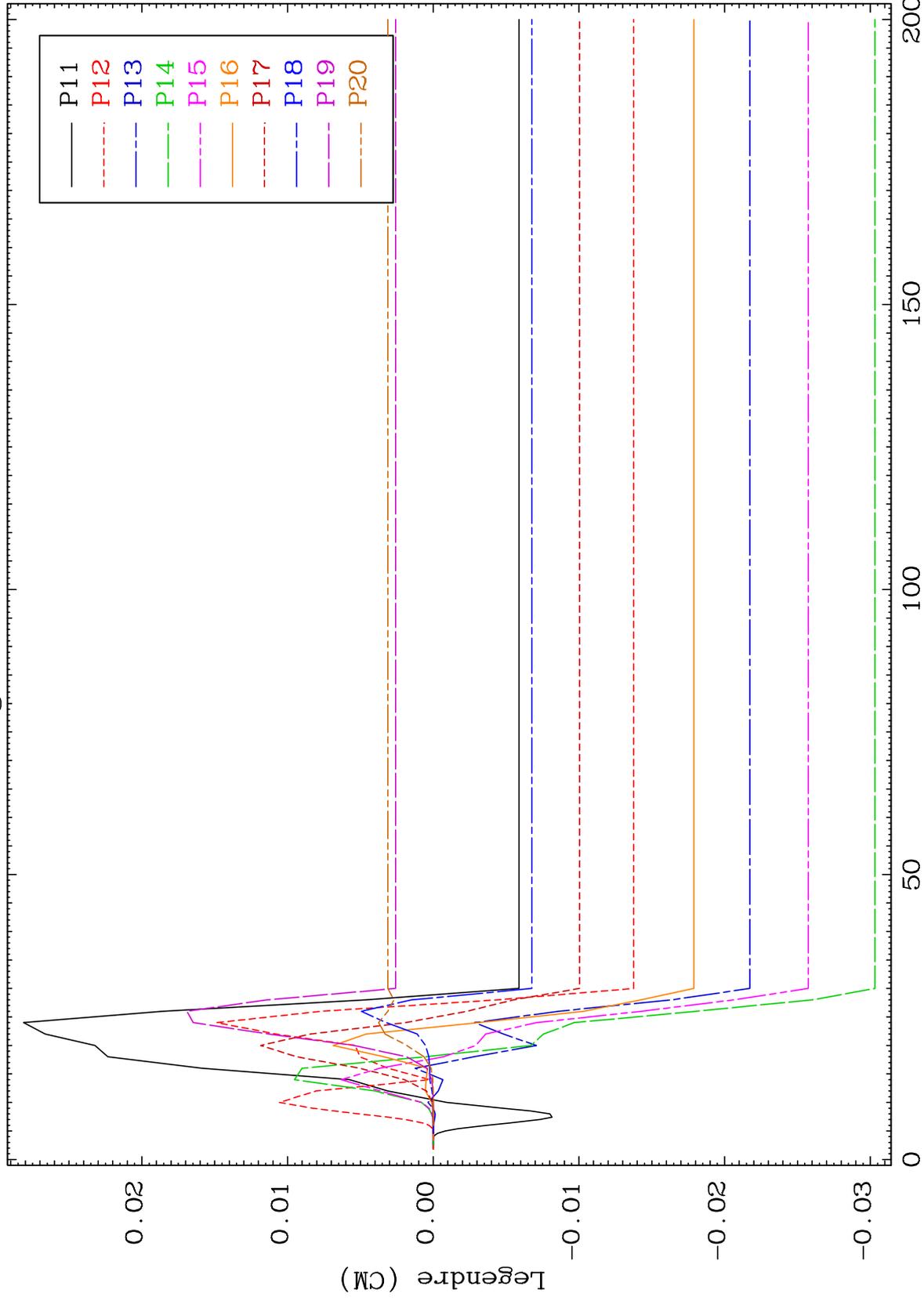
Incident Energy (MeV)

24

MAT 8795

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

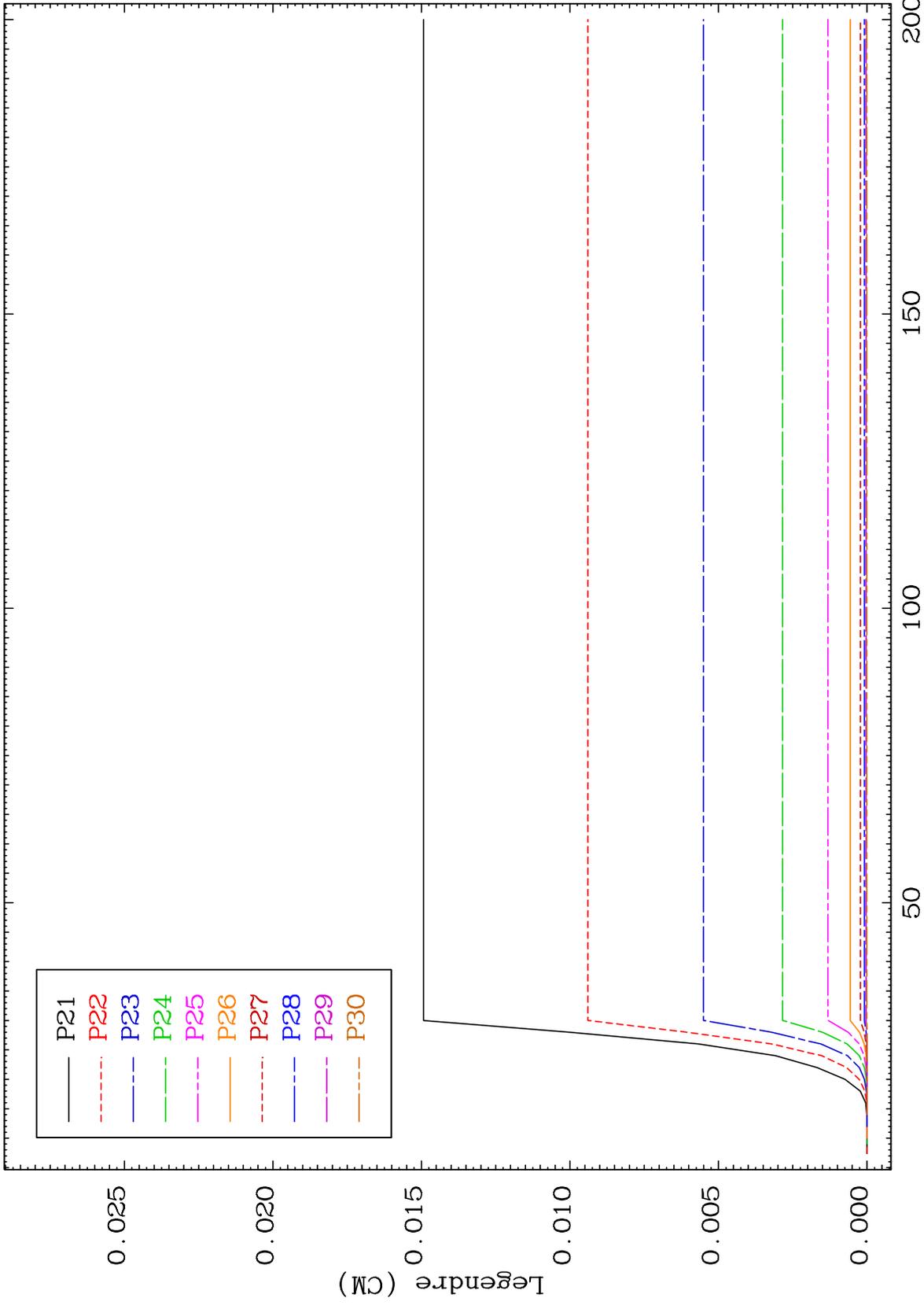
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25

Incident Energy (MeV)

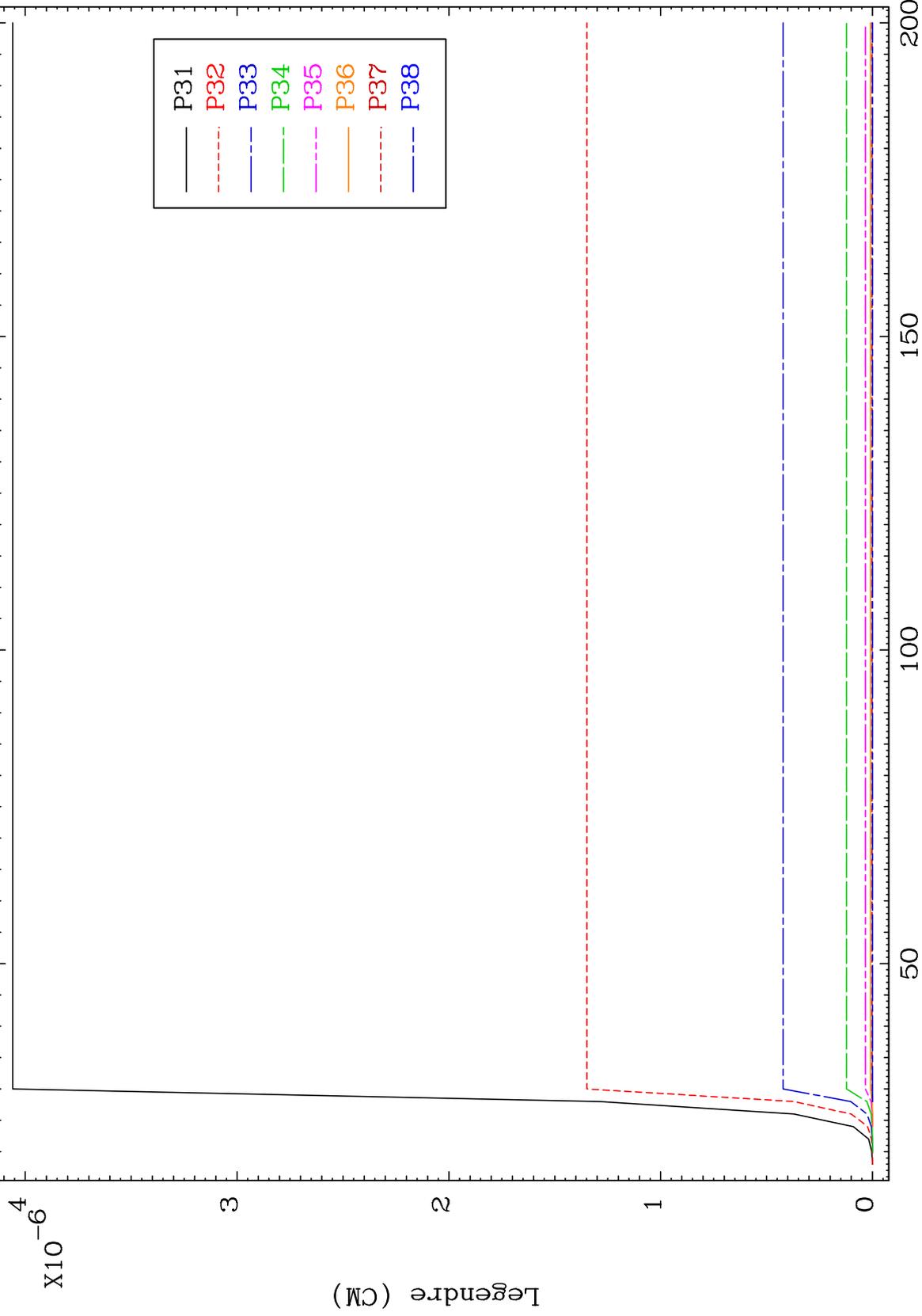
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MAT 8795

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

88-Ra-213



27

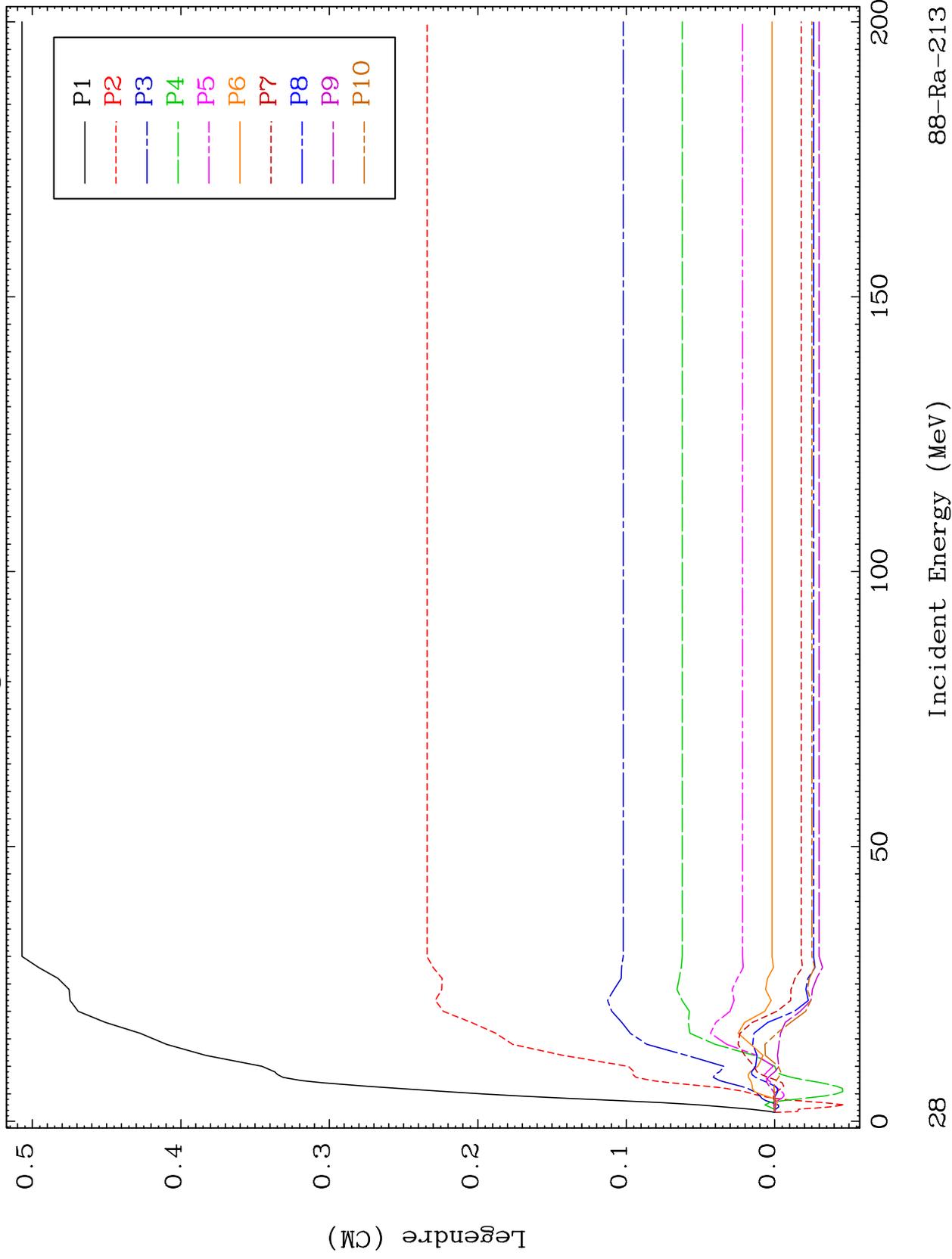
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



88-Ra-213

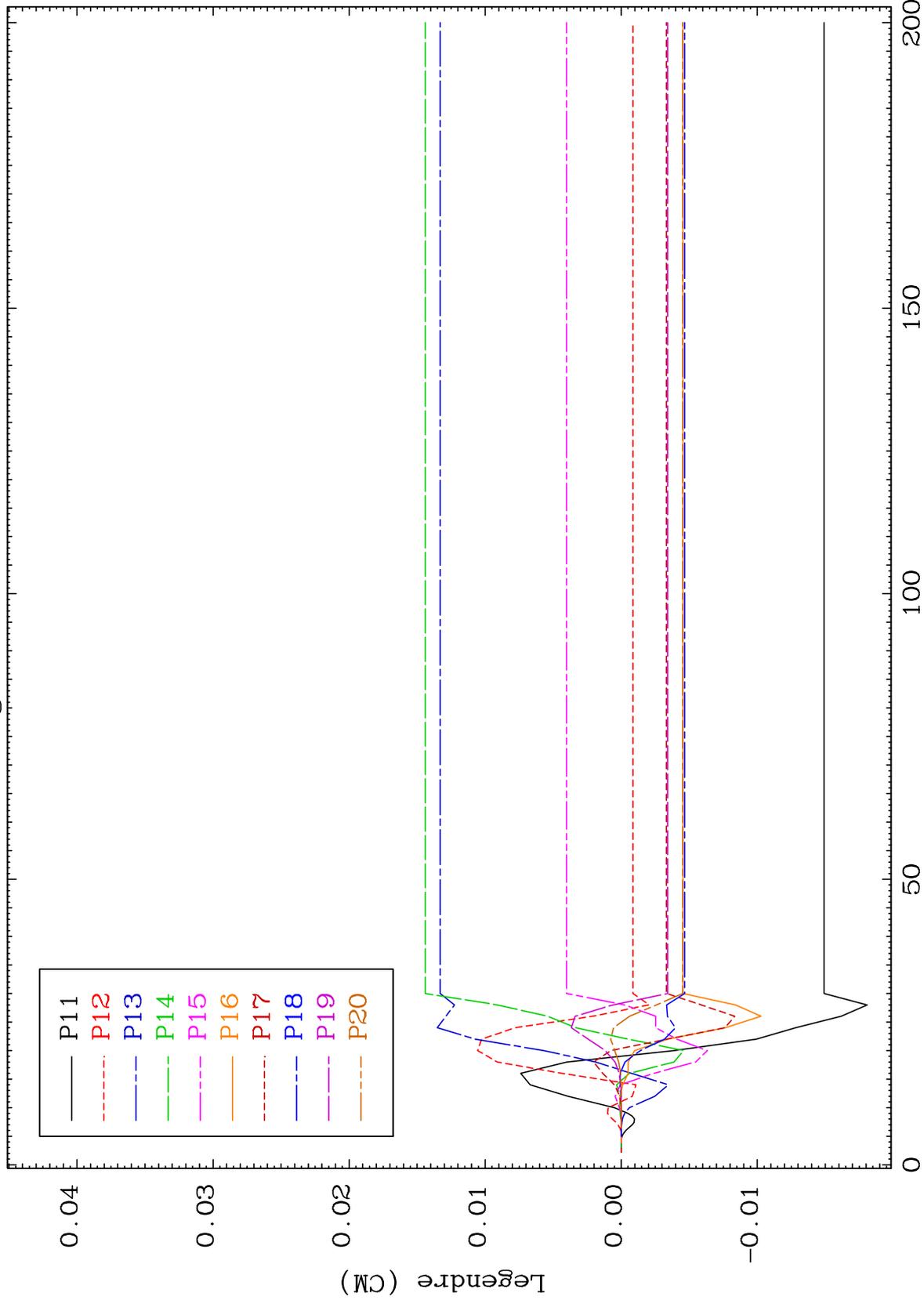
Incident Energy (MeV)

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MAT 8795

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

88-Ra-213



29

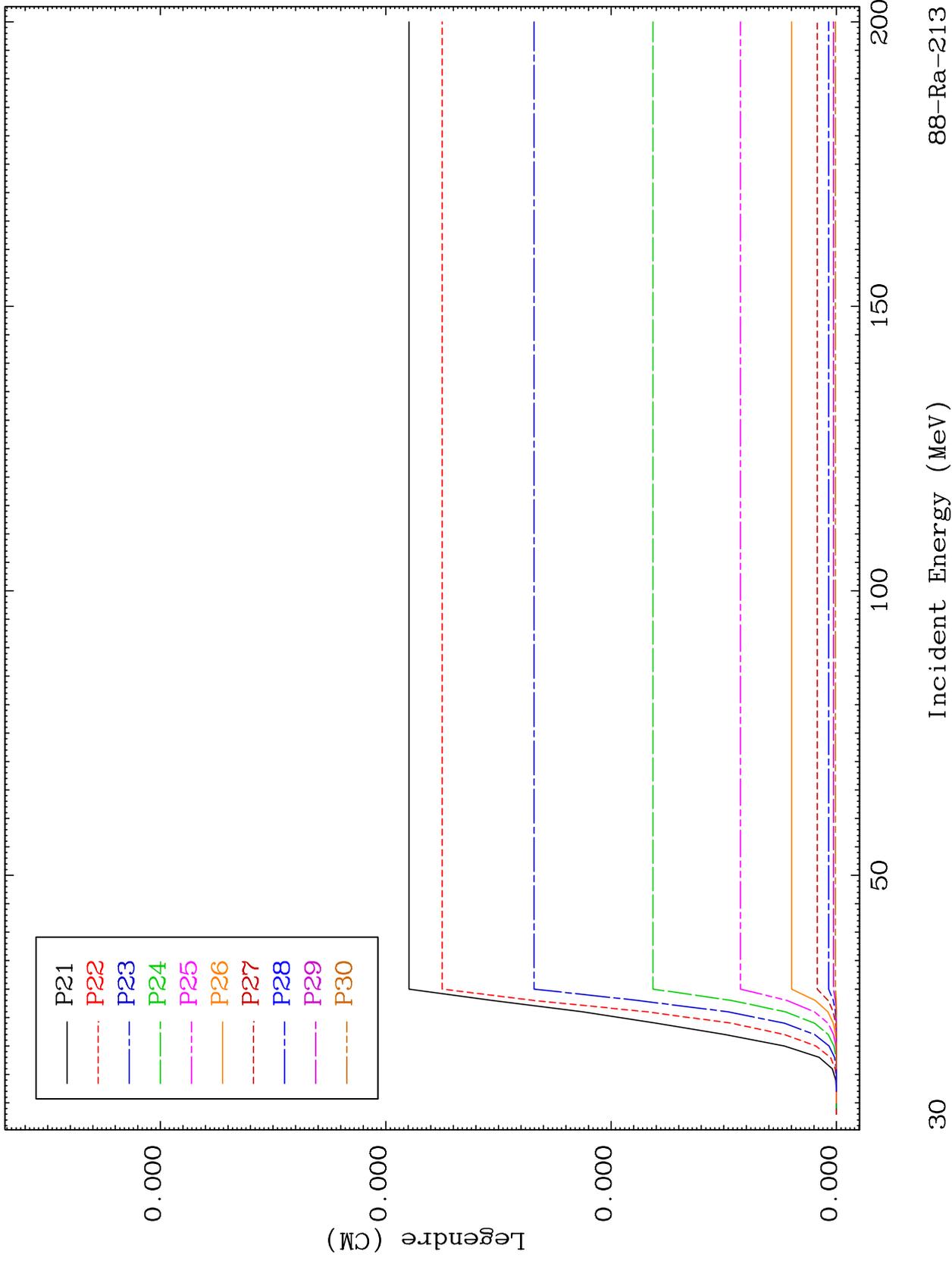
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



88-Ra-213

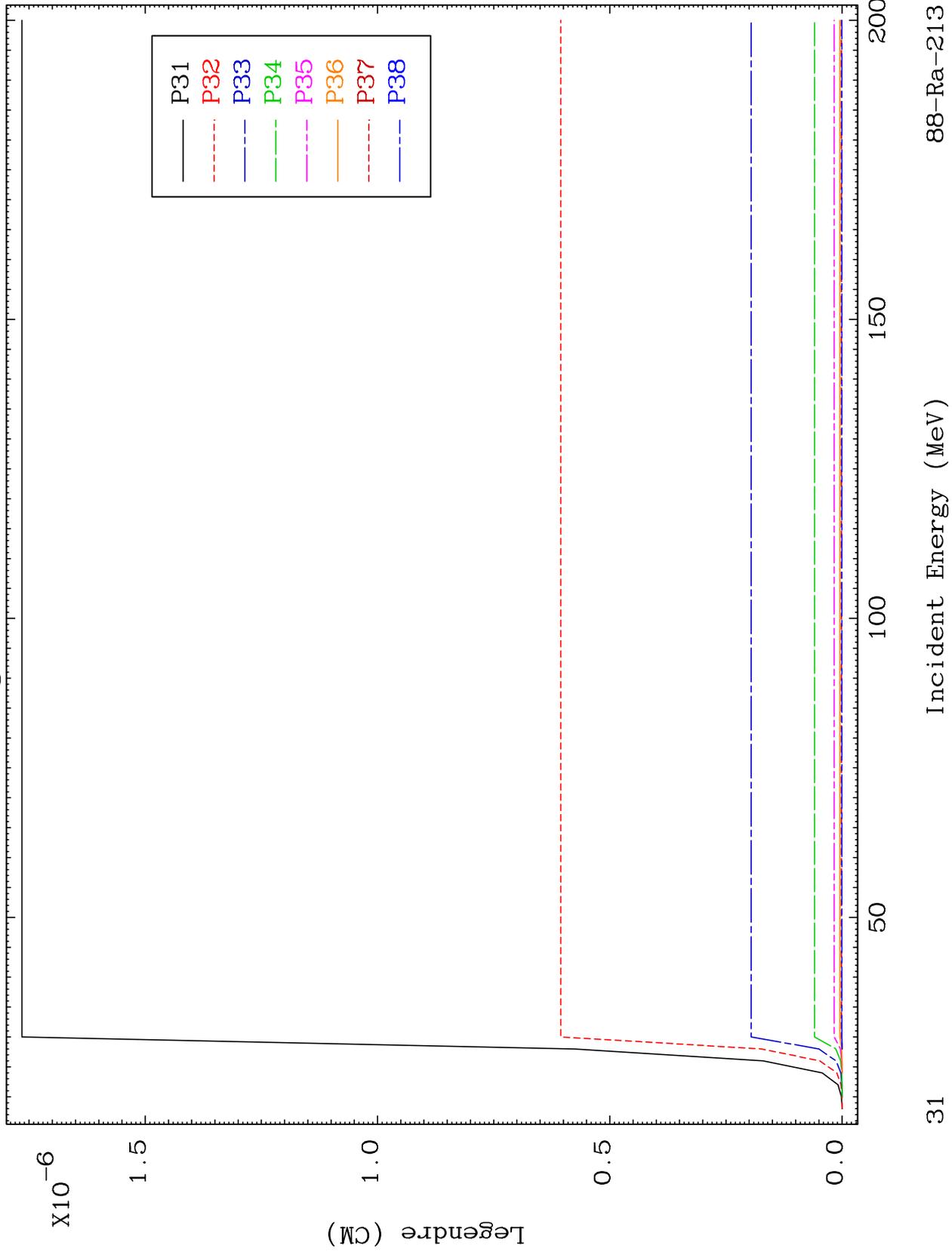
Incident Energy (MeV)

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MAT 8795

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

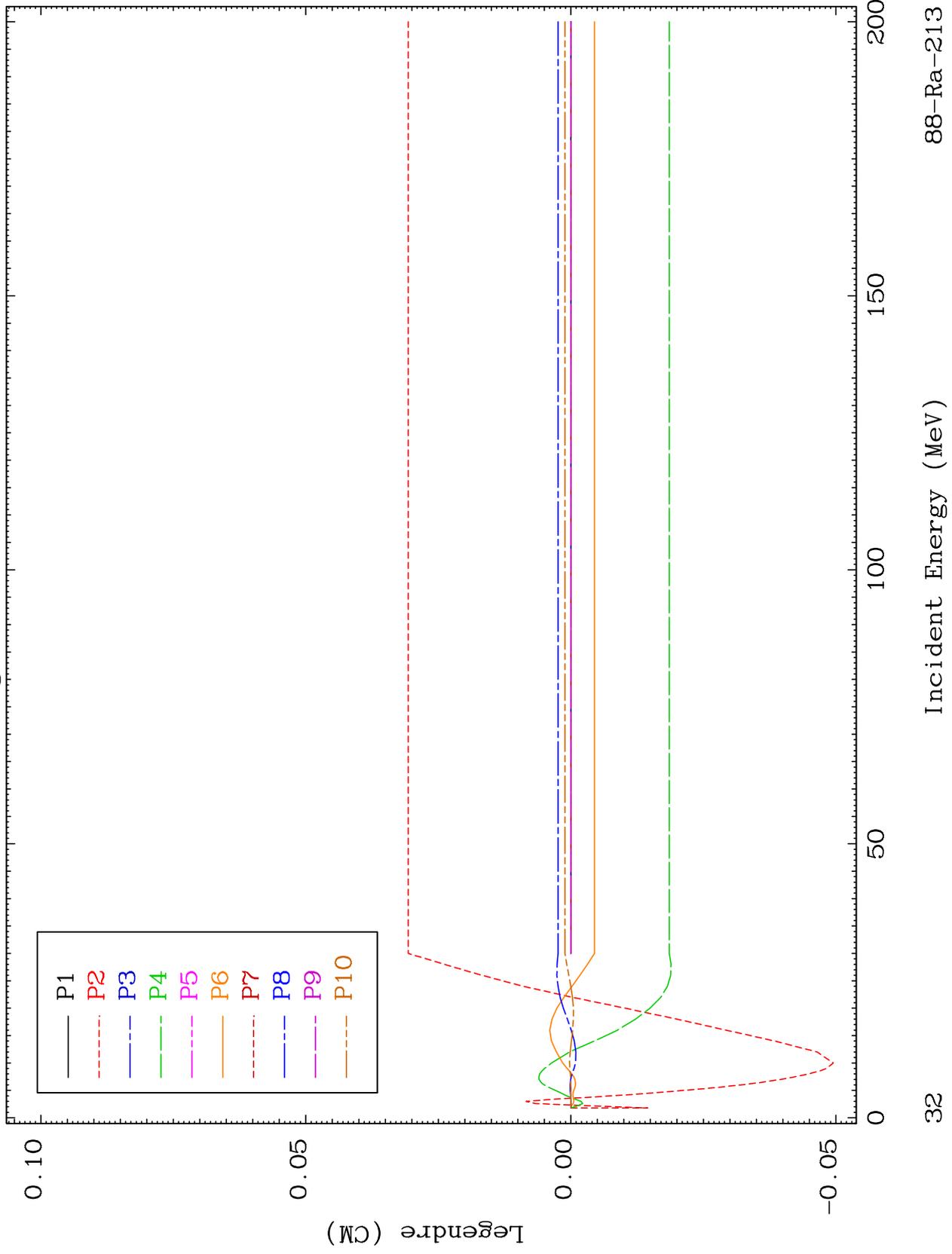
88-Ra-213



MAT 8795

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

88-Ra-213



88-Ra-213

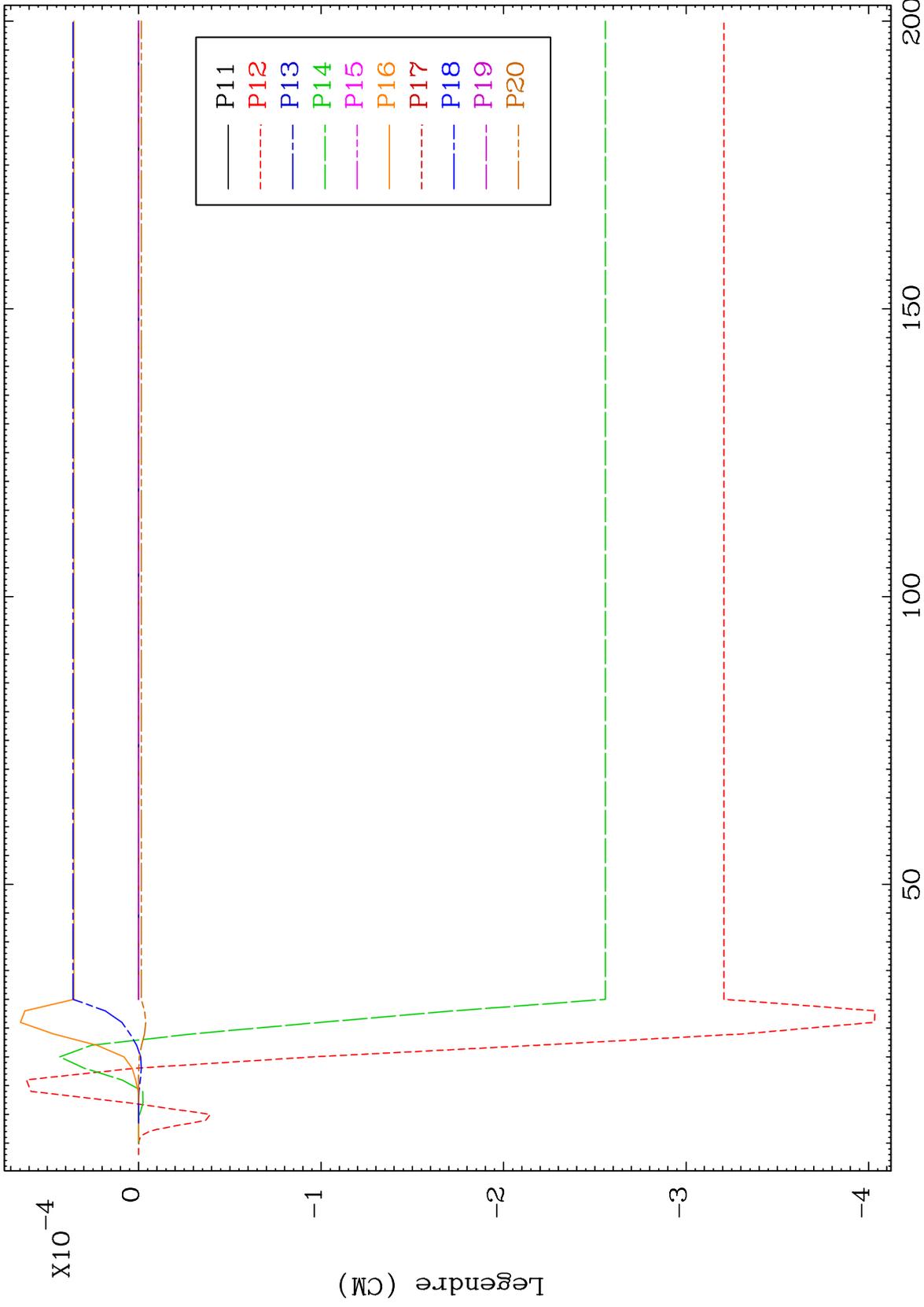
Incident Energy (MeV)

32

MAT 8795

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

88-Ra-213



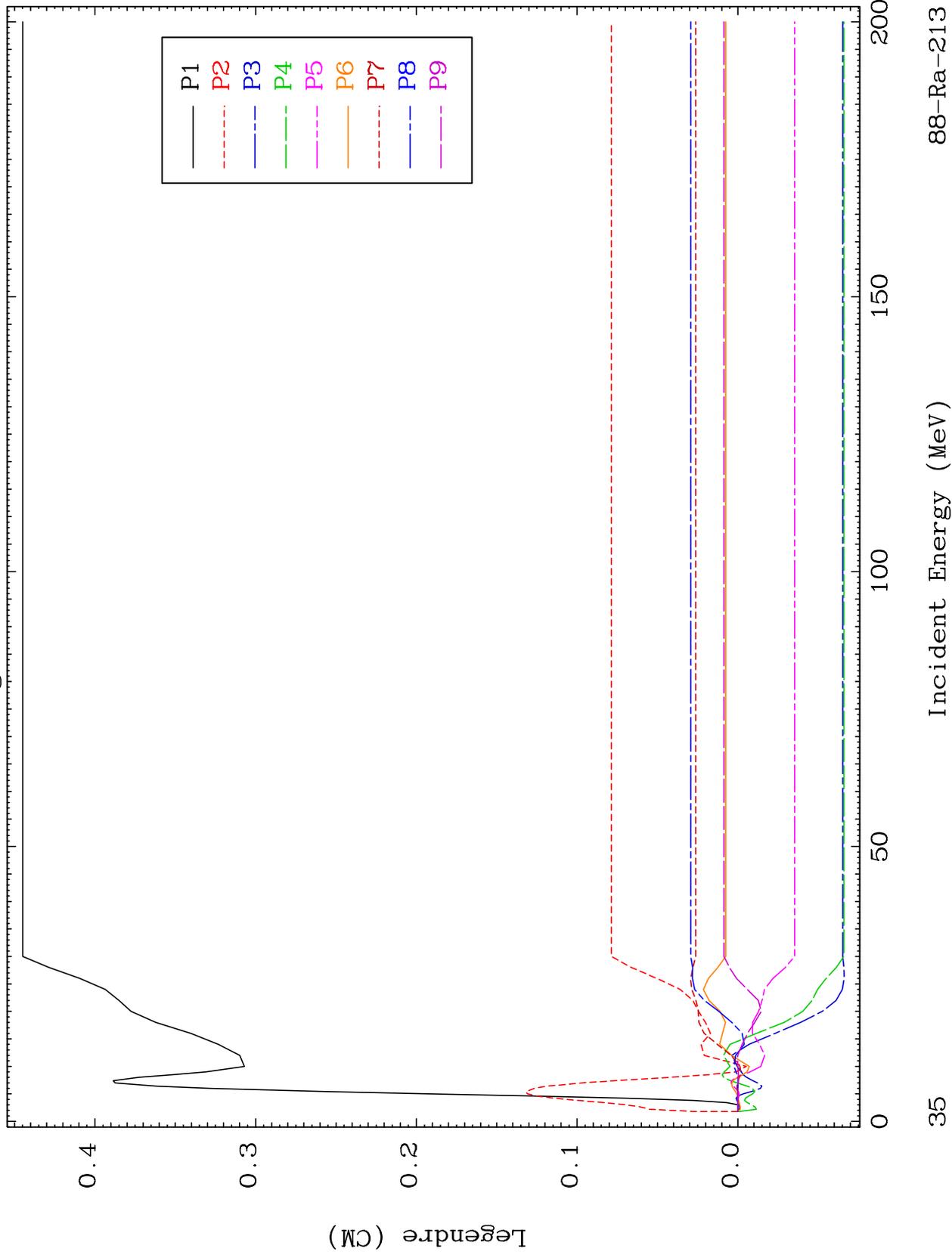
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88-Ra-213

MAT 8795

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

88-Ra-213



88-Ra-213

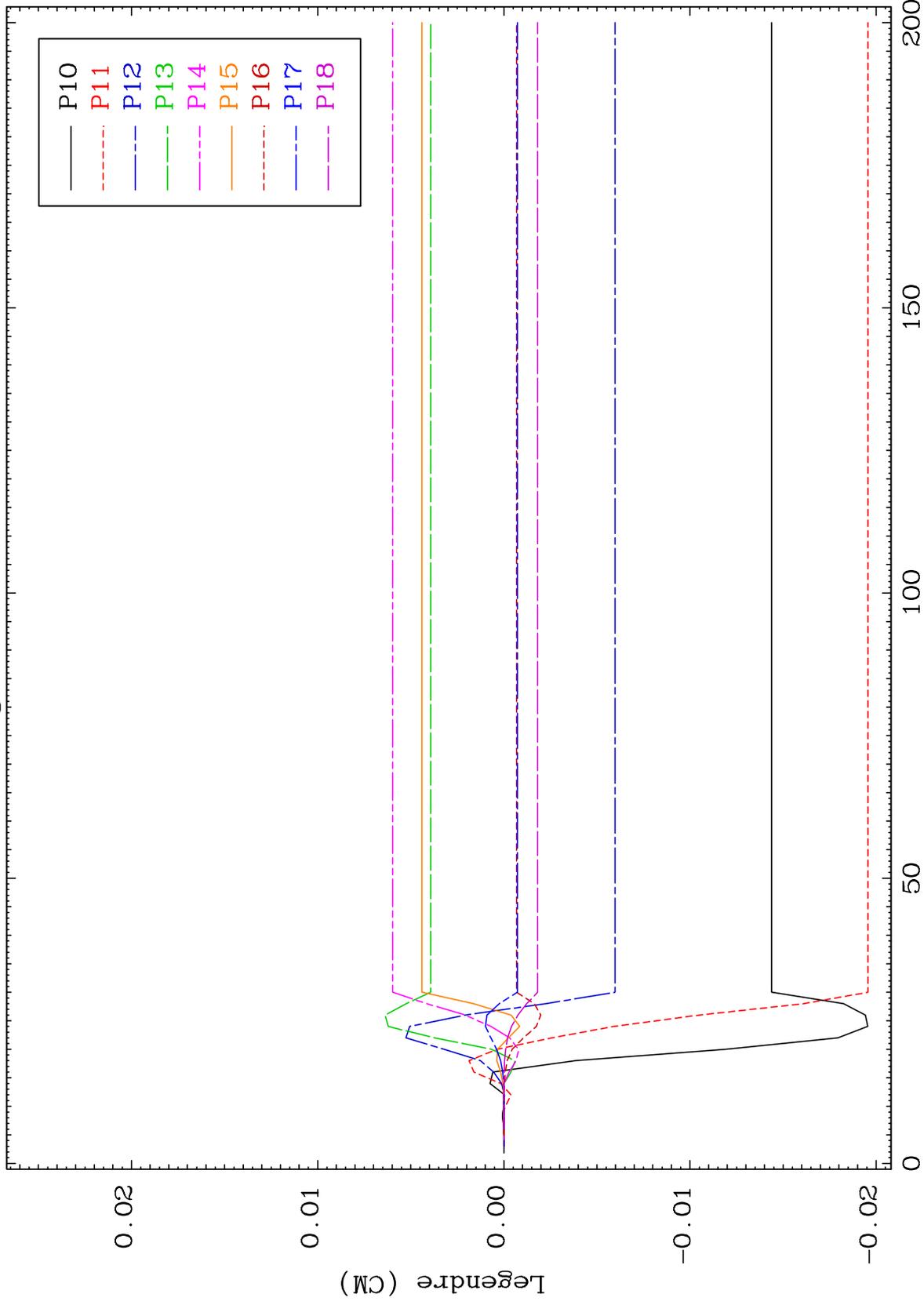
Incident Energy (MeV)

35

MAT 8795

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

88-Ra-213



36

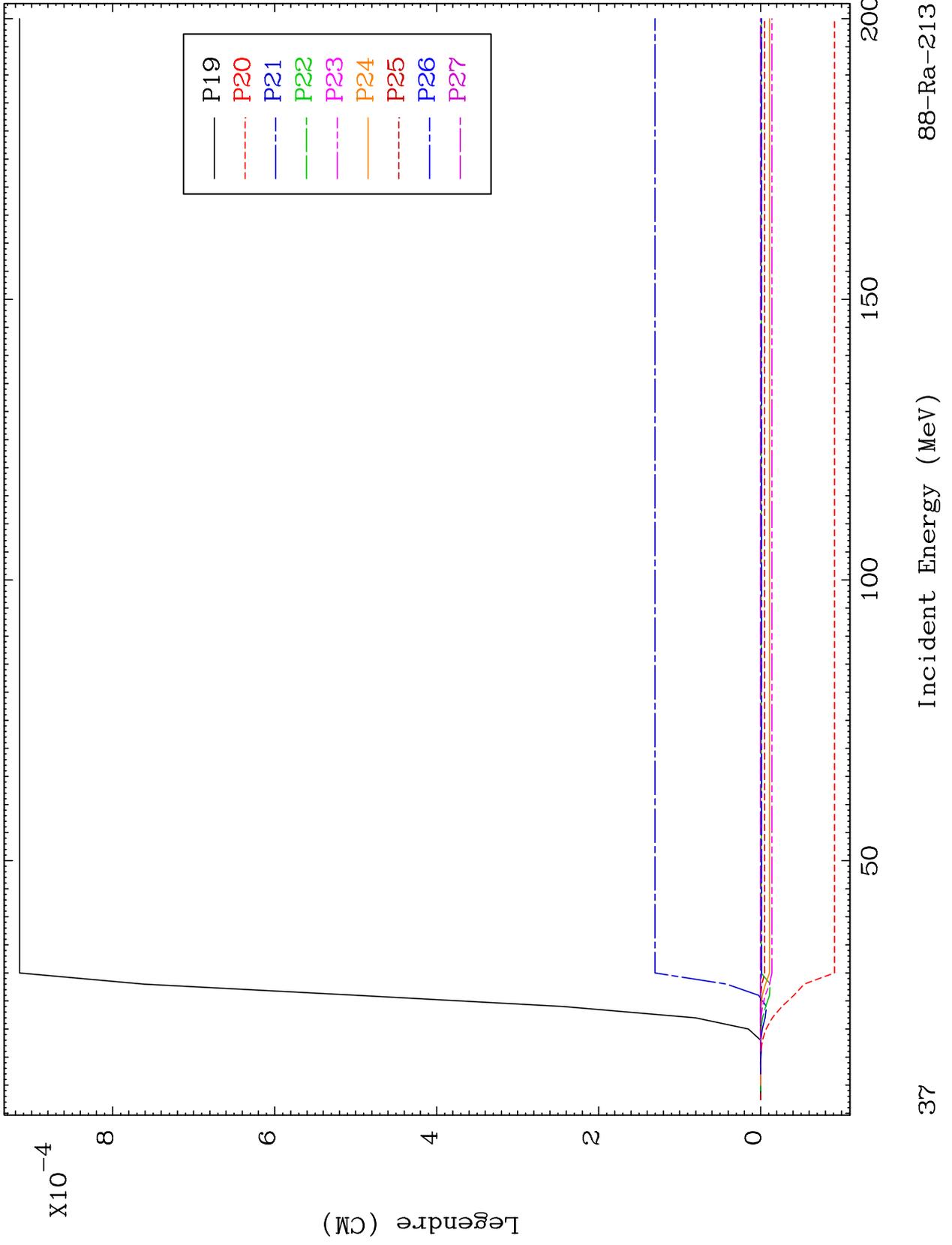
Incident Energy (MeV)

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MAT 8795

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

88-Ra-213



37

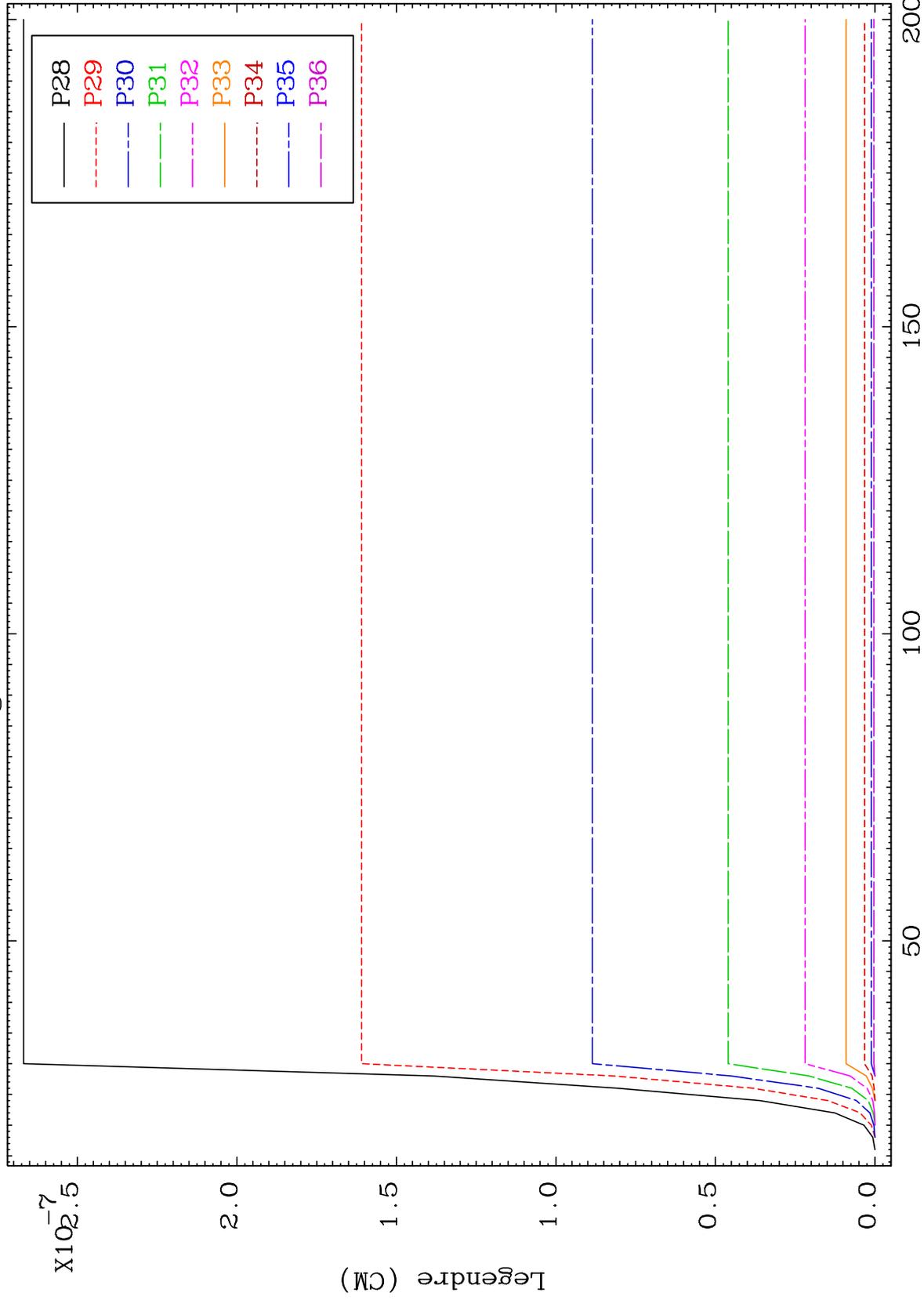
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



38

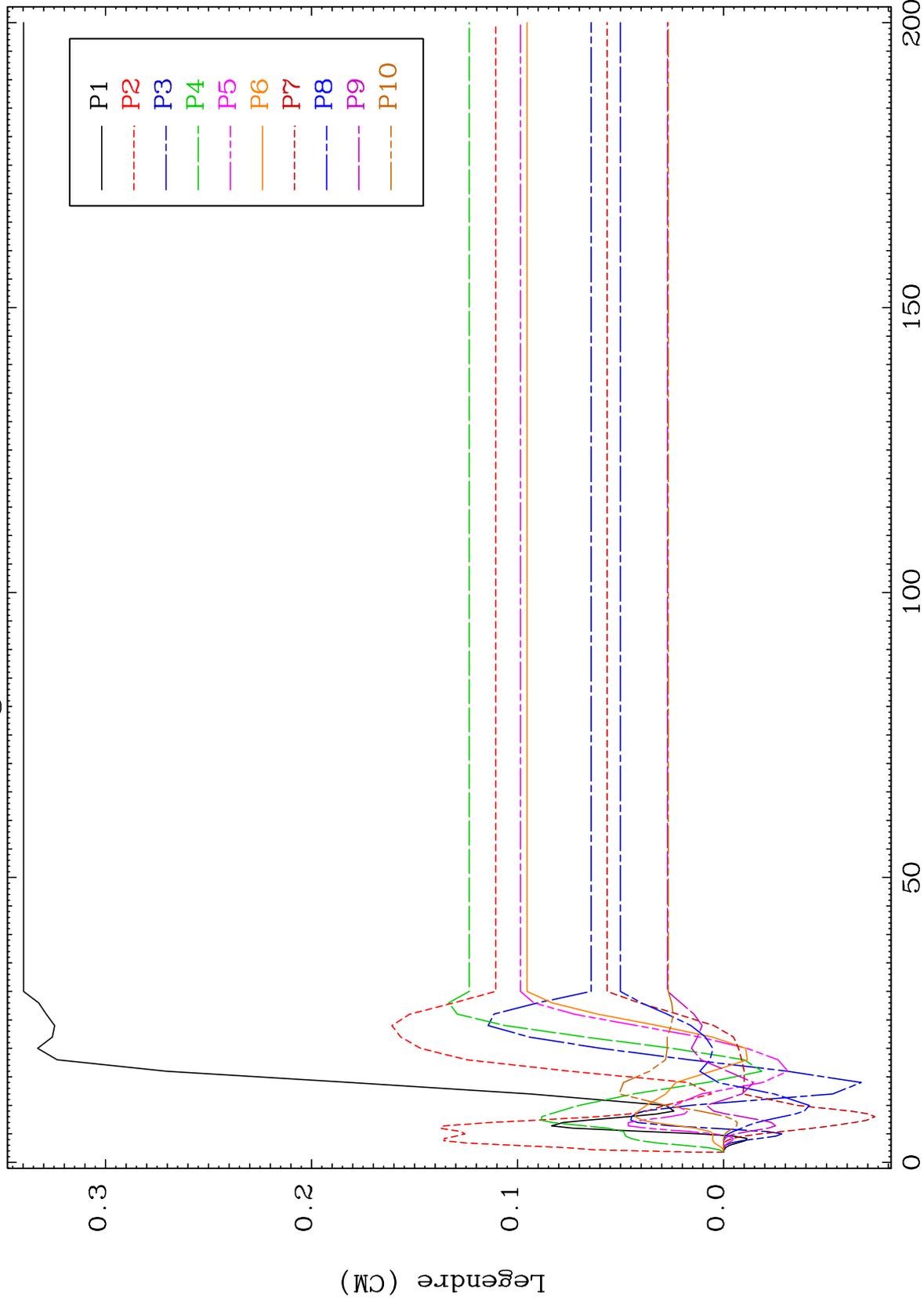
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



39

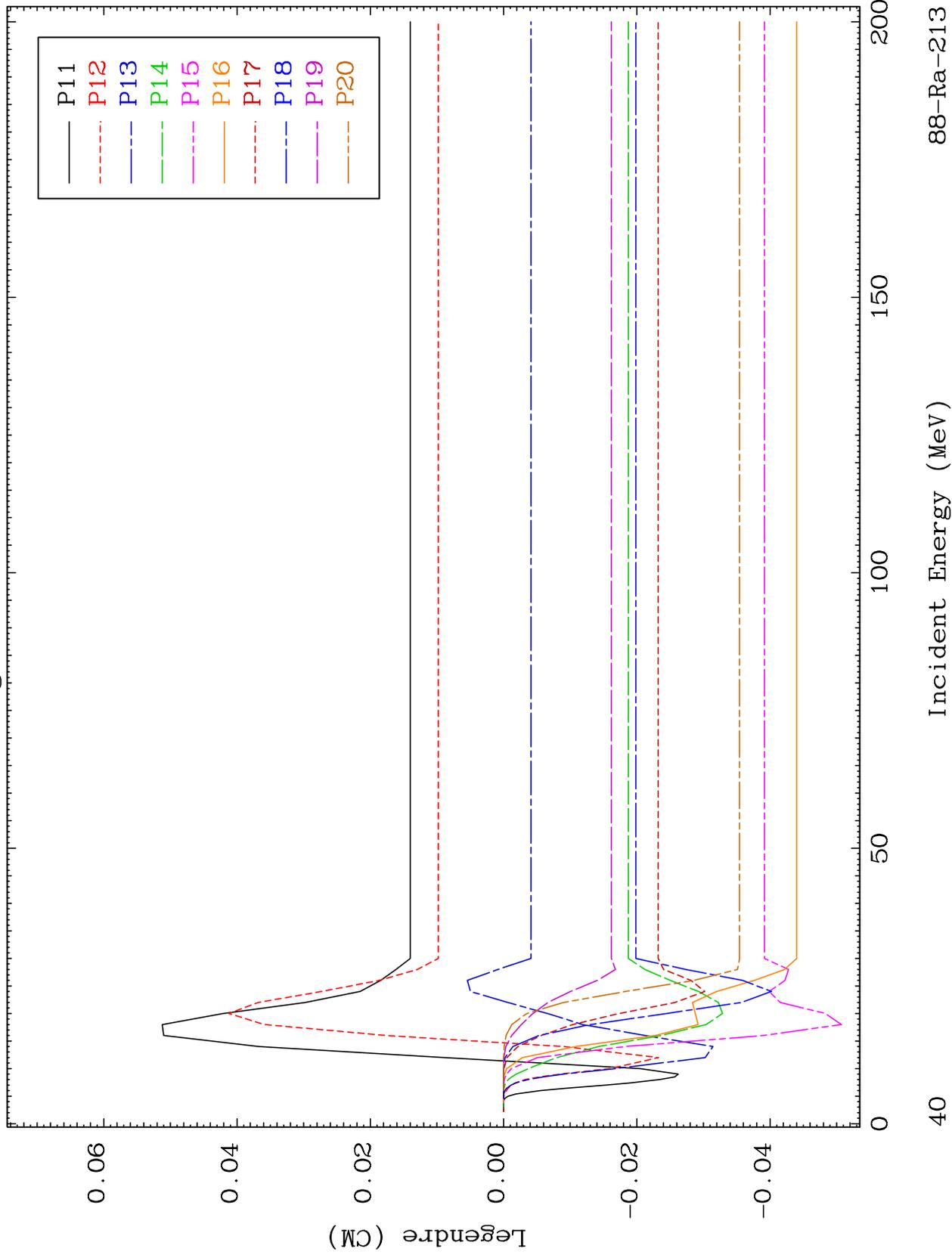
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MAT 8795

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

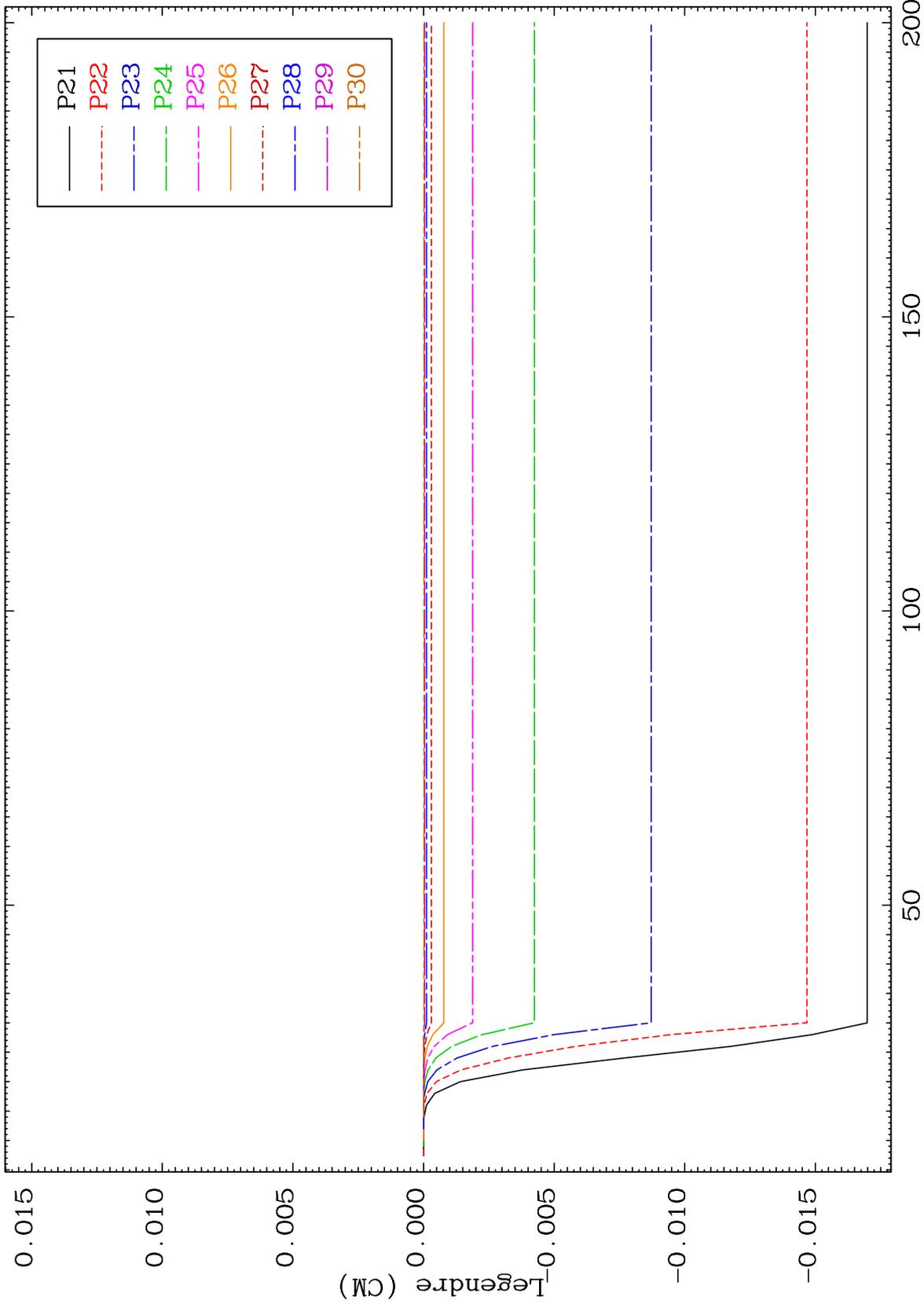
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MAT 8795

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

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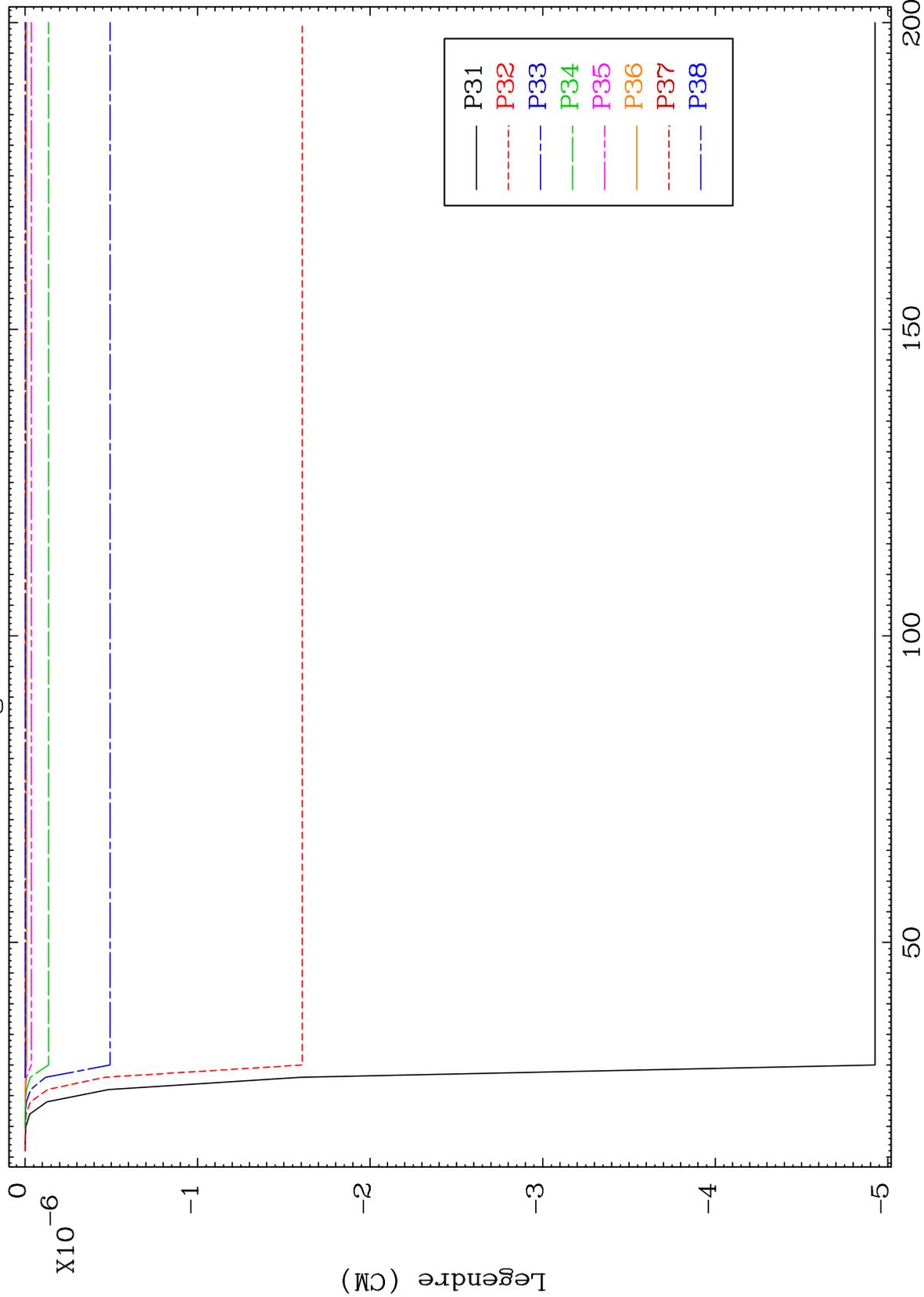


MAT 8795

MT= 56 (n,n') Level

88-Ra-213

Legendre Coefficients



42

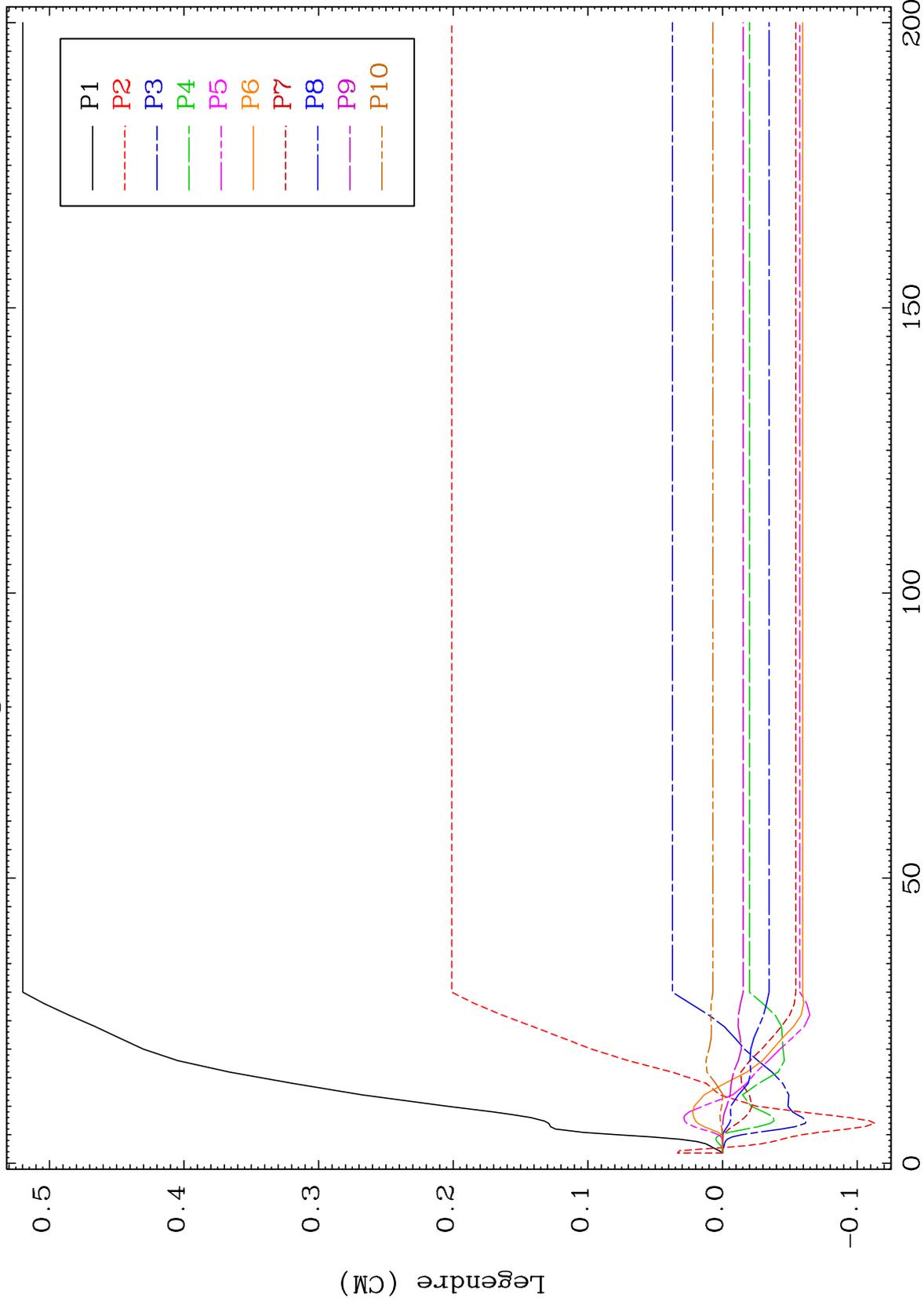
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



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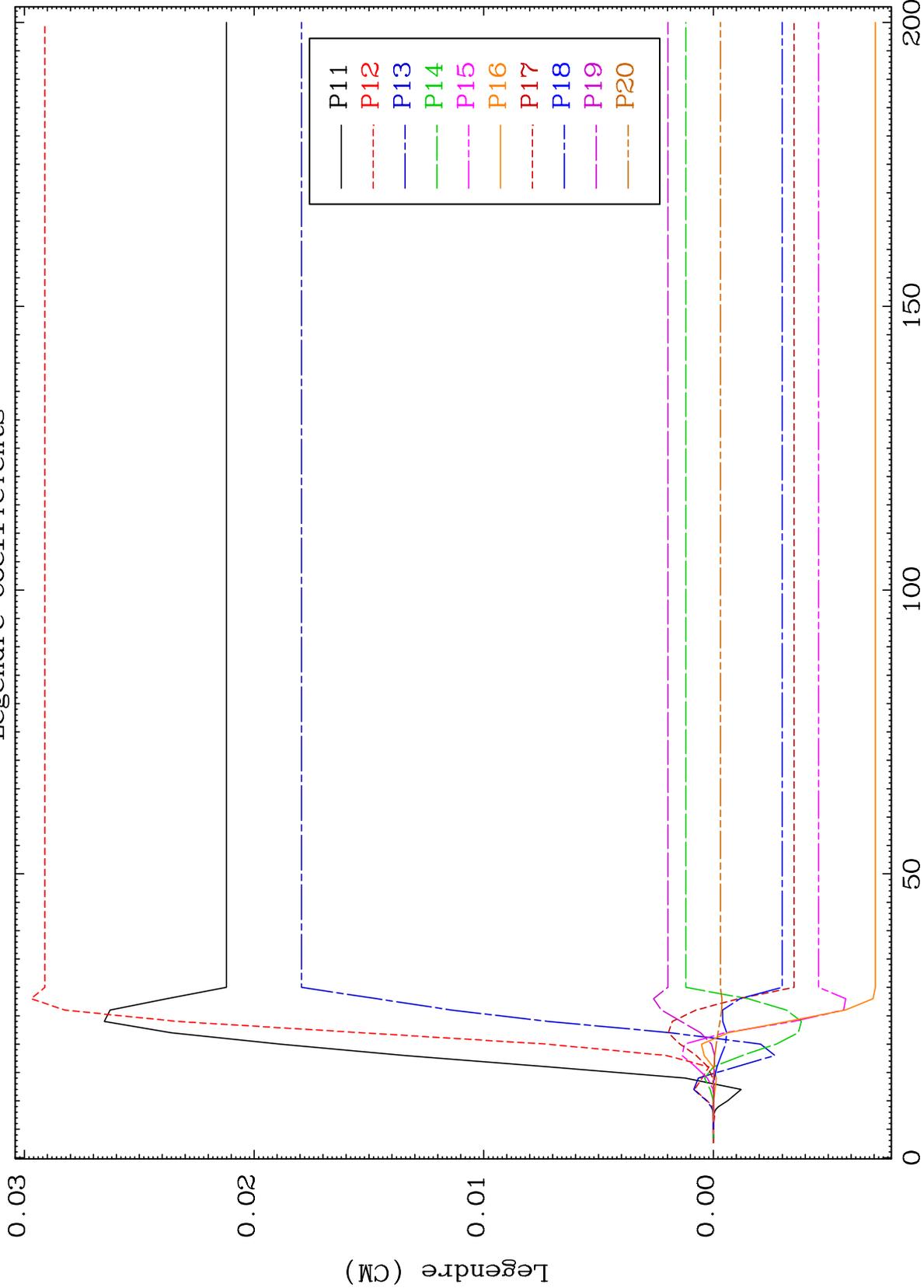
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



44

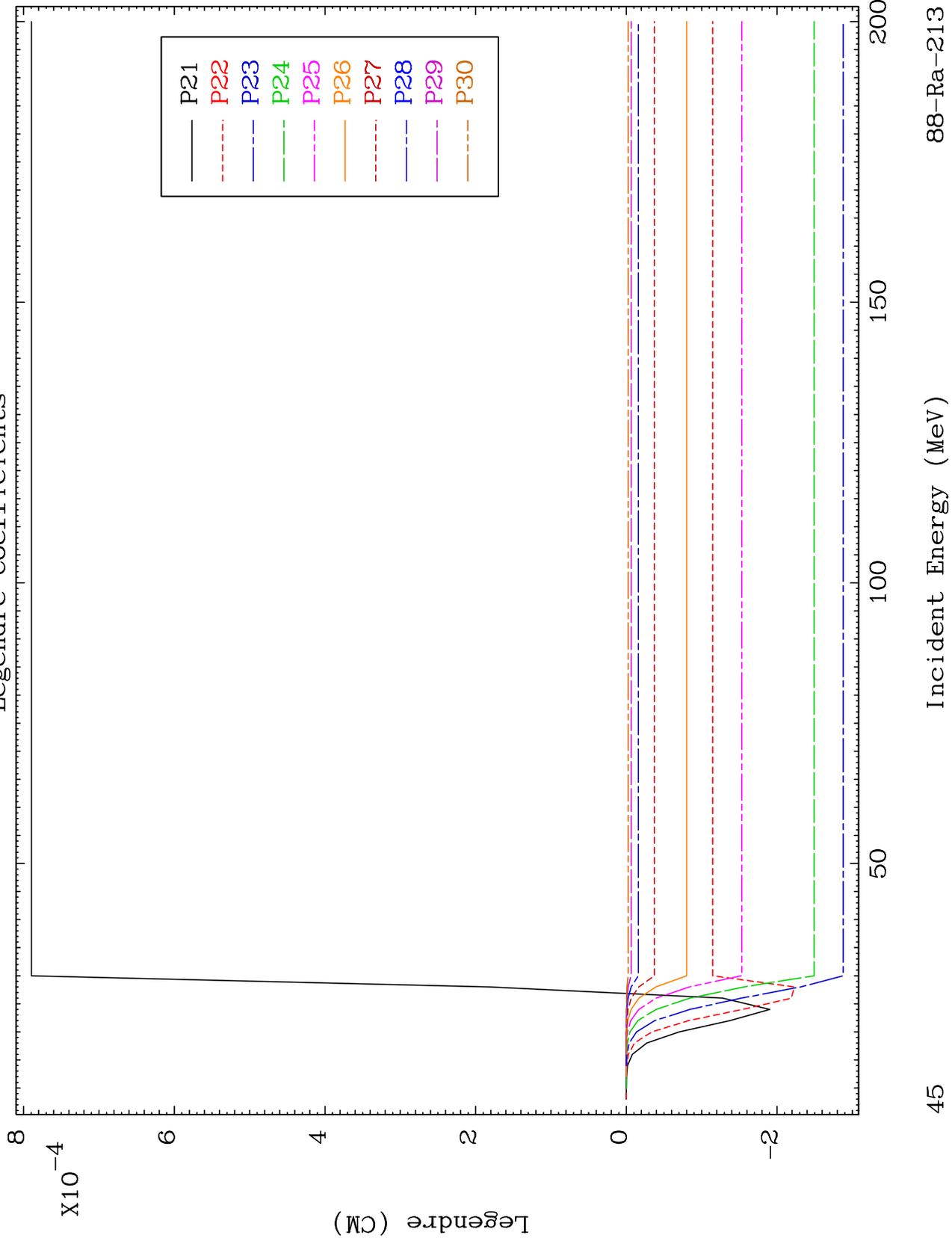
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

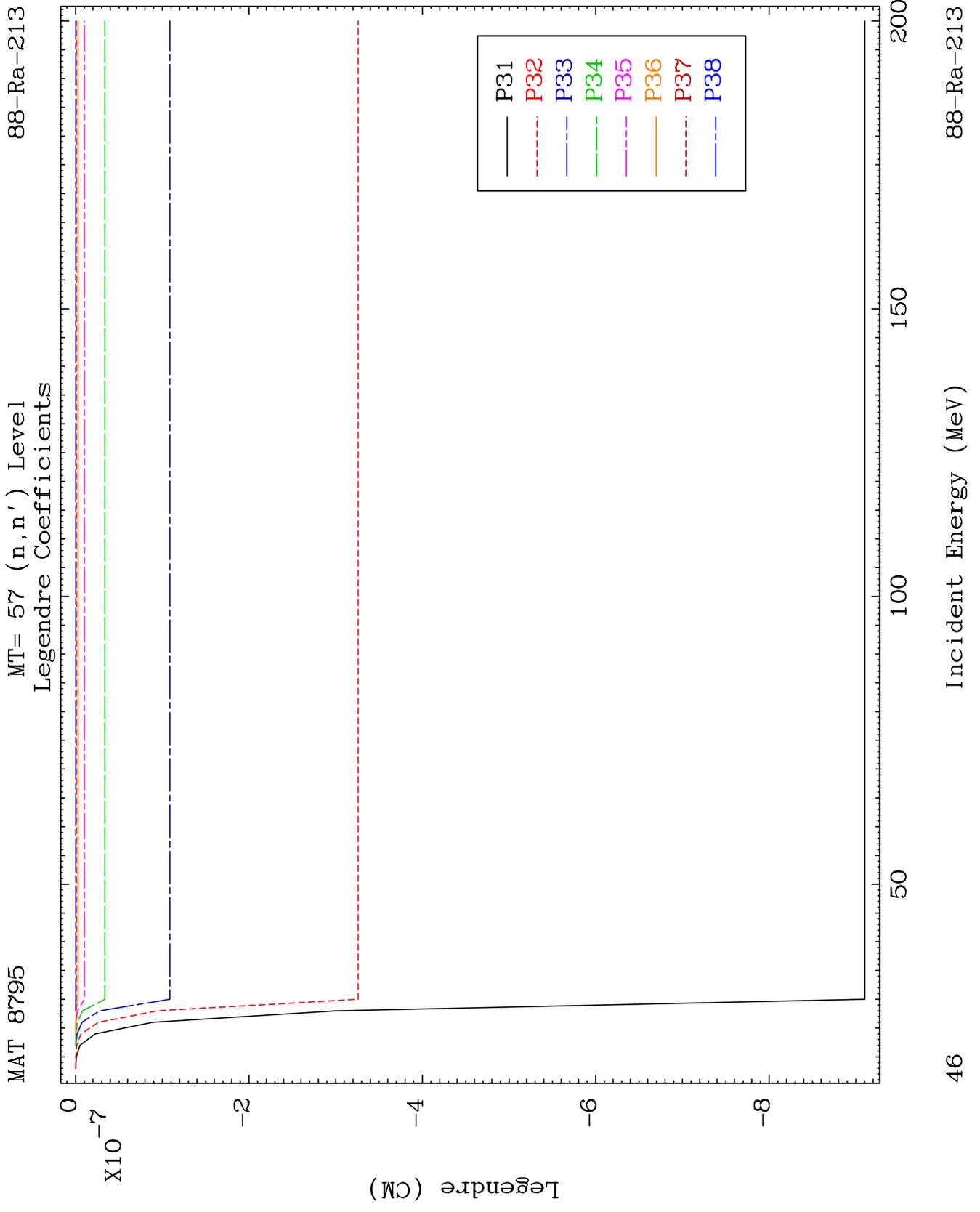
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Incident Energy (MeV)

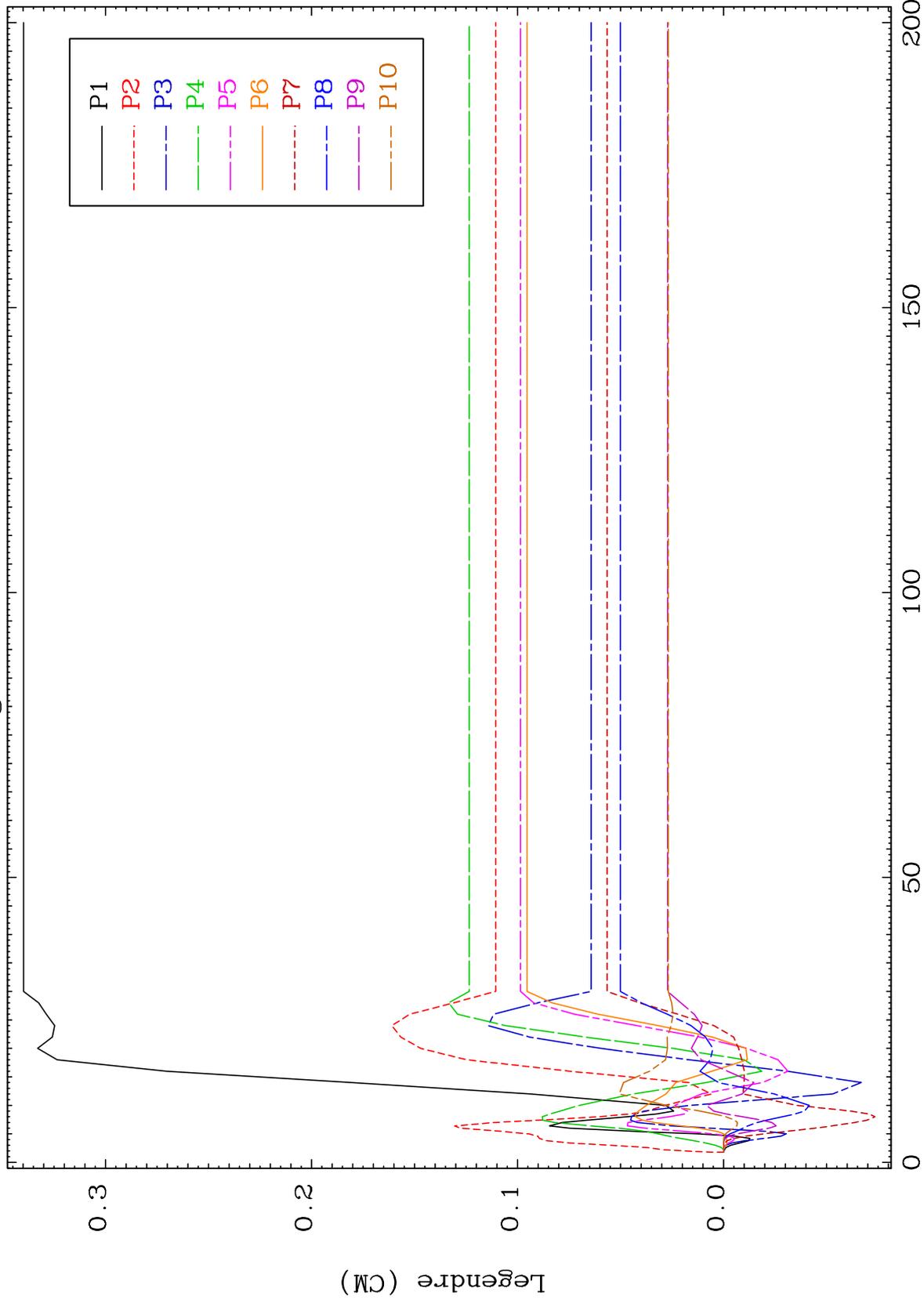
88-Ra-213



MAT 8795

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

88-Ra-213



47

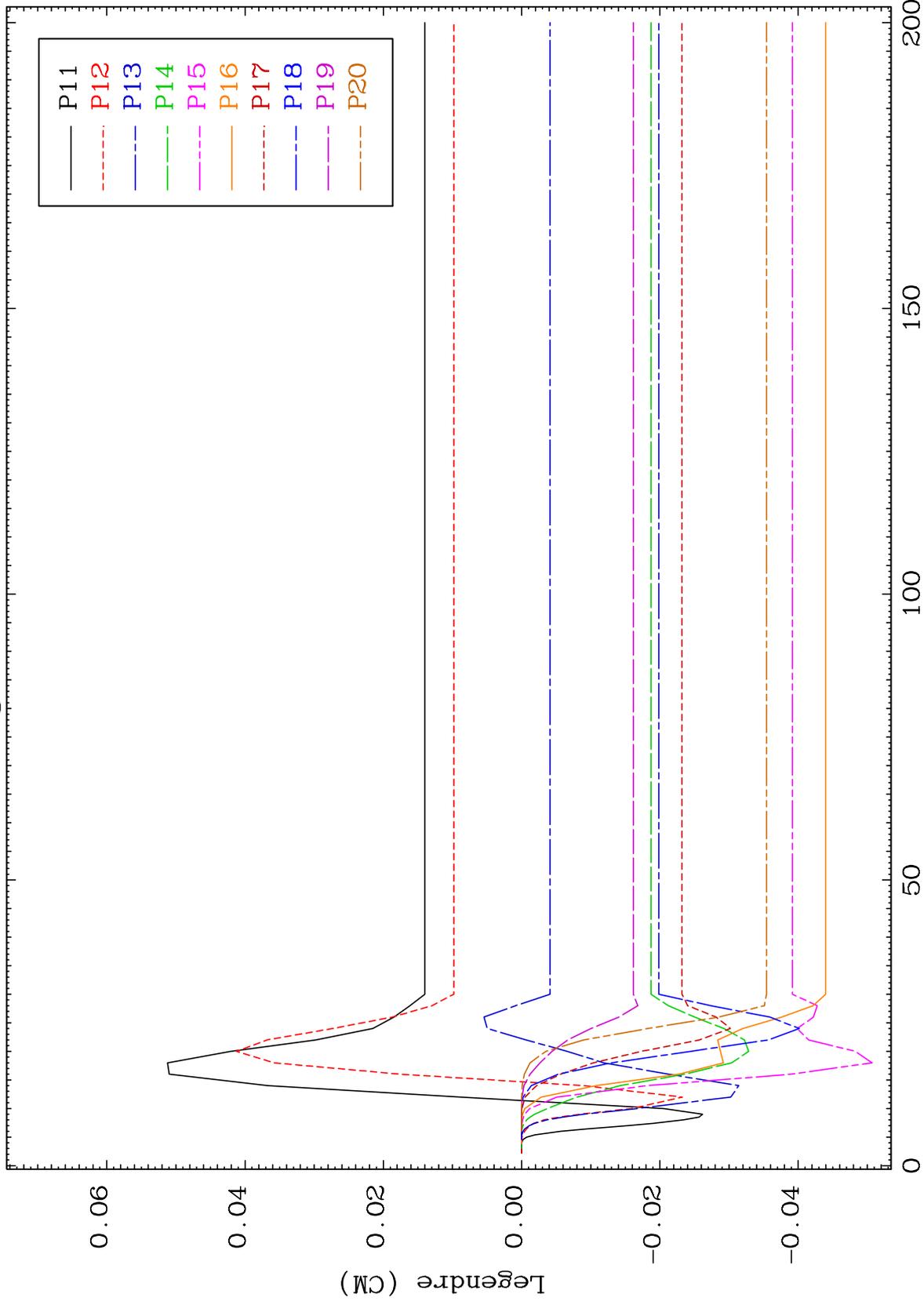
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



48

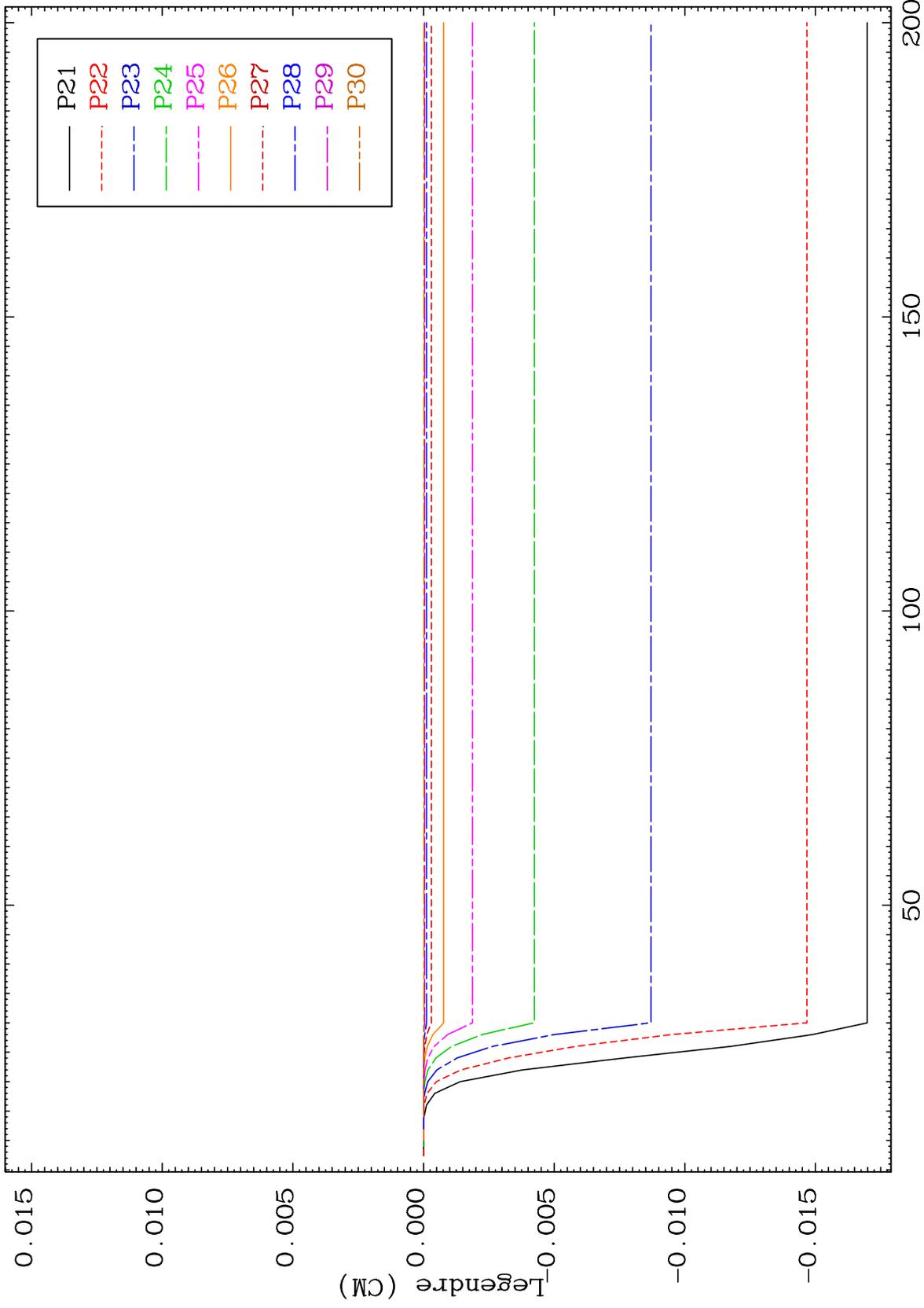
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



49

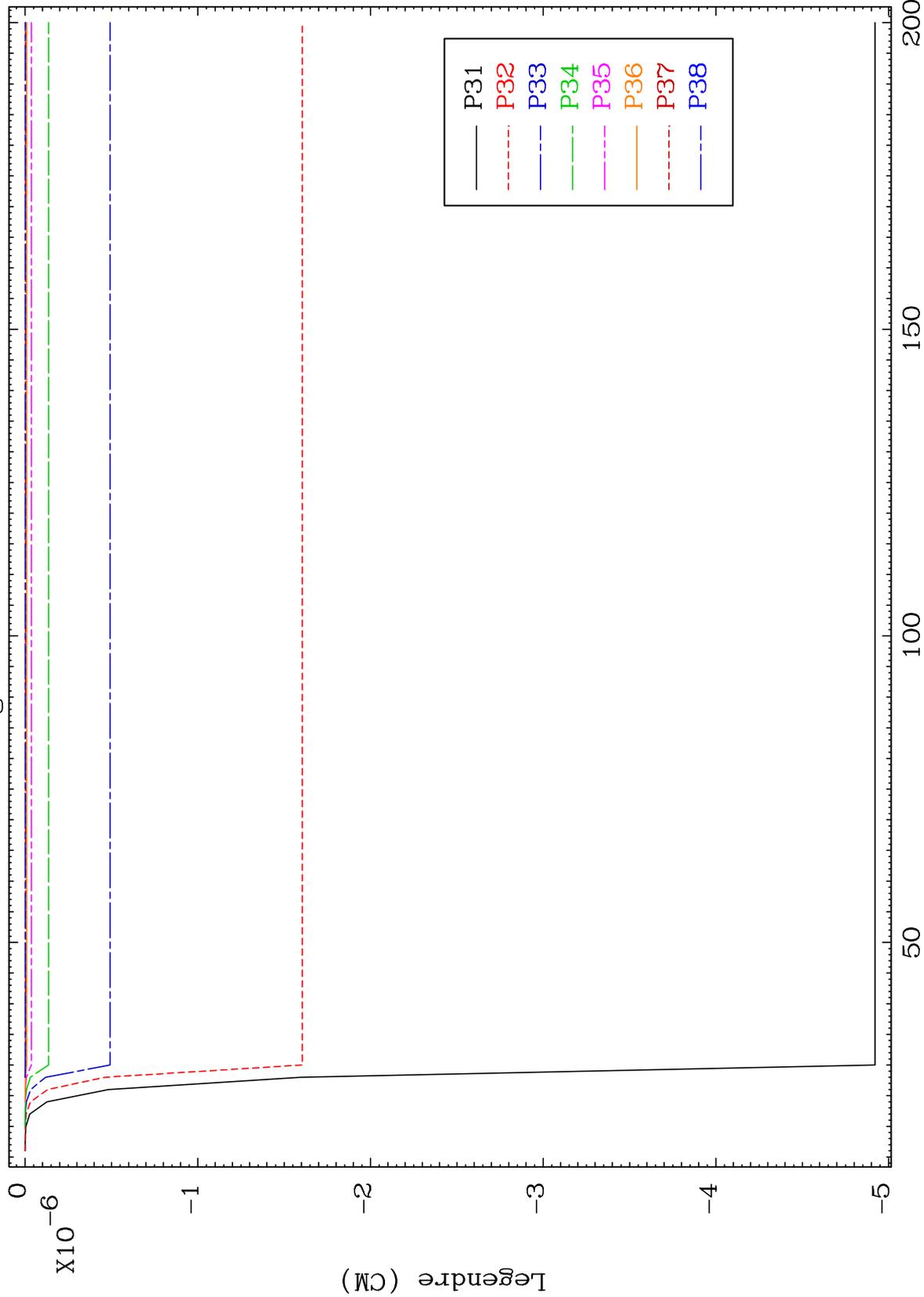
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



50

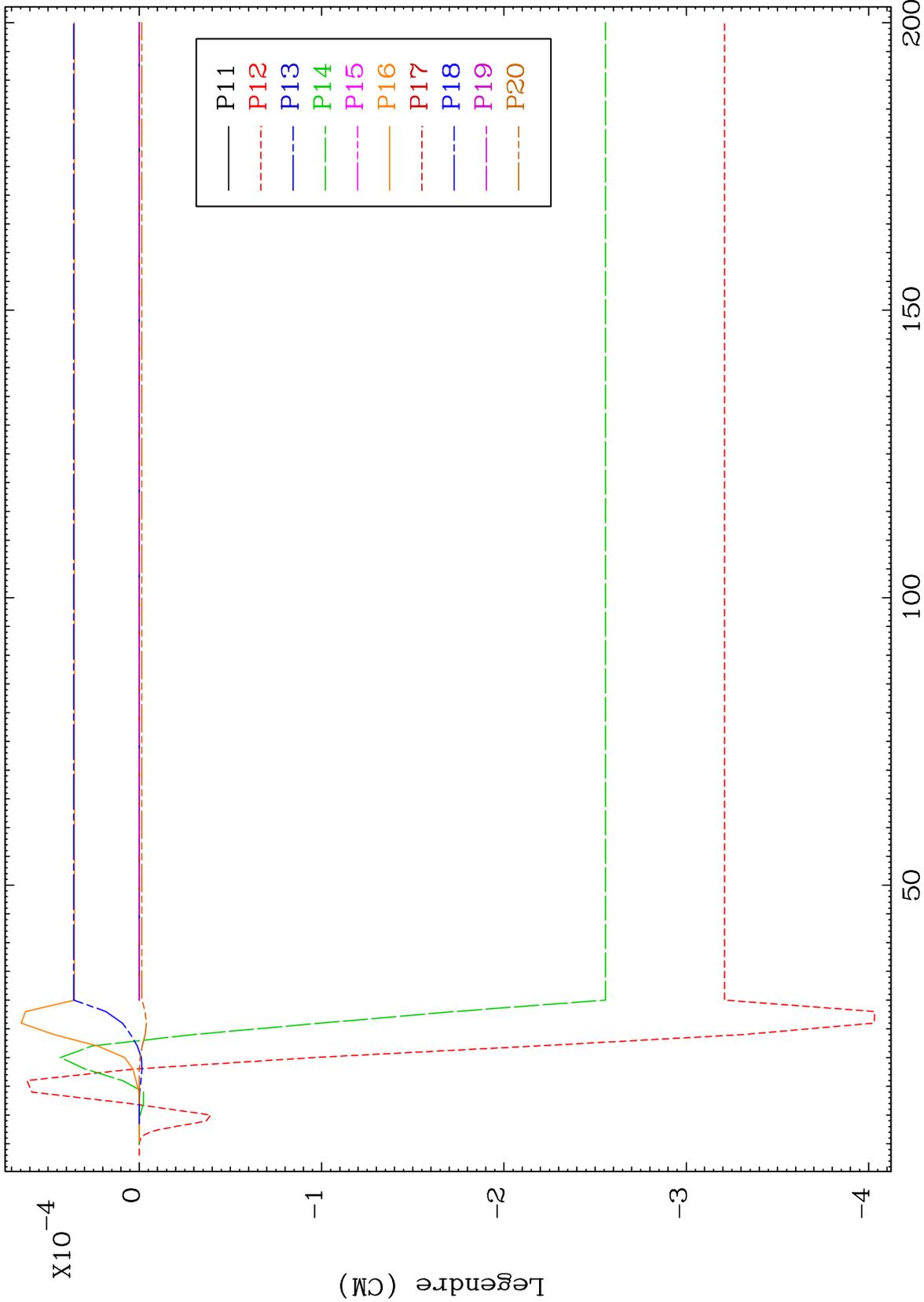
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

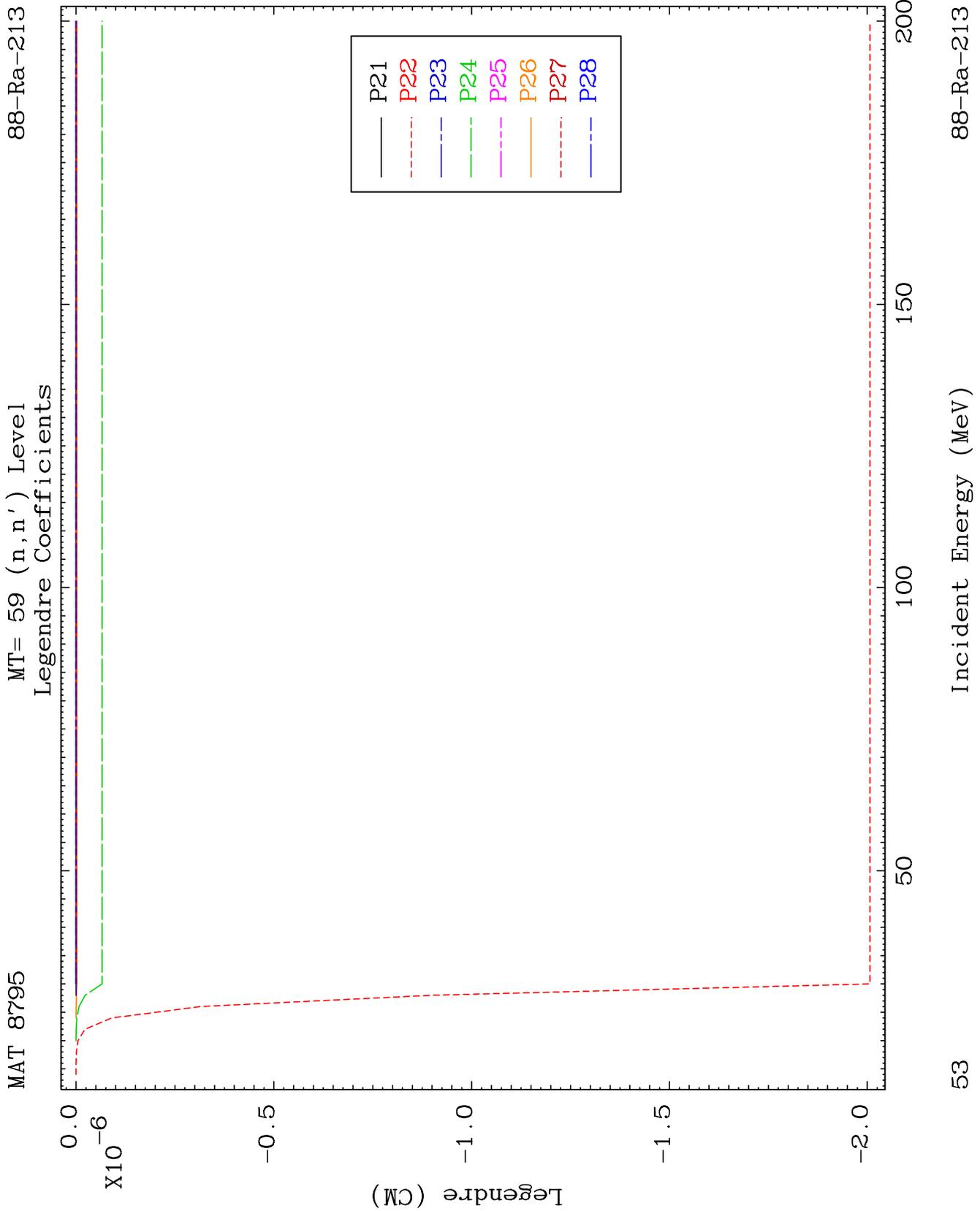
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52

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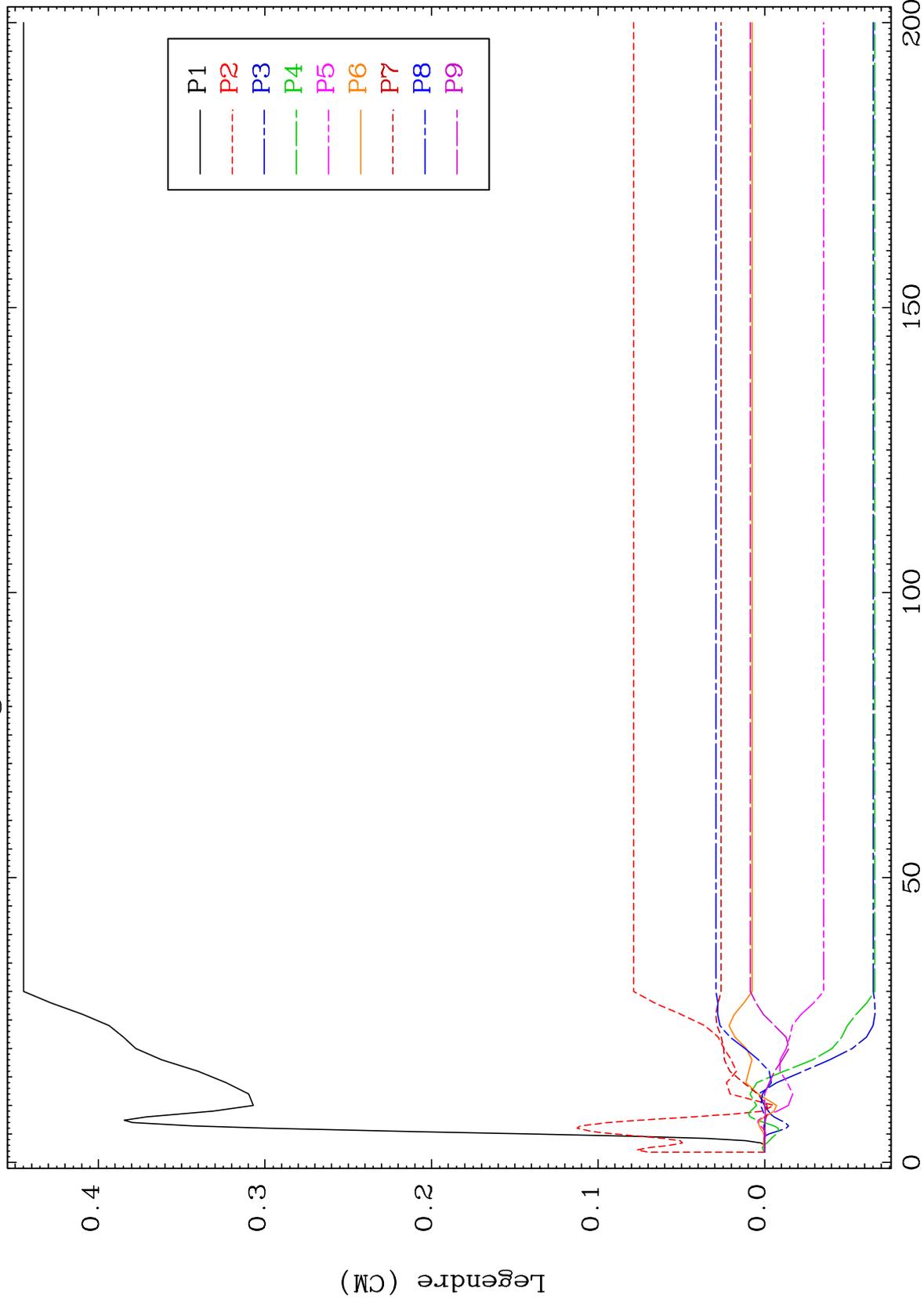
88-Ra-213



MAT 8795

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

88-Ra-213



54

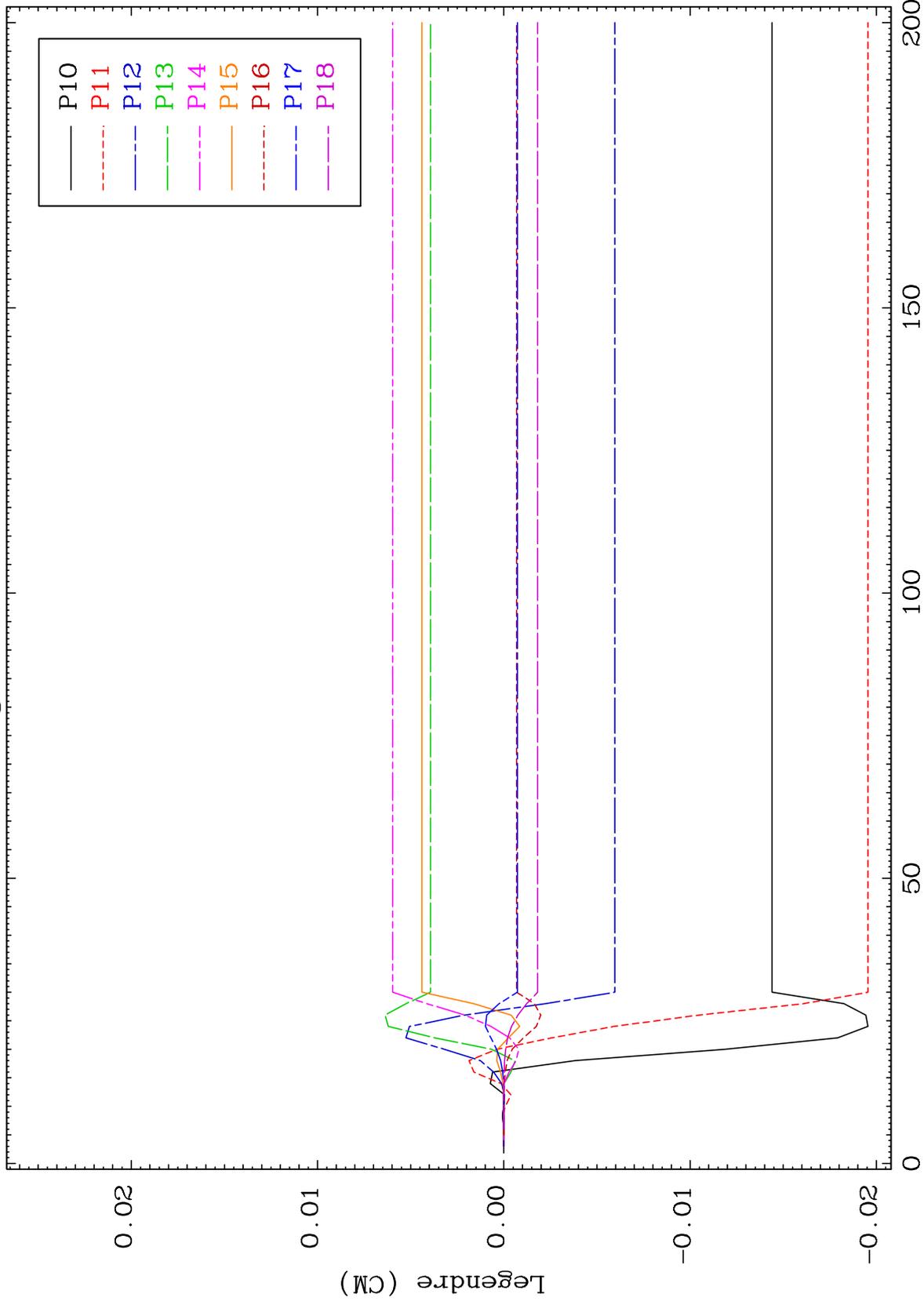
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



55

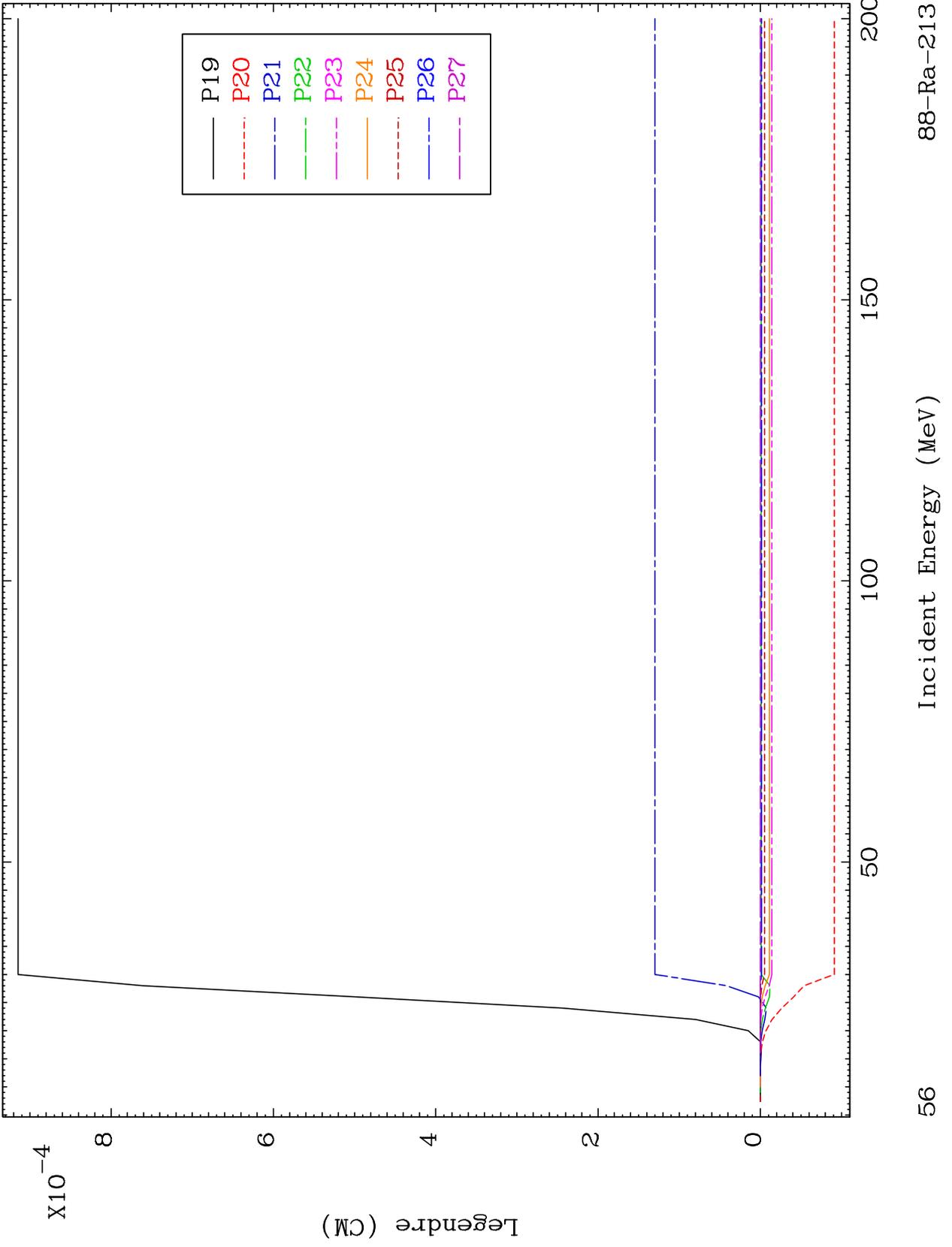
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



56

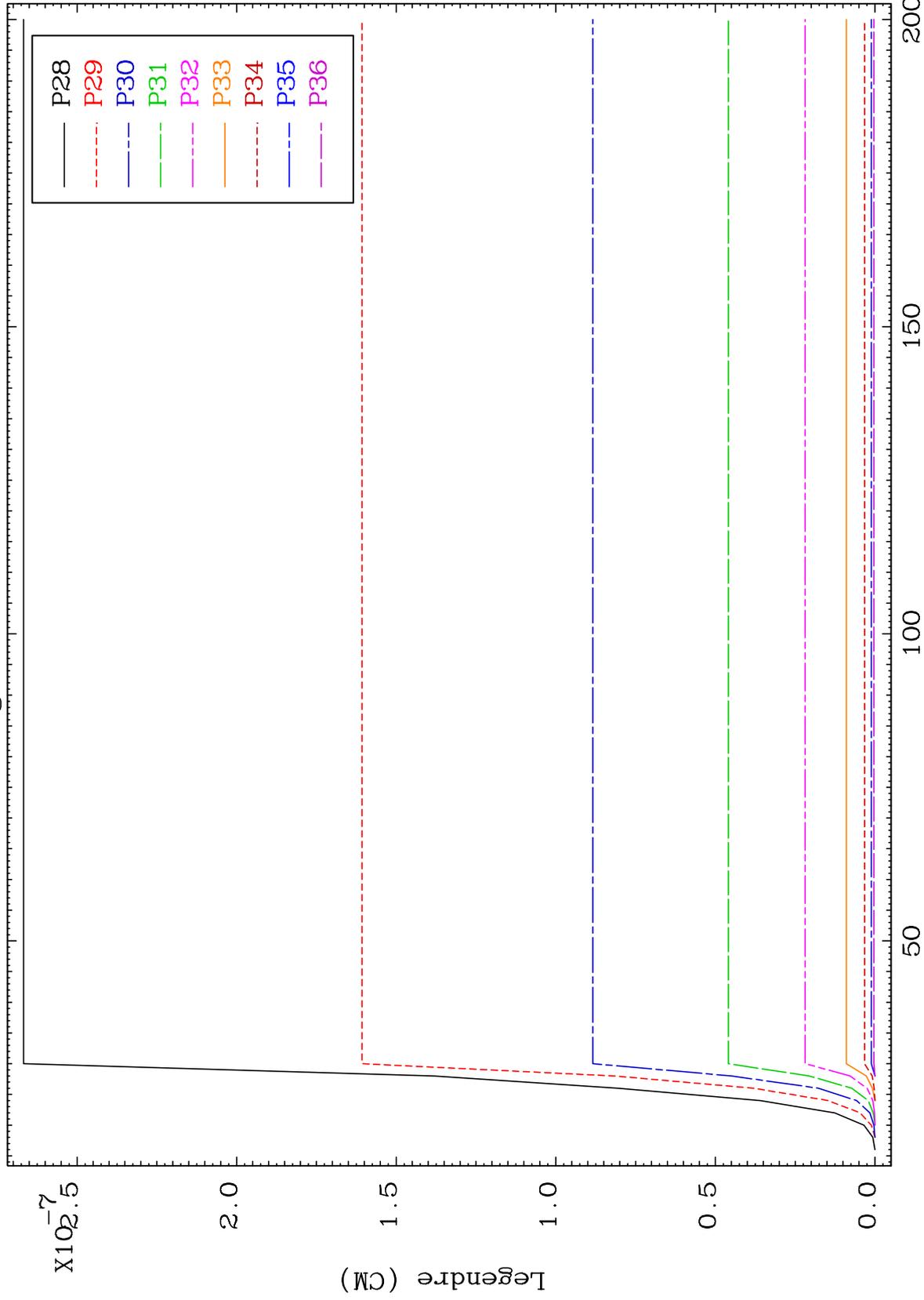
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



57

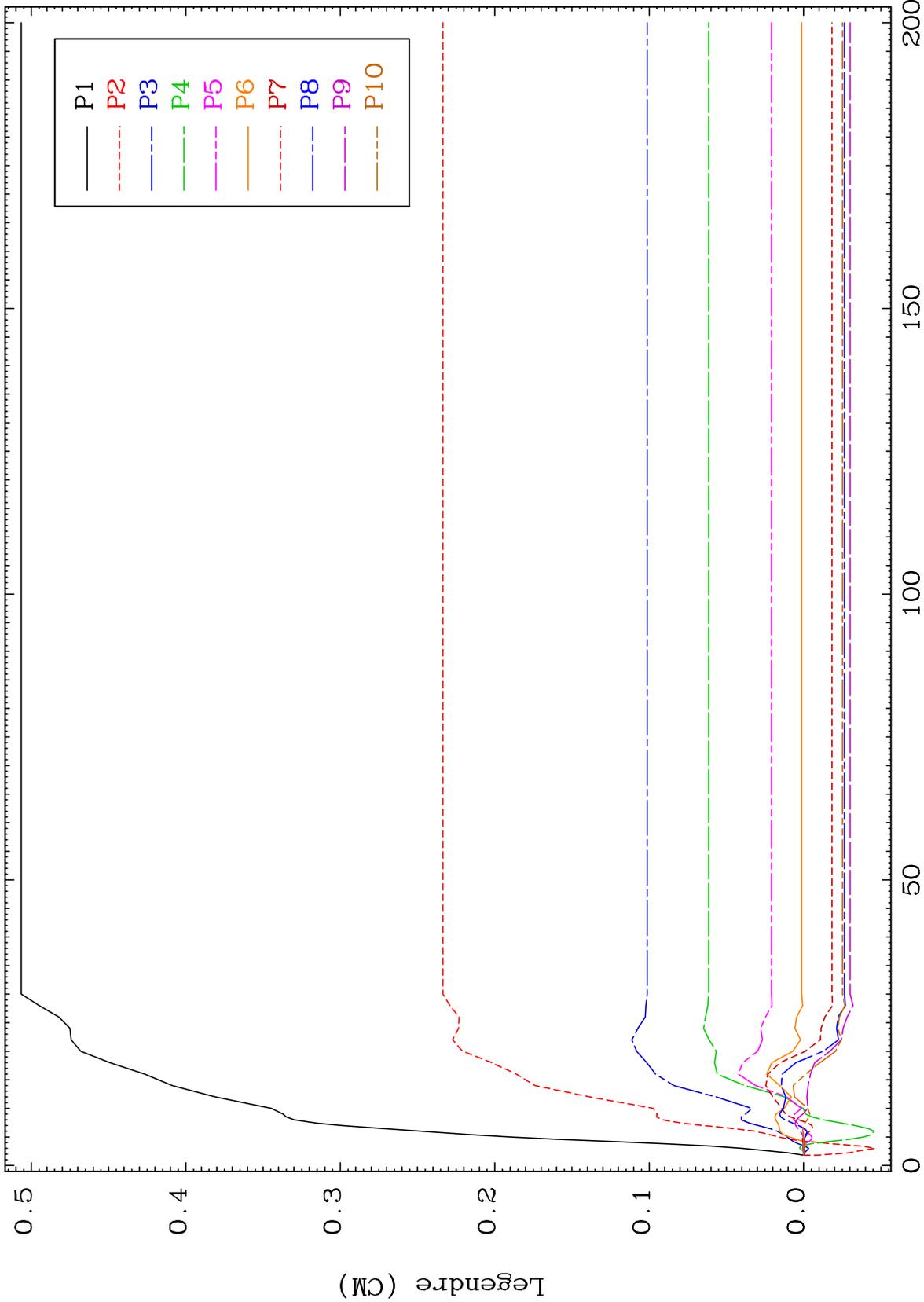
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



88-Ra-213

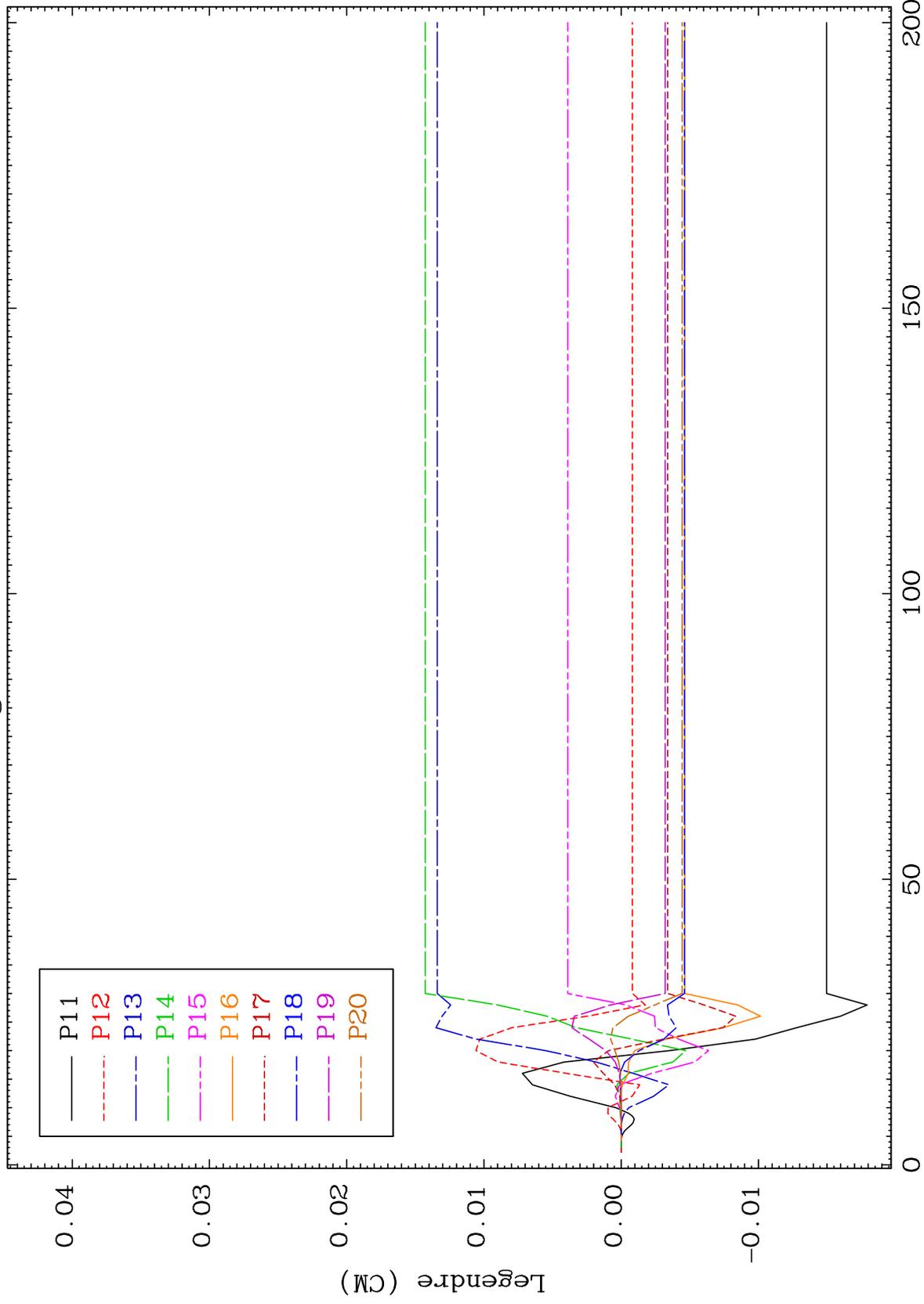
Incident Energy (MeV)

58

MAT 8795

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

88-Ra-213



59

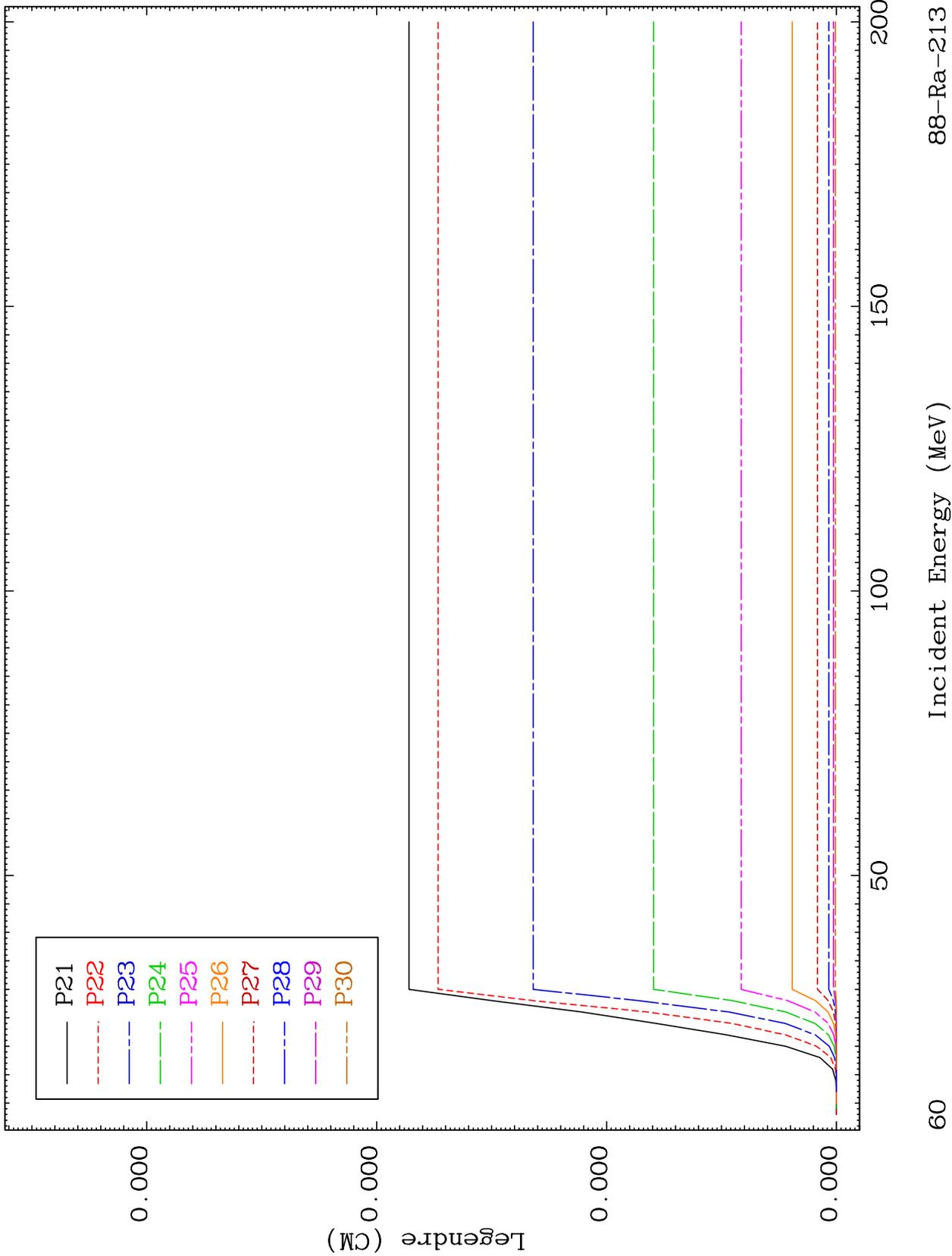
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



88-Ra-213

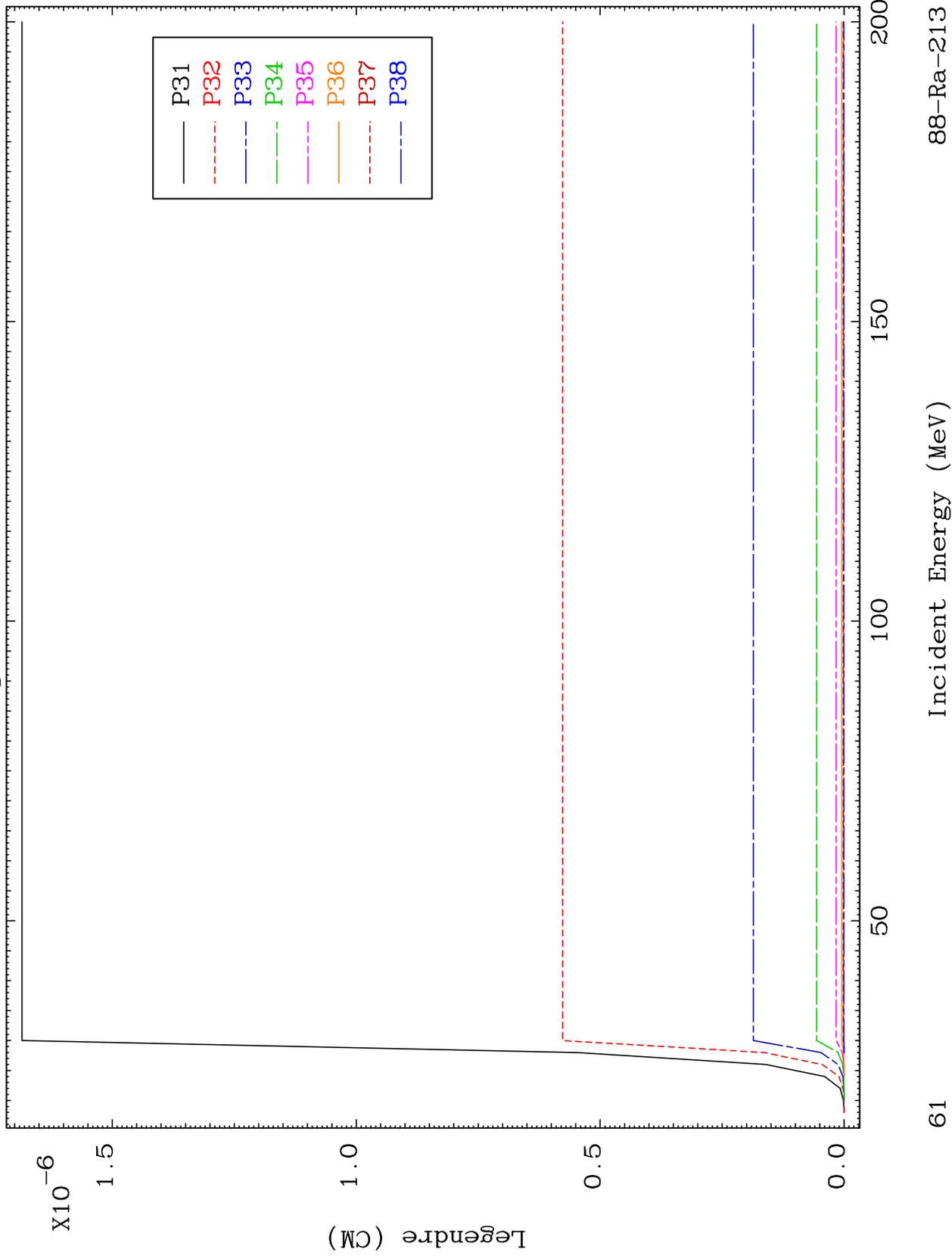
Incident Energy (MeV)

60

MAT 8795

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

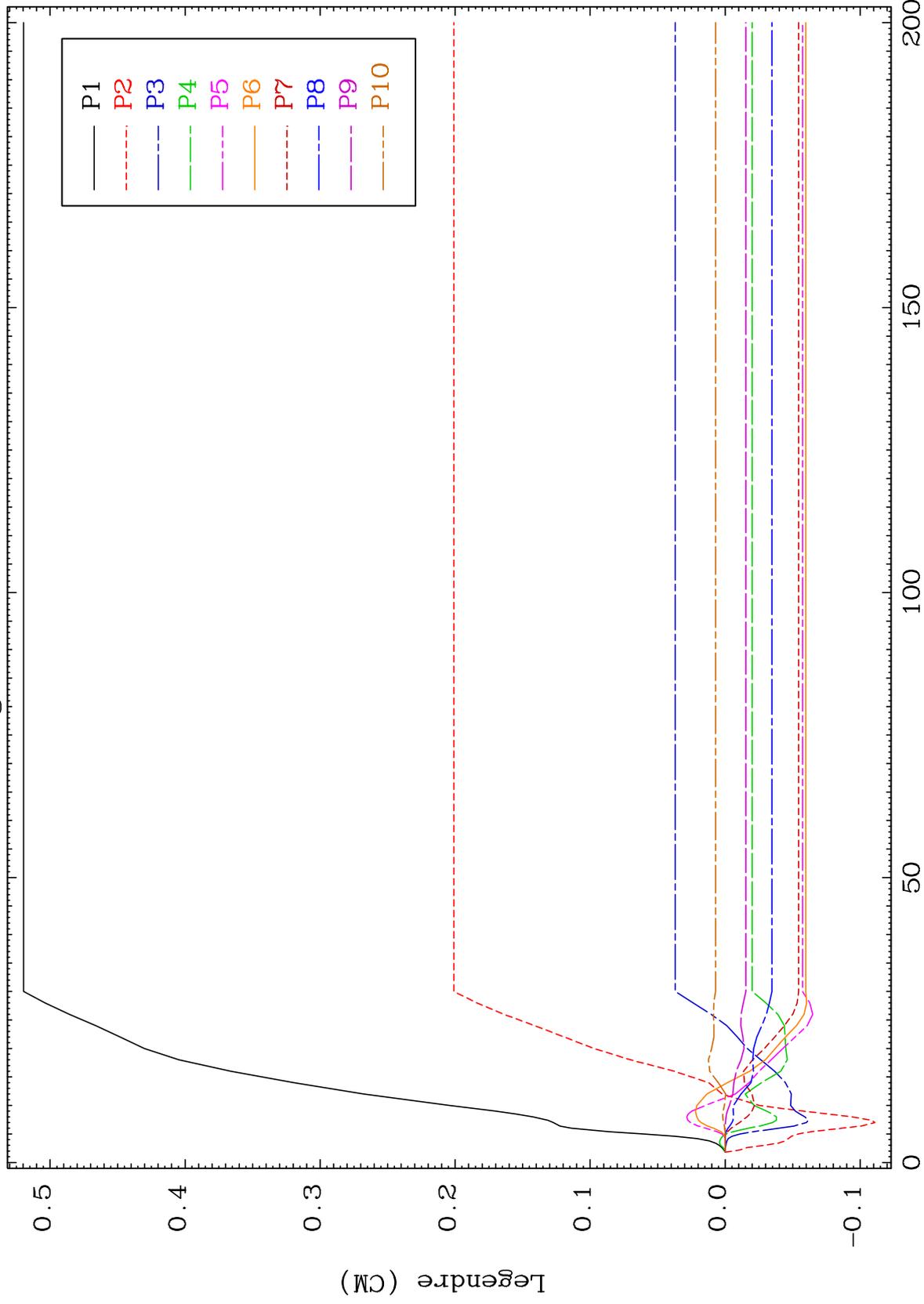
88-Ra-213



MAT 8795

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

88-Ra-213



62

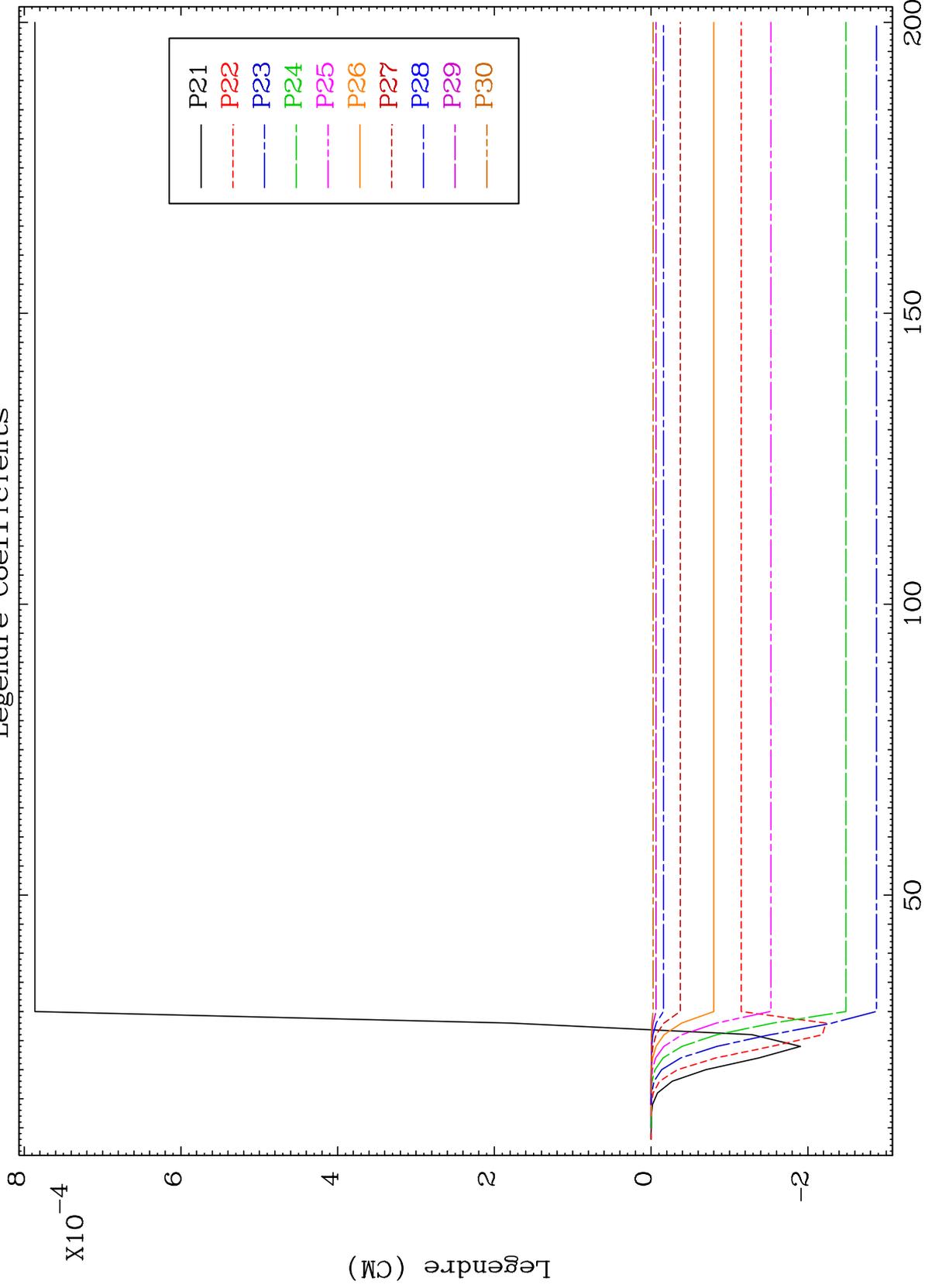
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

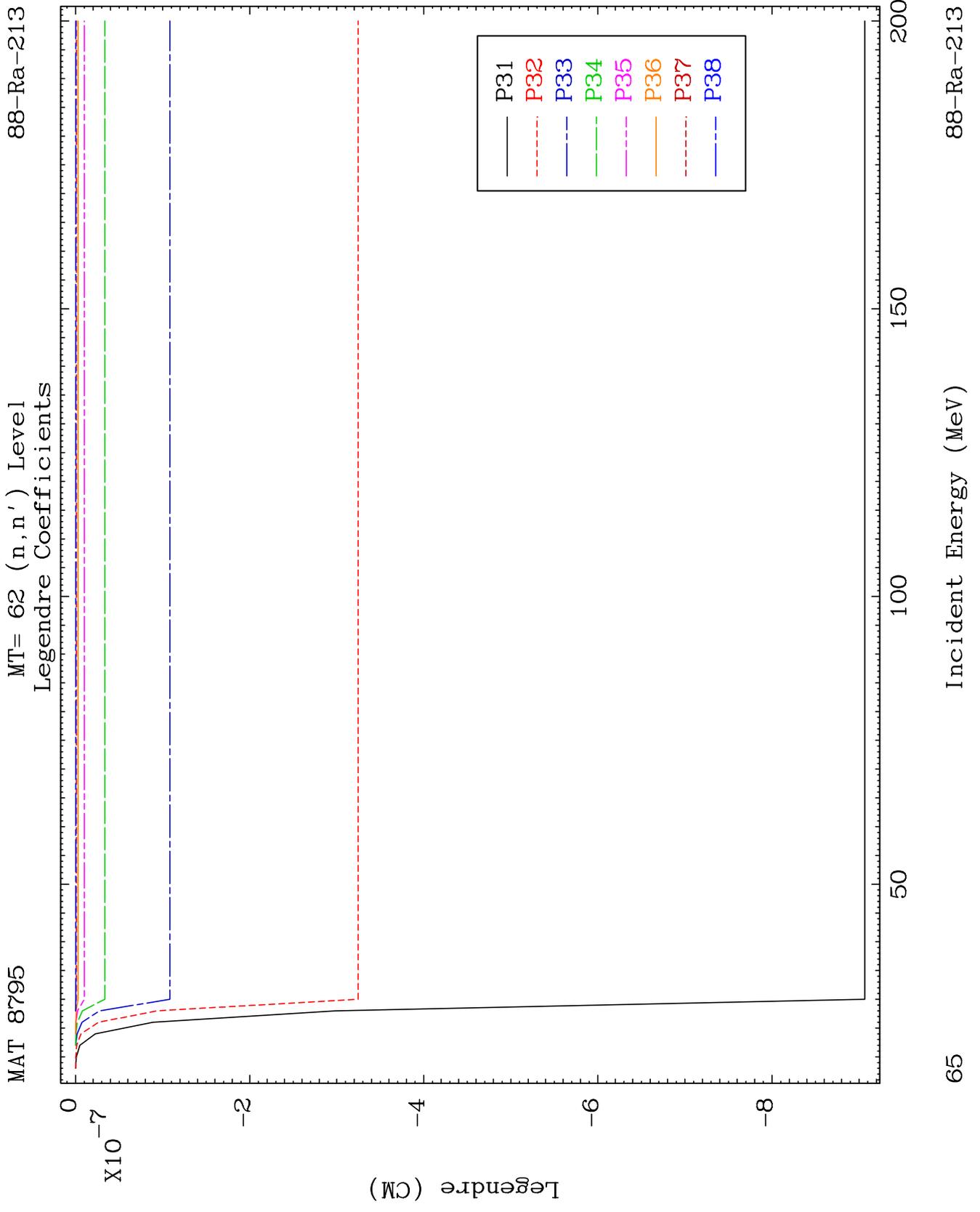
88-Ra-213



64

Incident Energy (MeV)

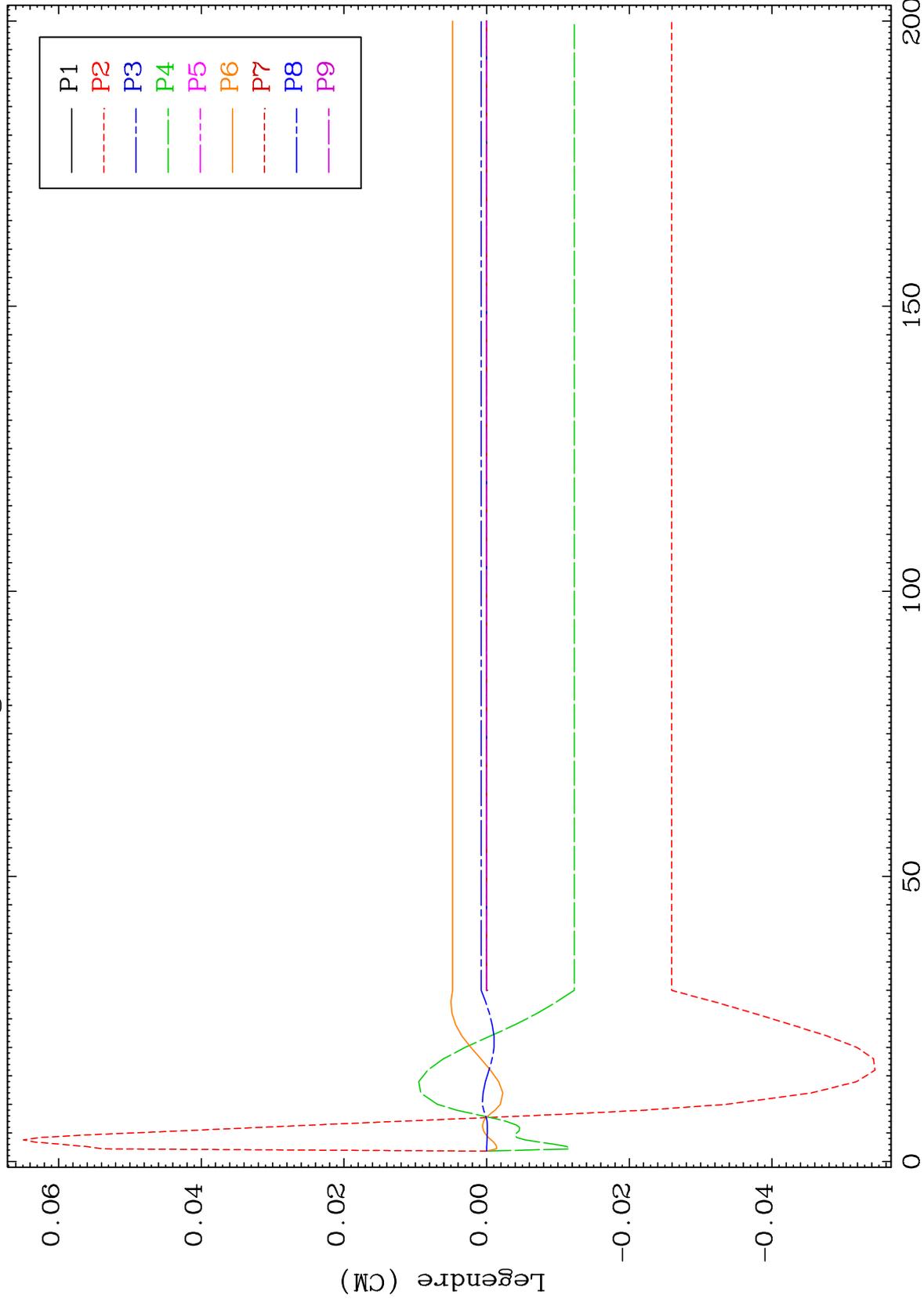
88-Ra-213



MAT 8795

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

88-Ra-213



88-Ra-213

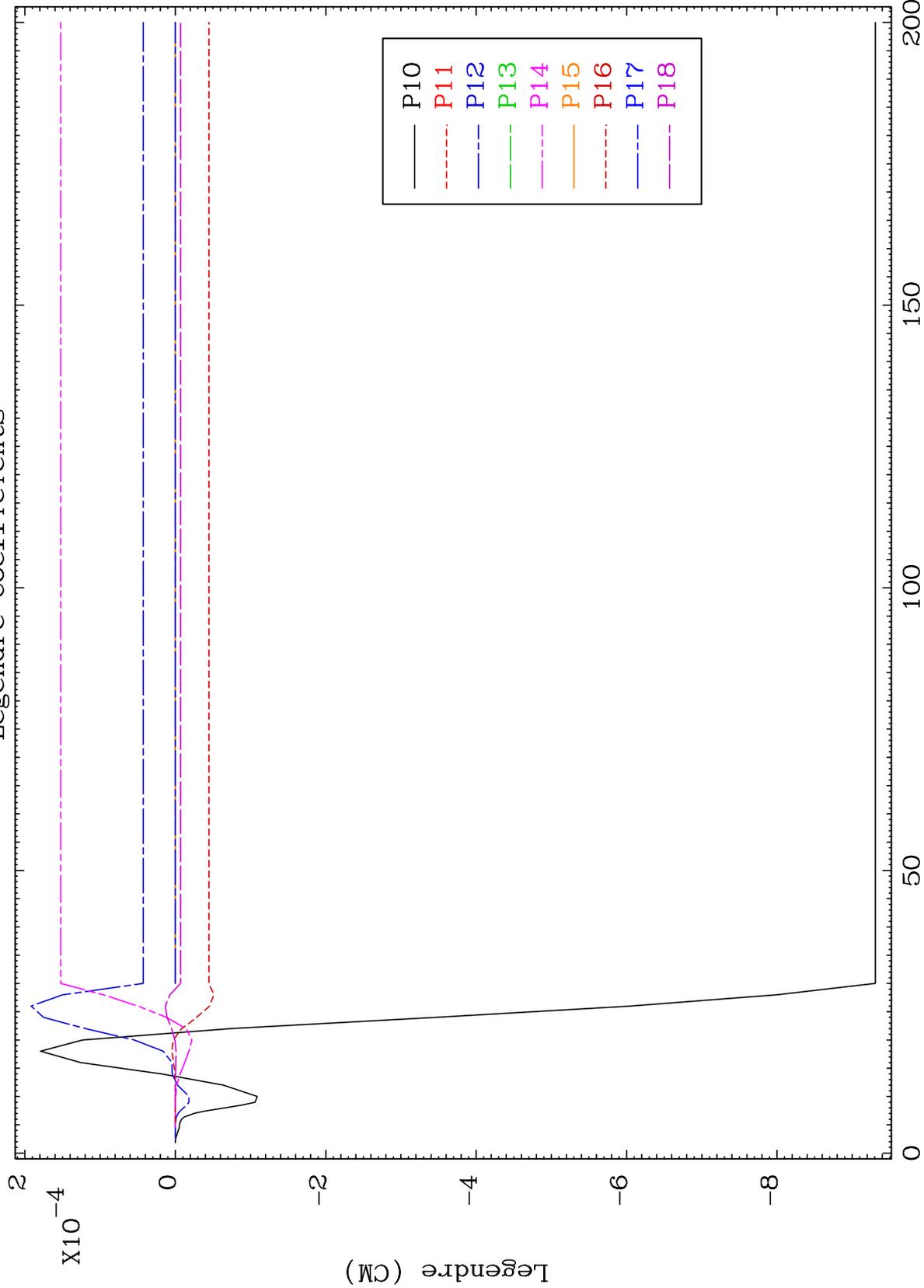
Incident Energy (MeV)

66

MAT 8795

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

88-Ra-213



67

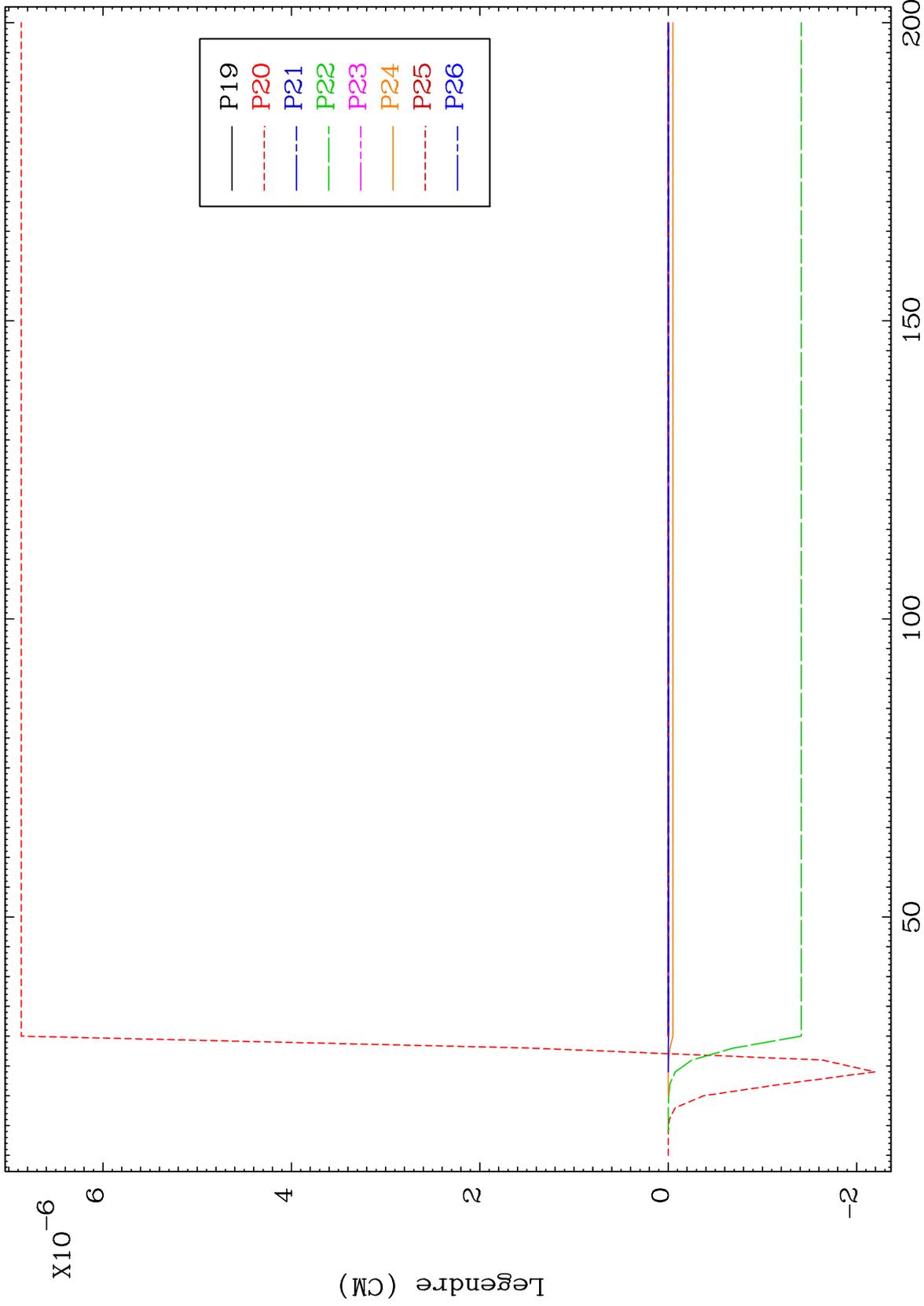
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



68

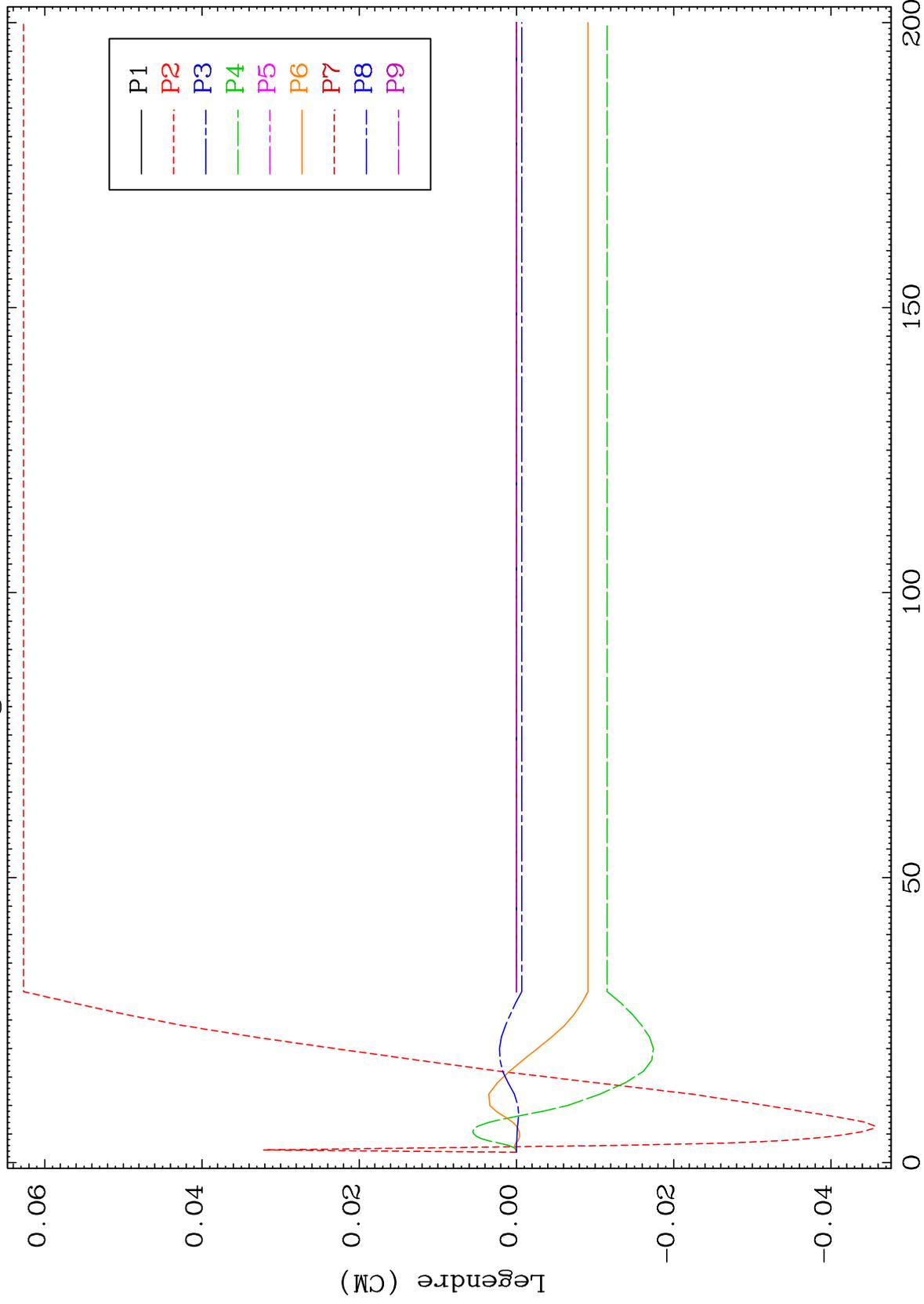
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



69

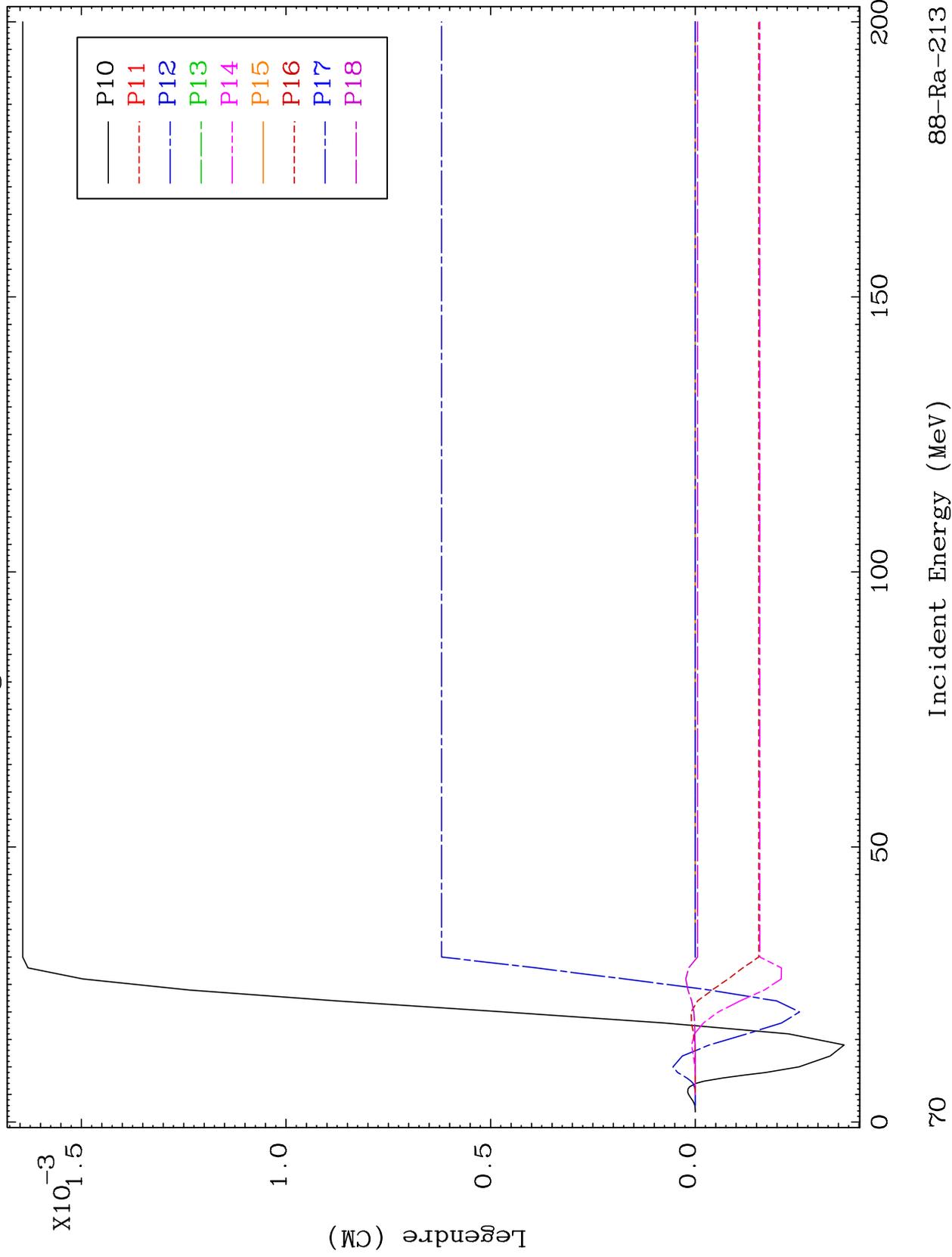
Incident Energy (MeV)

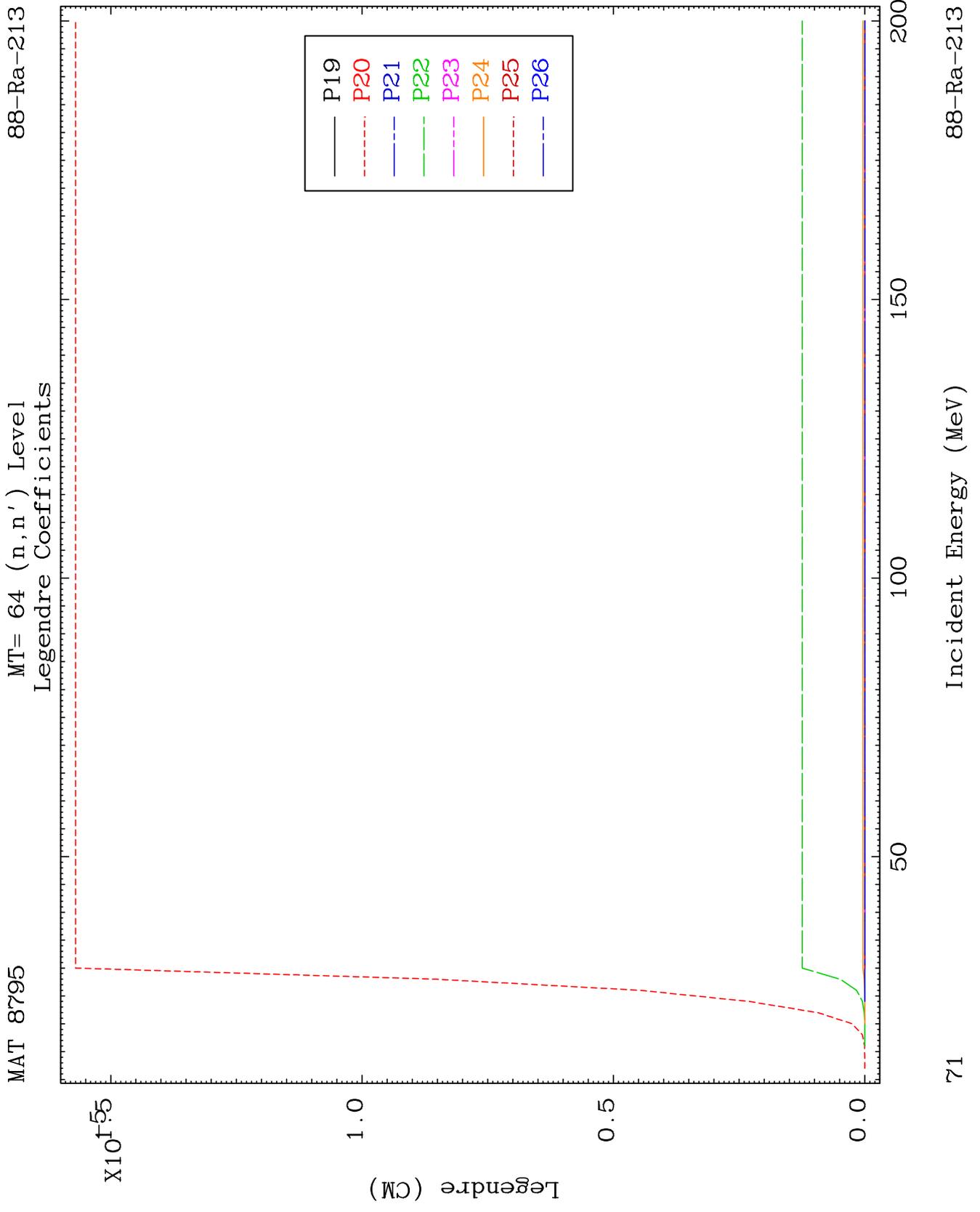
88-Ra-213

MAT 8795

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

88-Ra-213

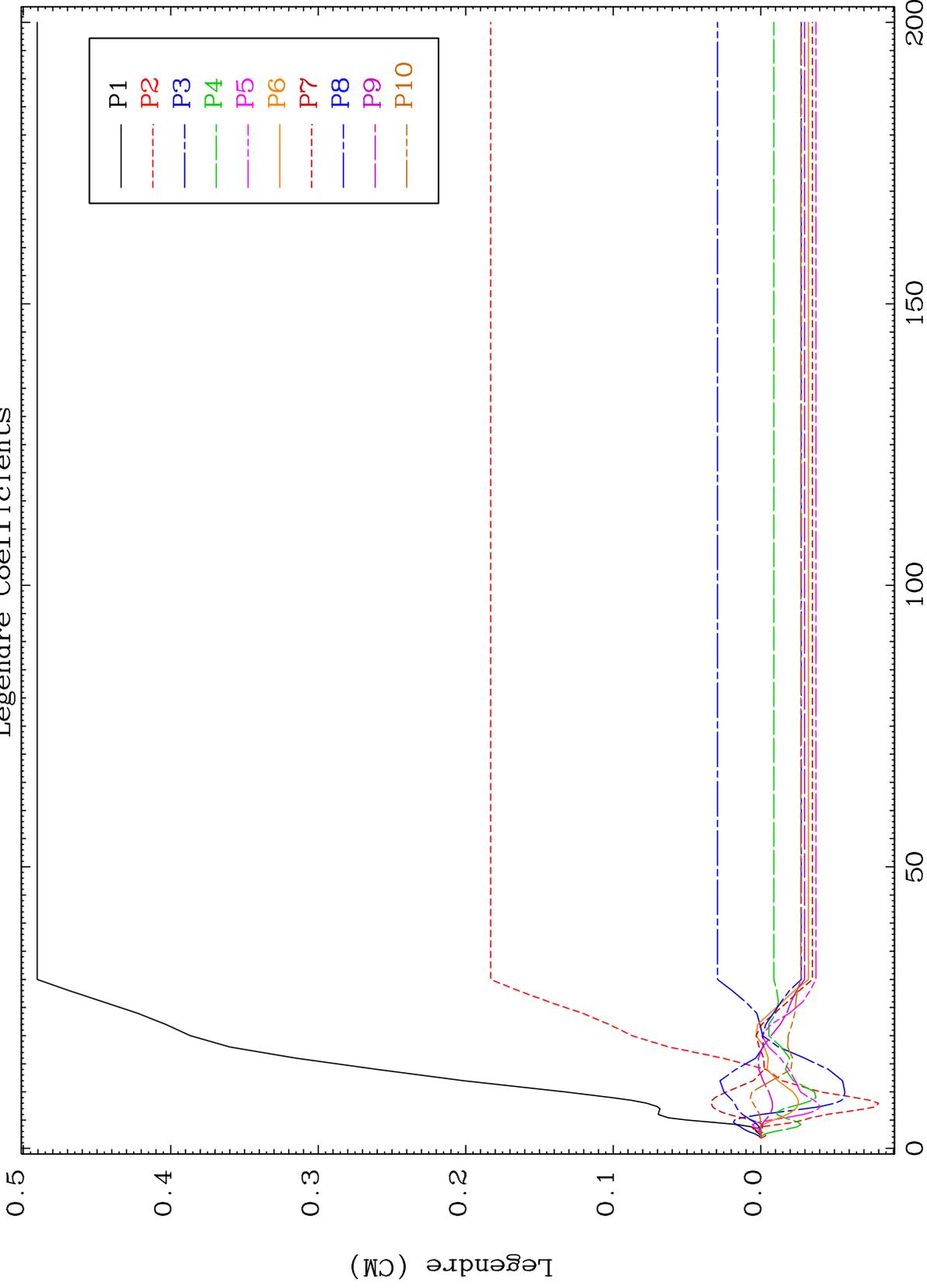




MAT 8795

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

88-Ra-213



72

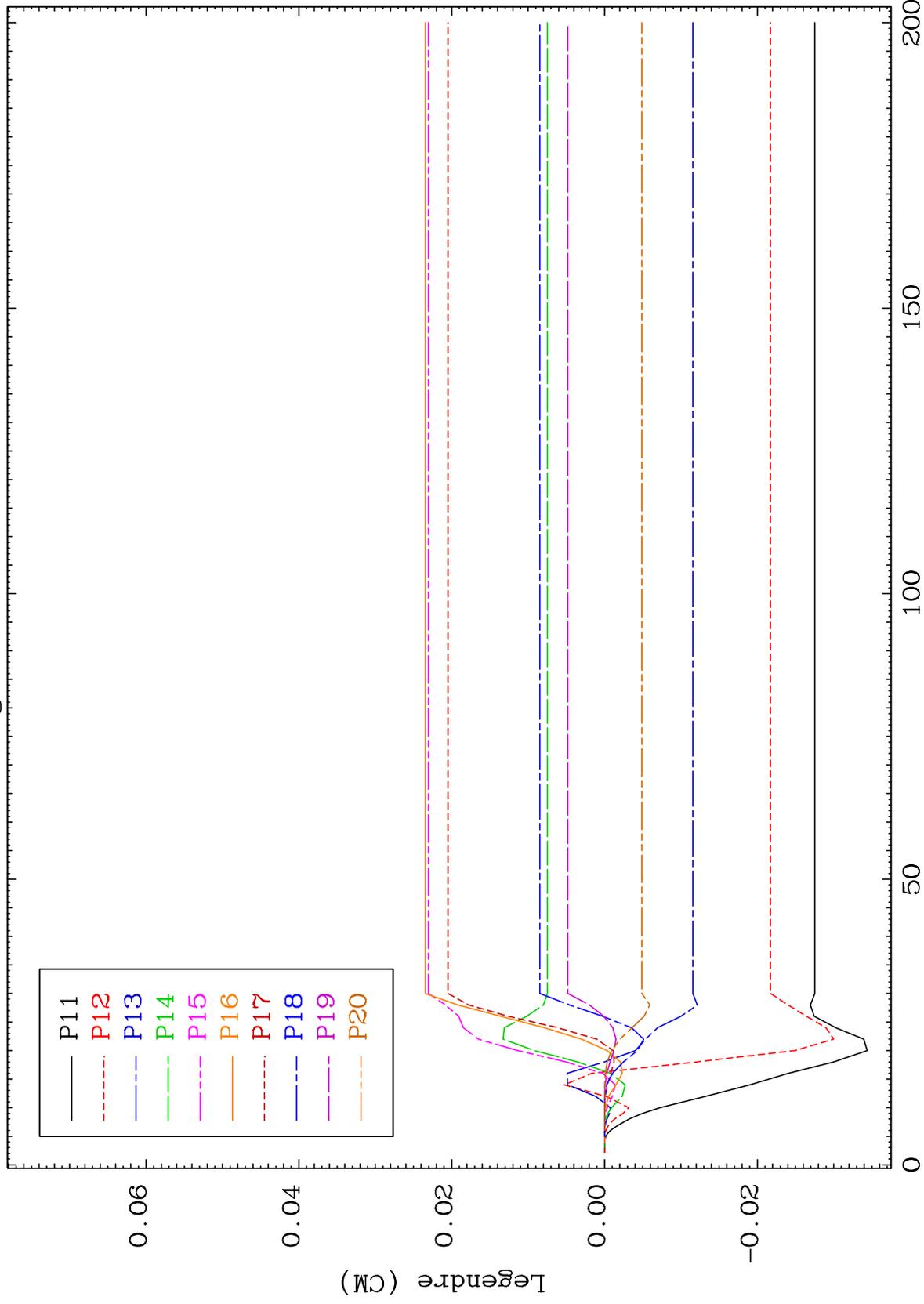
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



73

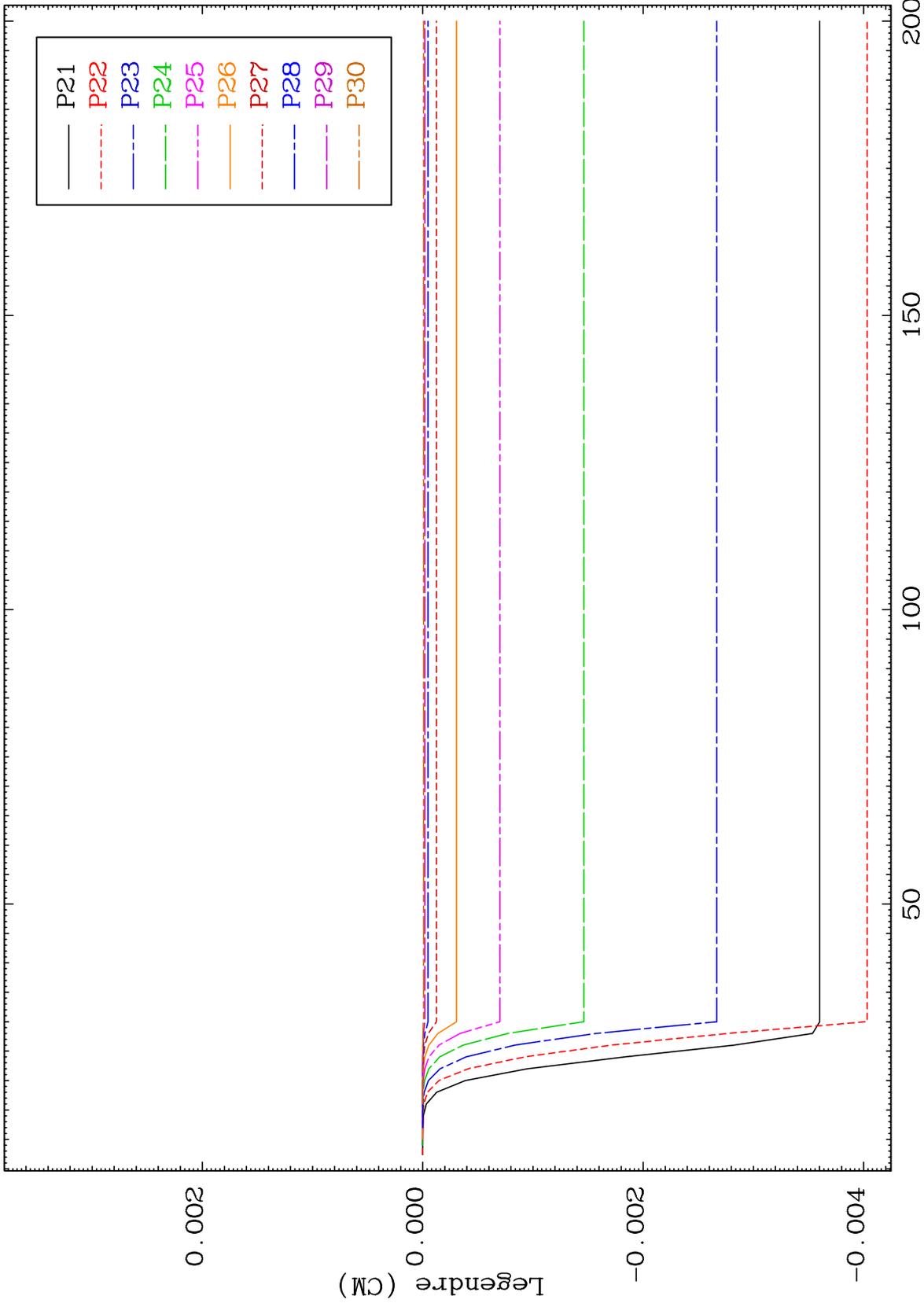
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

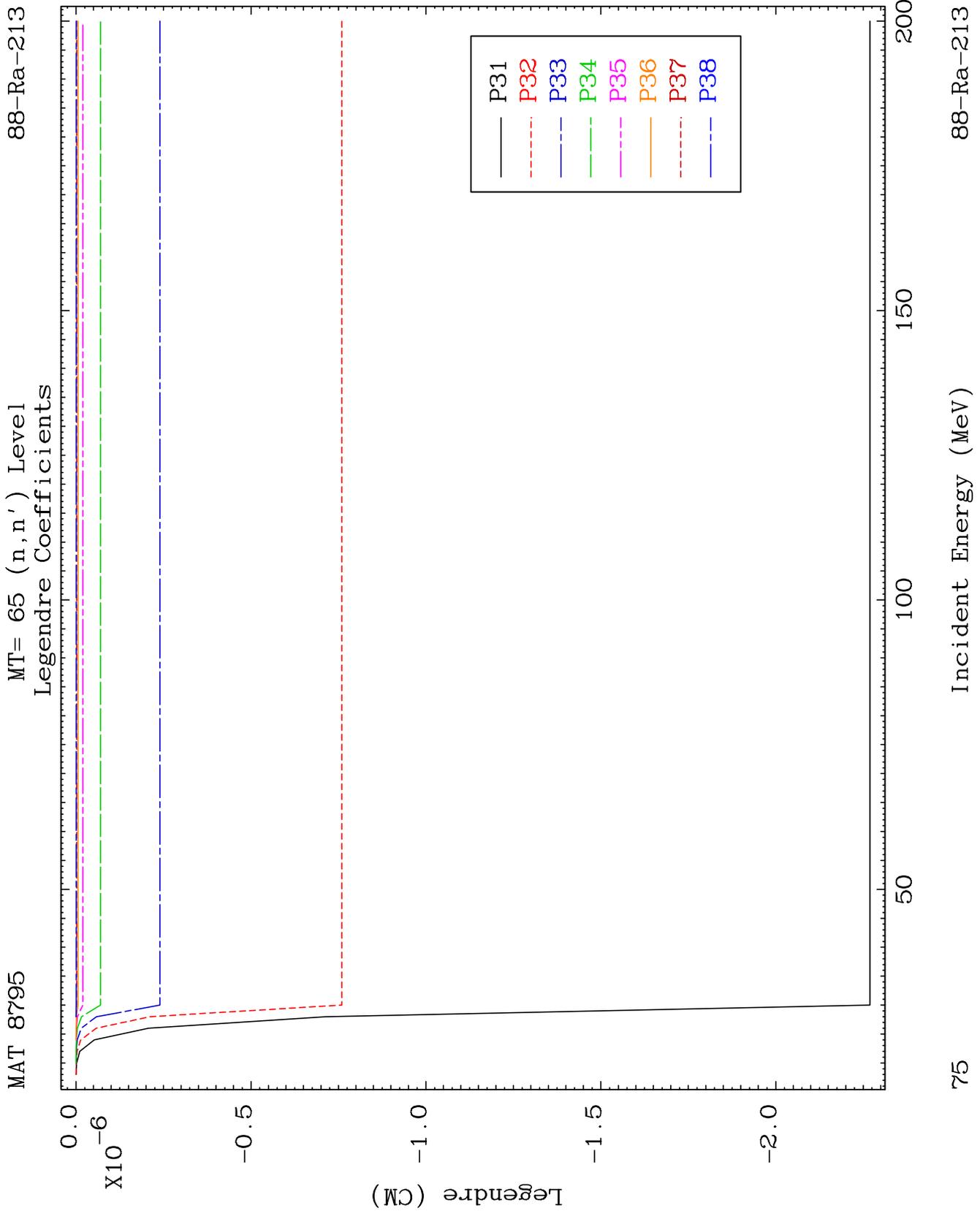
88-Ra-213



74

Incident Energy (MeV)

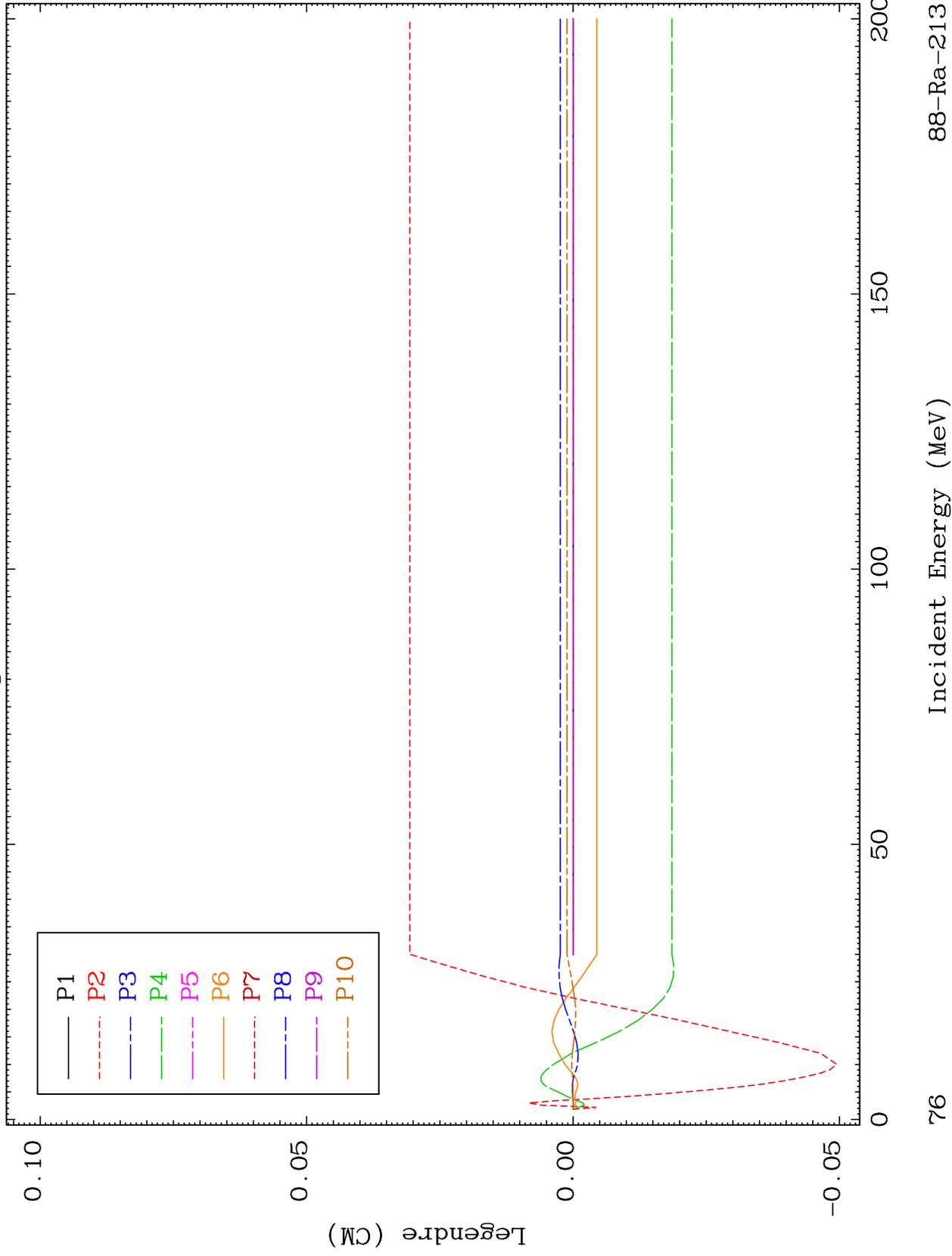
88-Ra-213



MAT 8795

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

88-Ra-213



76

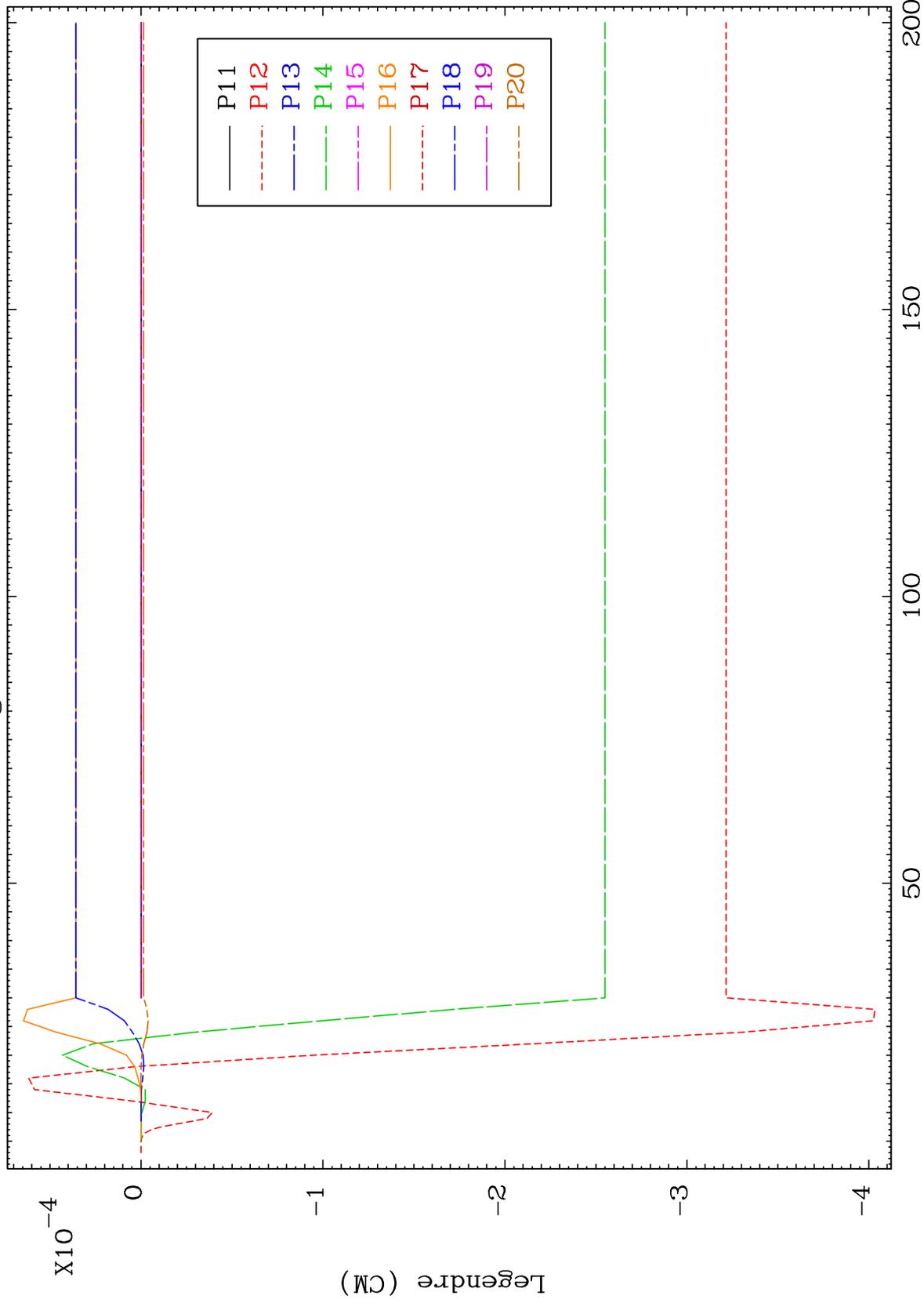
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

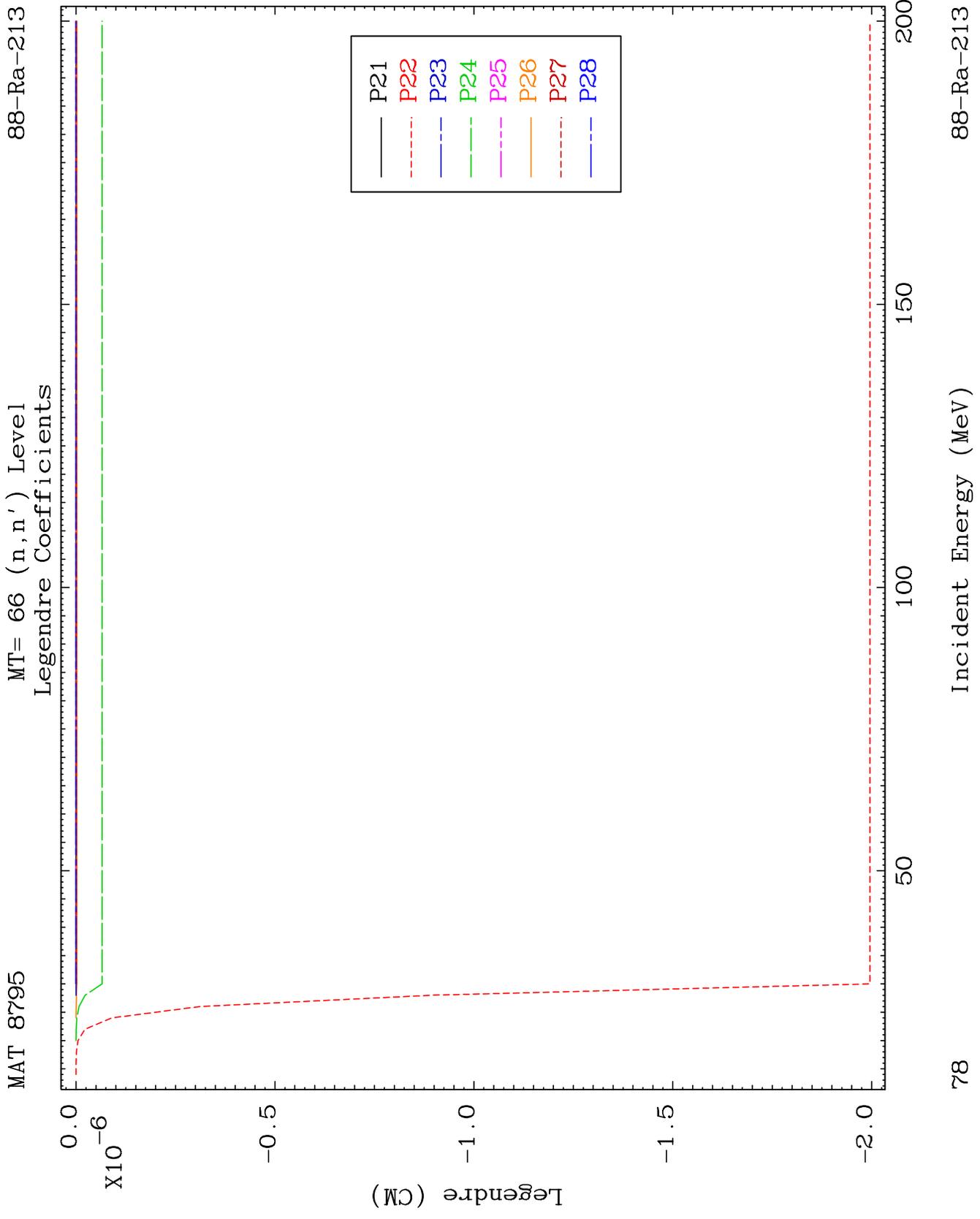
88-Ra-213



77

Incident Energy (MeV)

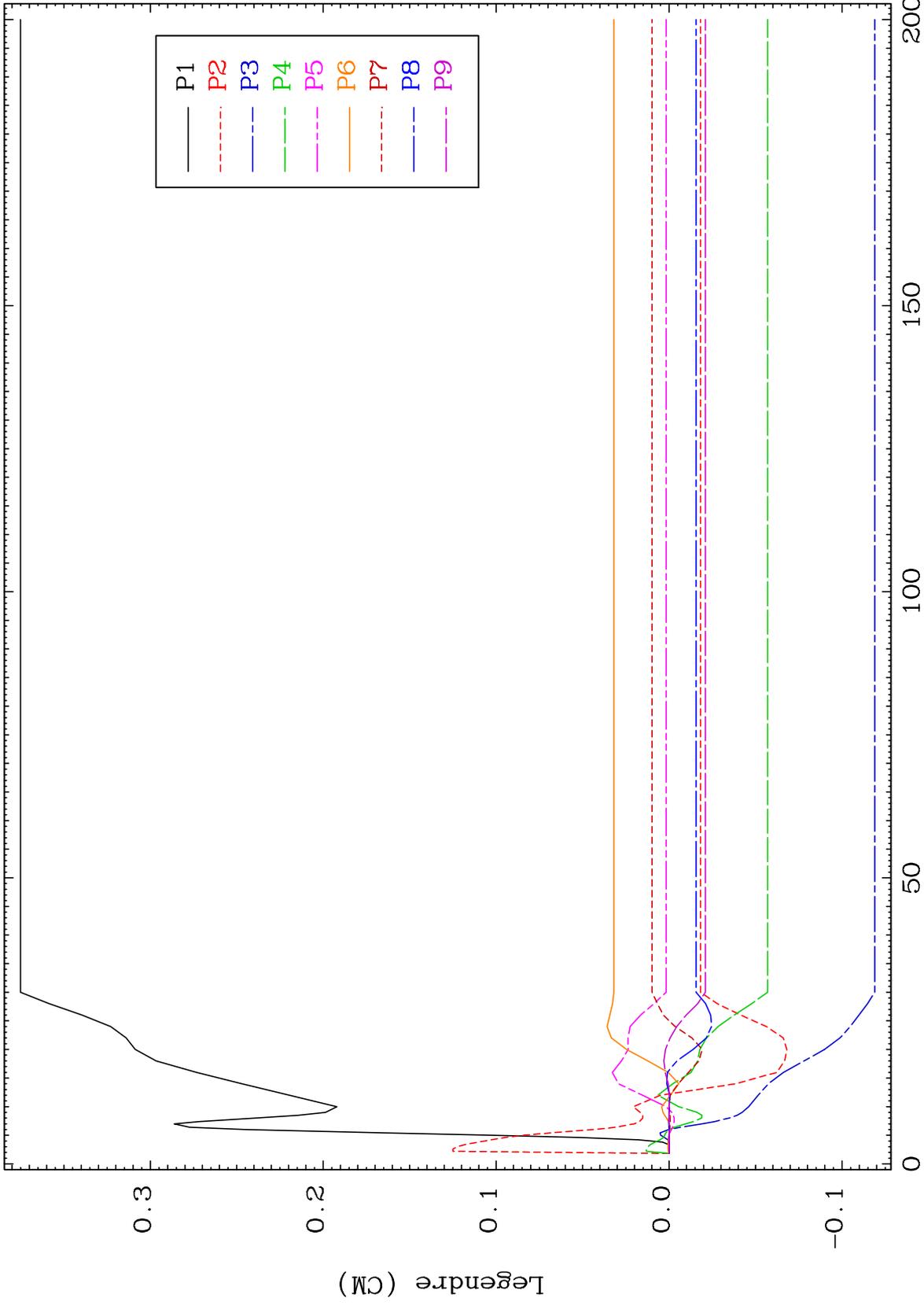
88-Ra-213



MAT 8795

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

88-Ra-213



79

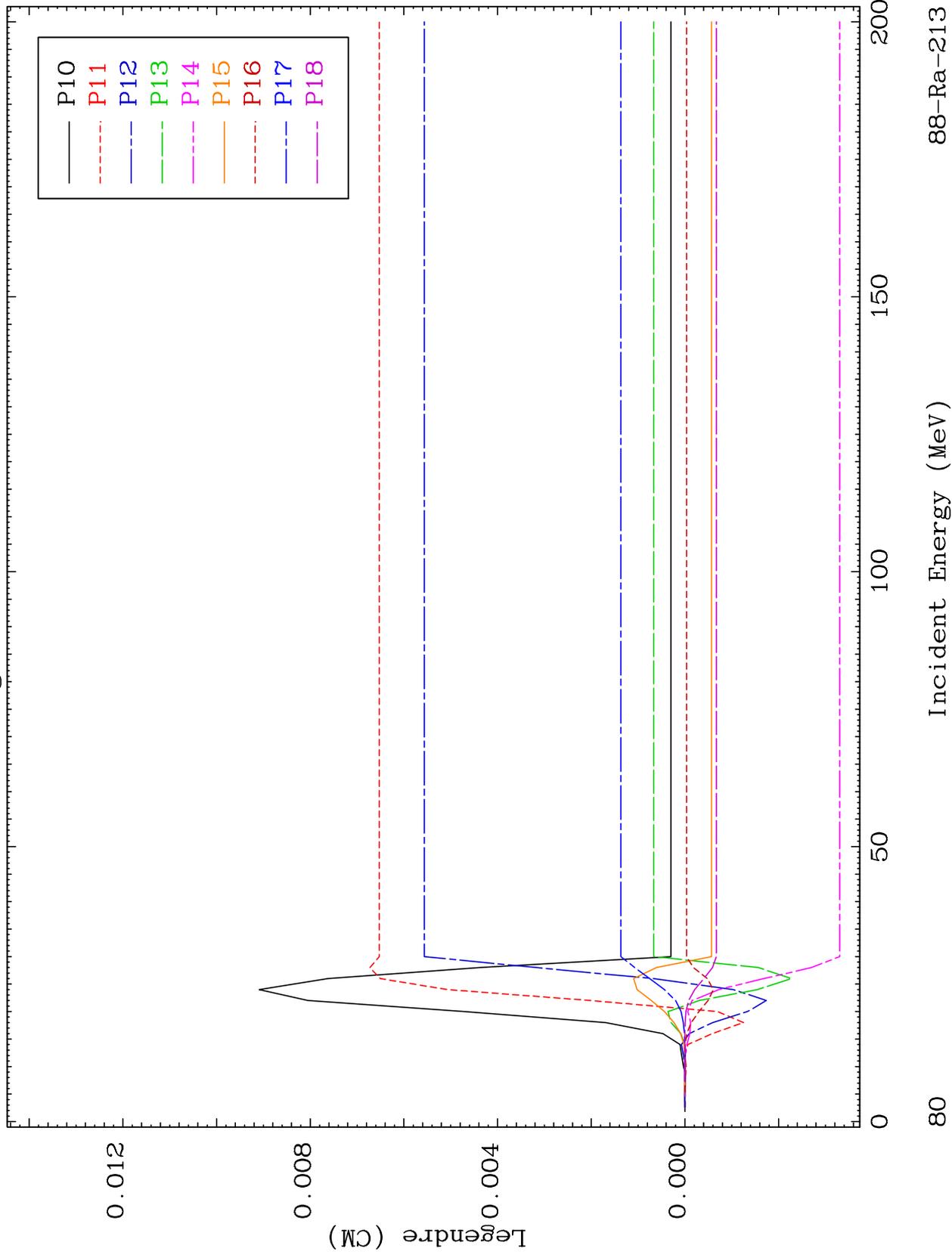
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



88-Ra-213

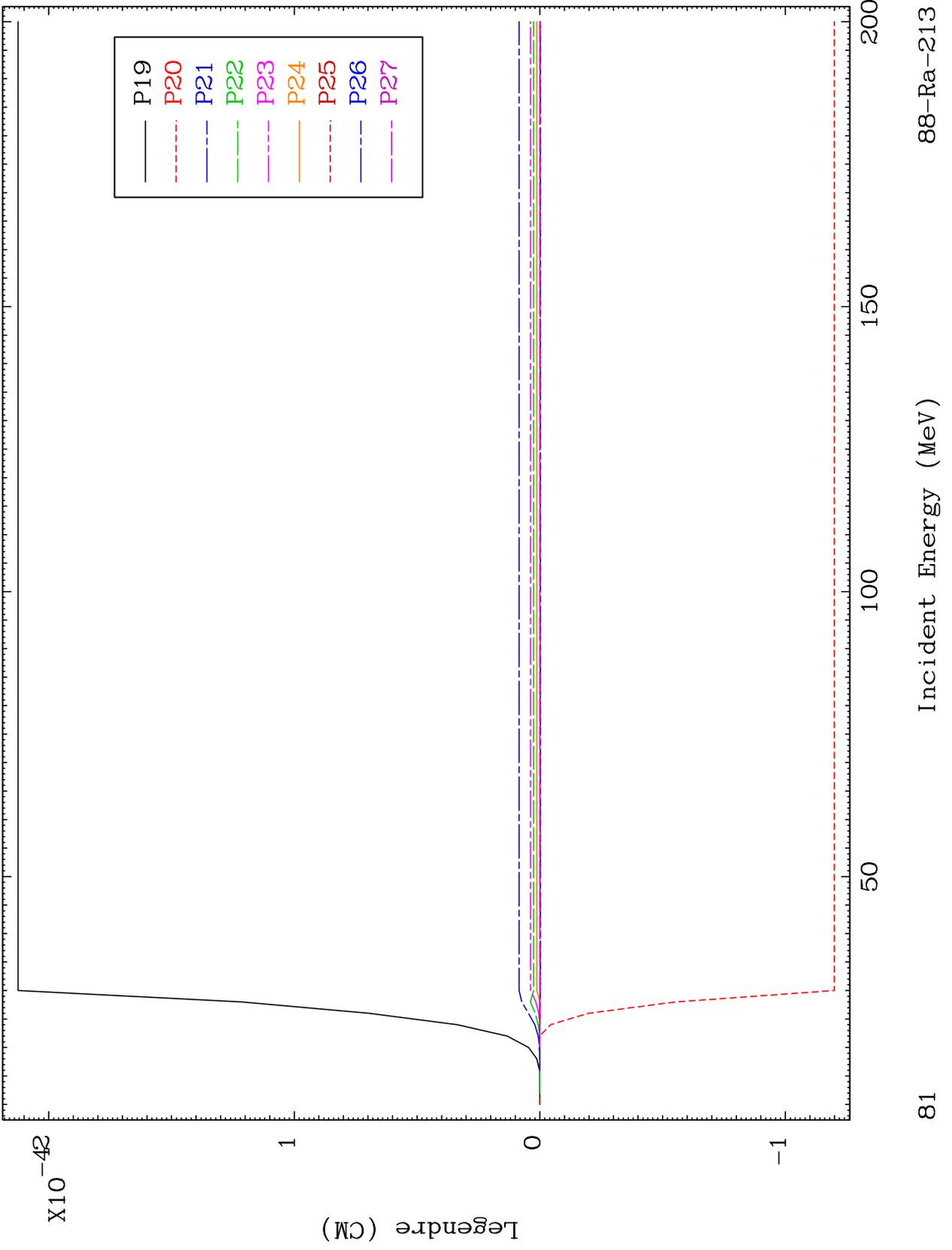
Incident Energy (MeV)

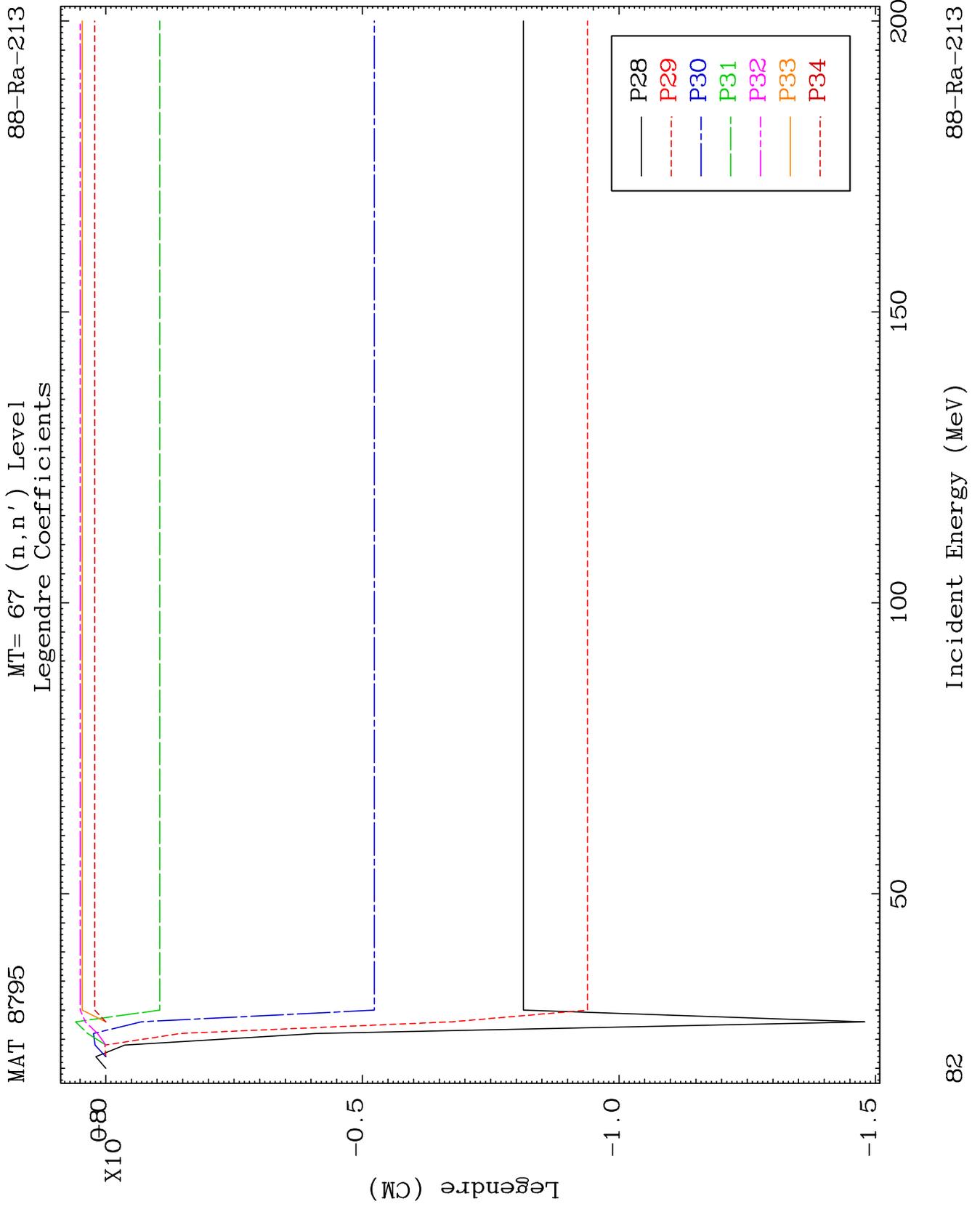
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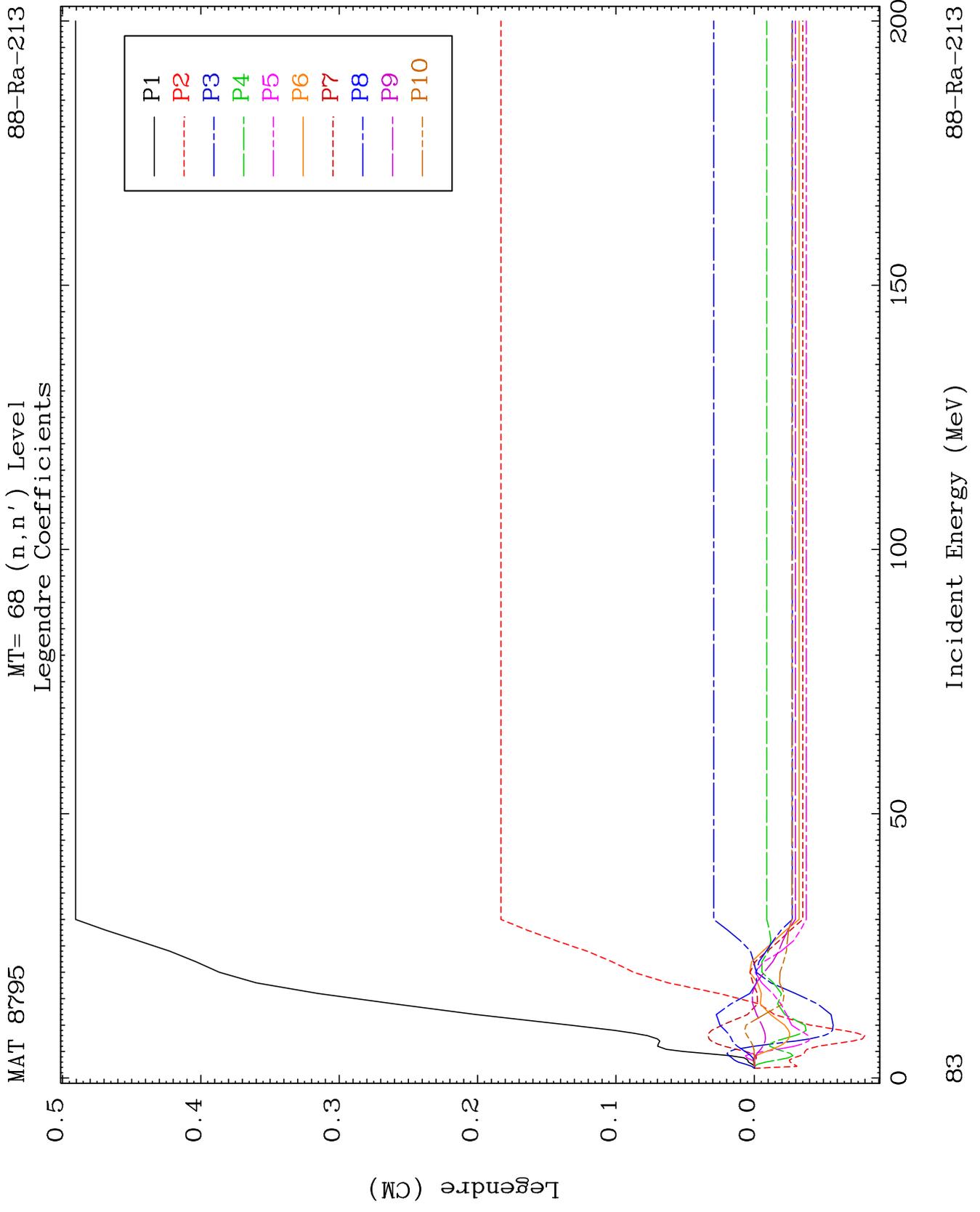
MAT 8795

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

88-Ra-213



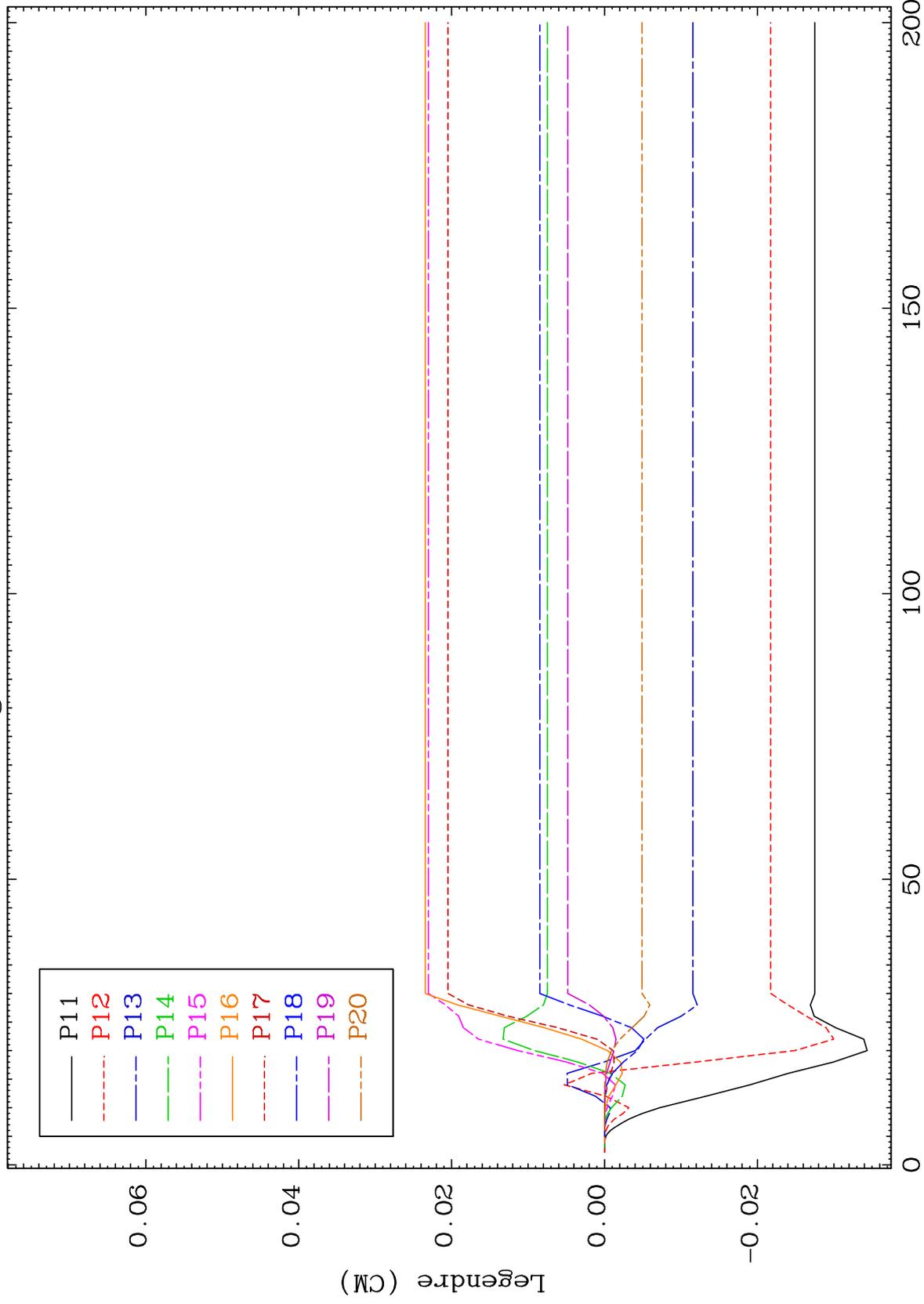




MAT 8795

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

88-Ra-213



84

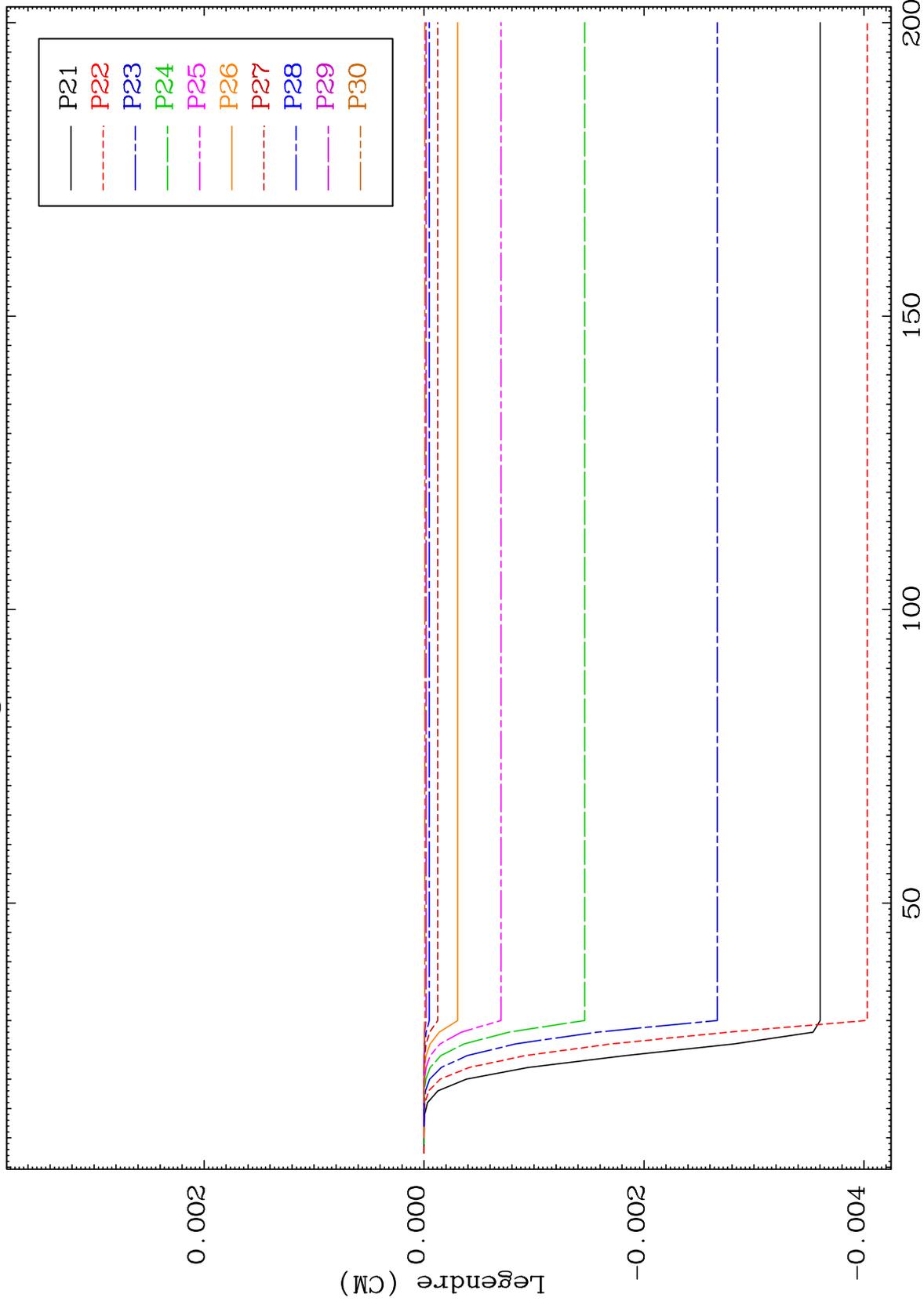
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



85

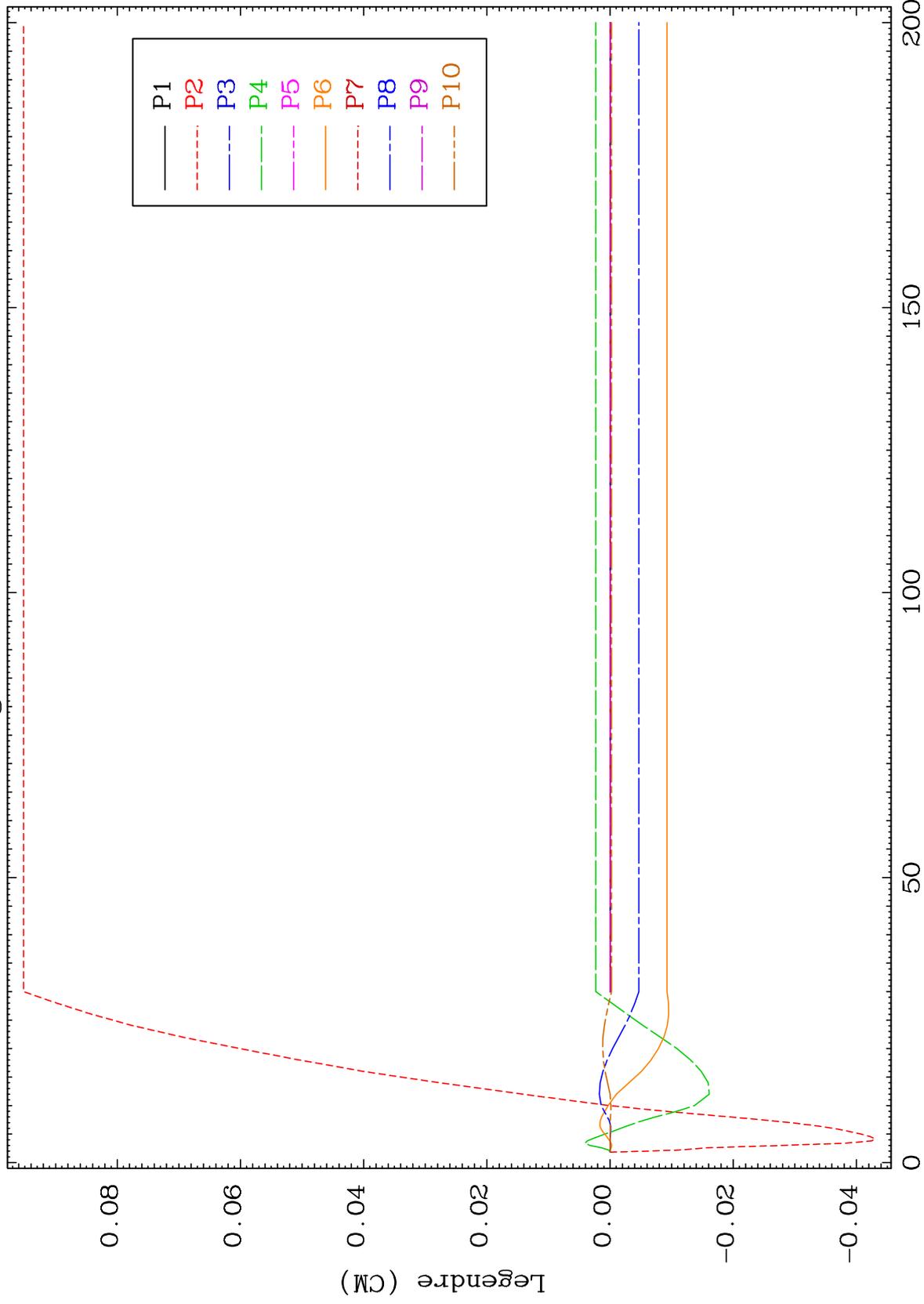
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

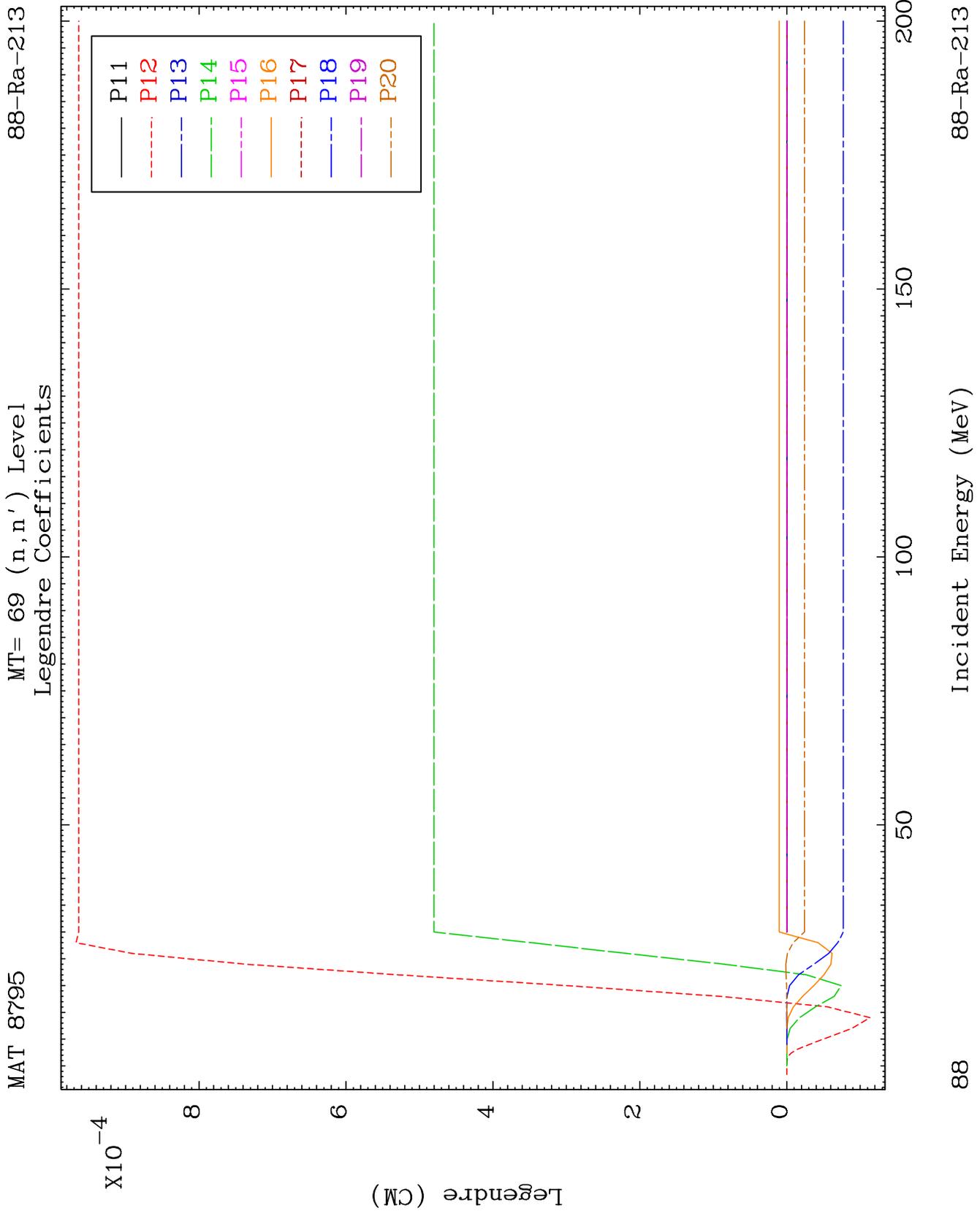
88-Ra-213



88-Ra-213

Incident Energy (MeV)

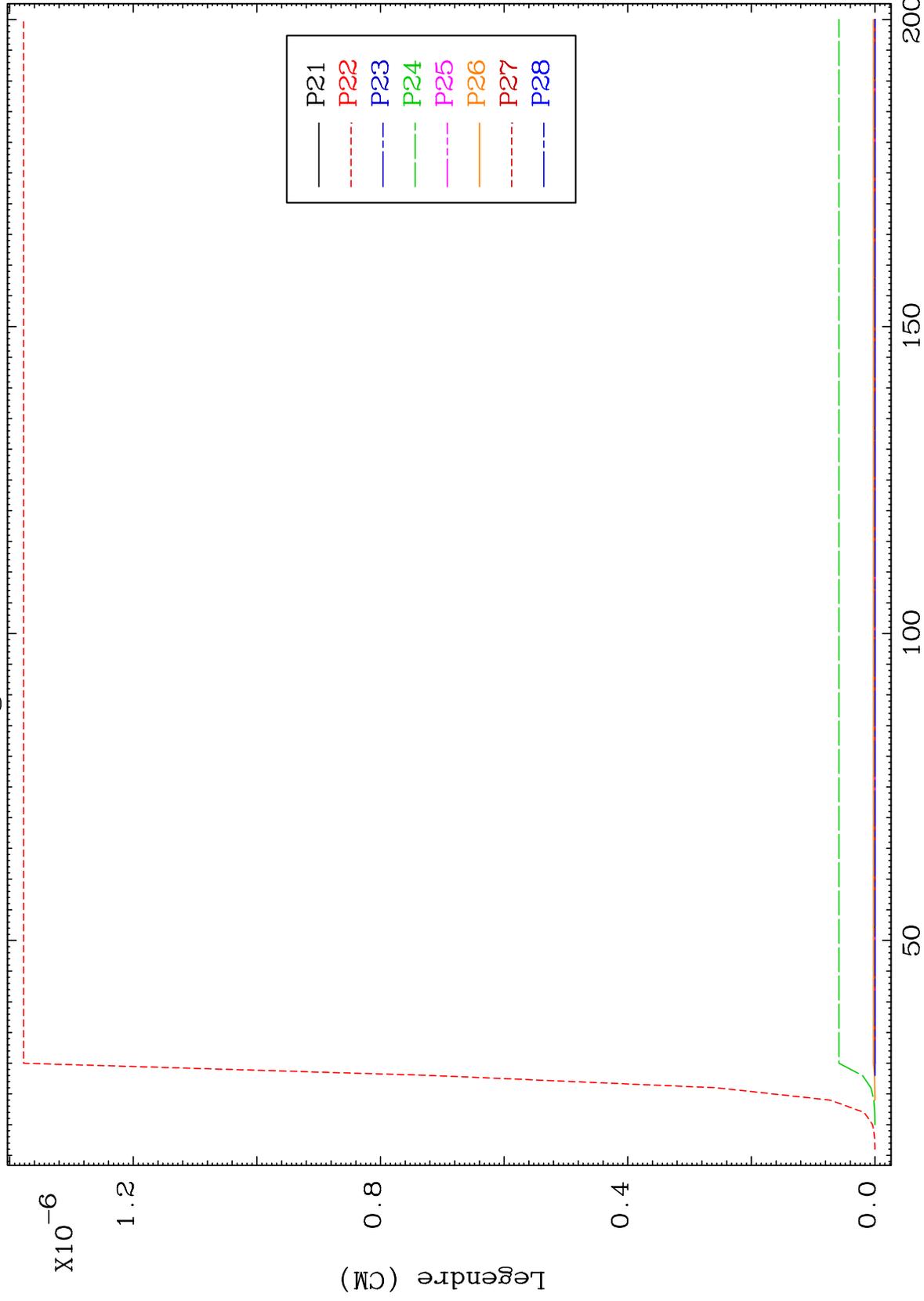
87



MAT 8795

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

88-Ra-213



89

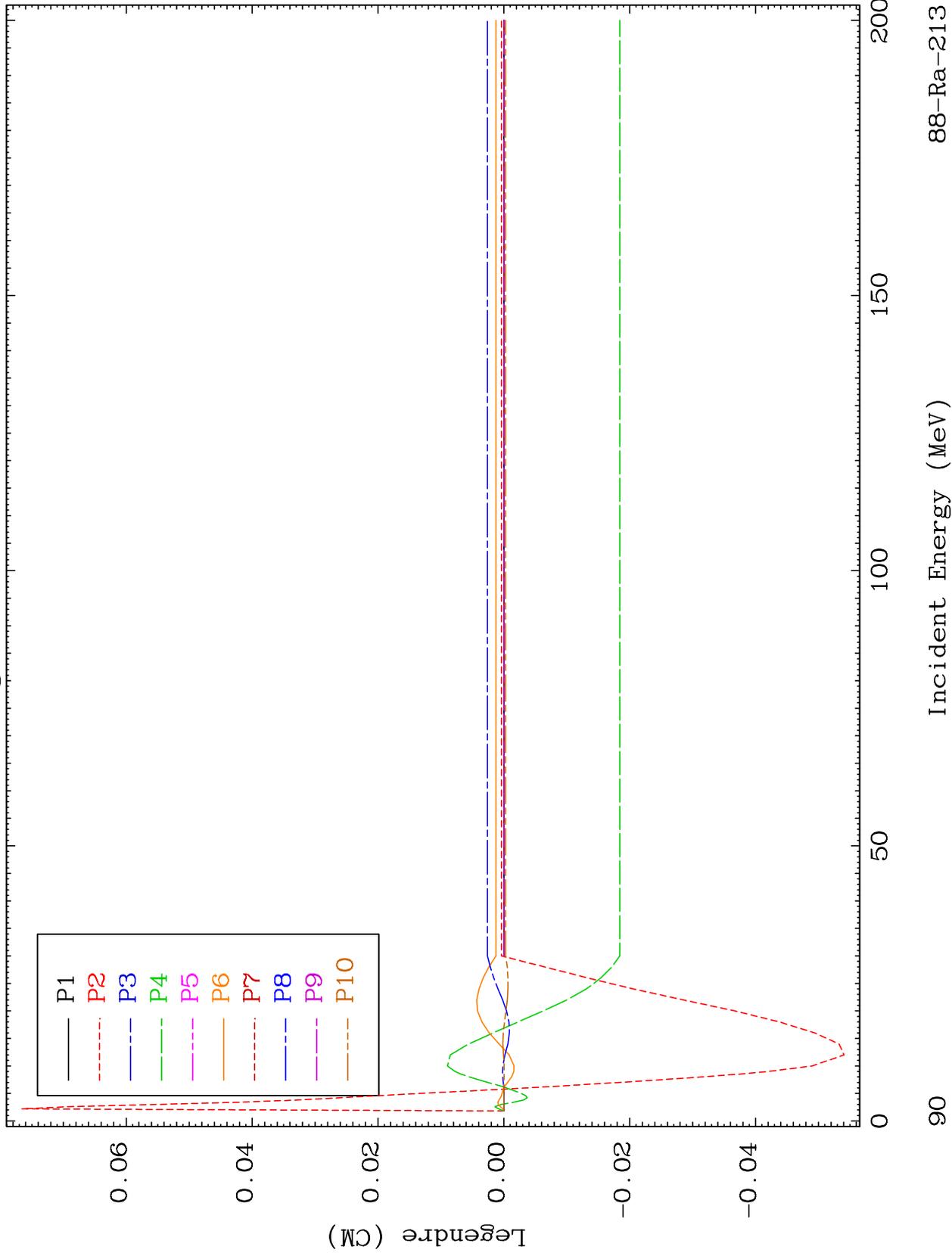
88-Ra-213

88-Ra-213

MAT 8795

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

88-Ra-213



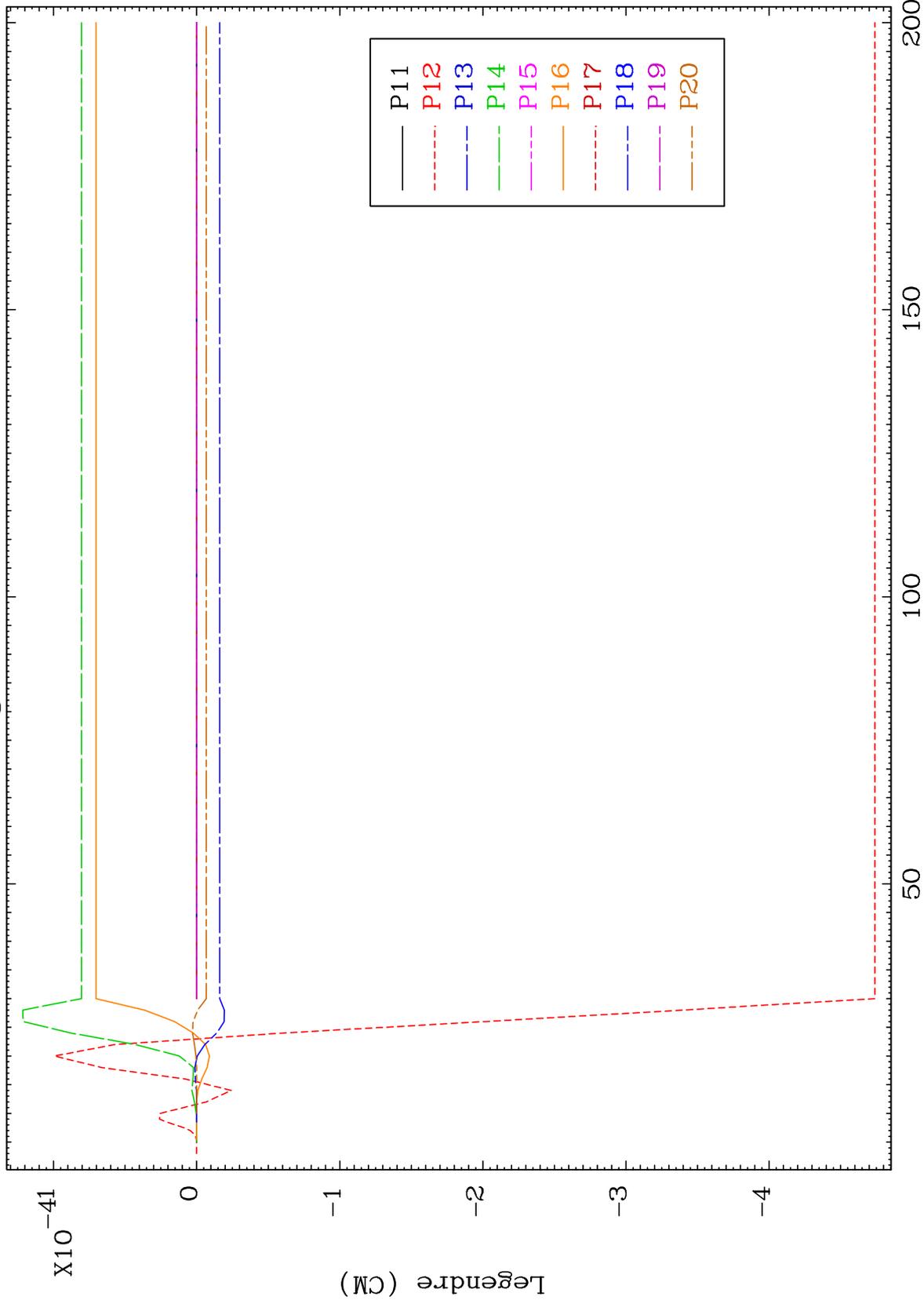
88-Ra-213

Incident Energy (MeV)

MAT 8795

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

88-Ra-213



91

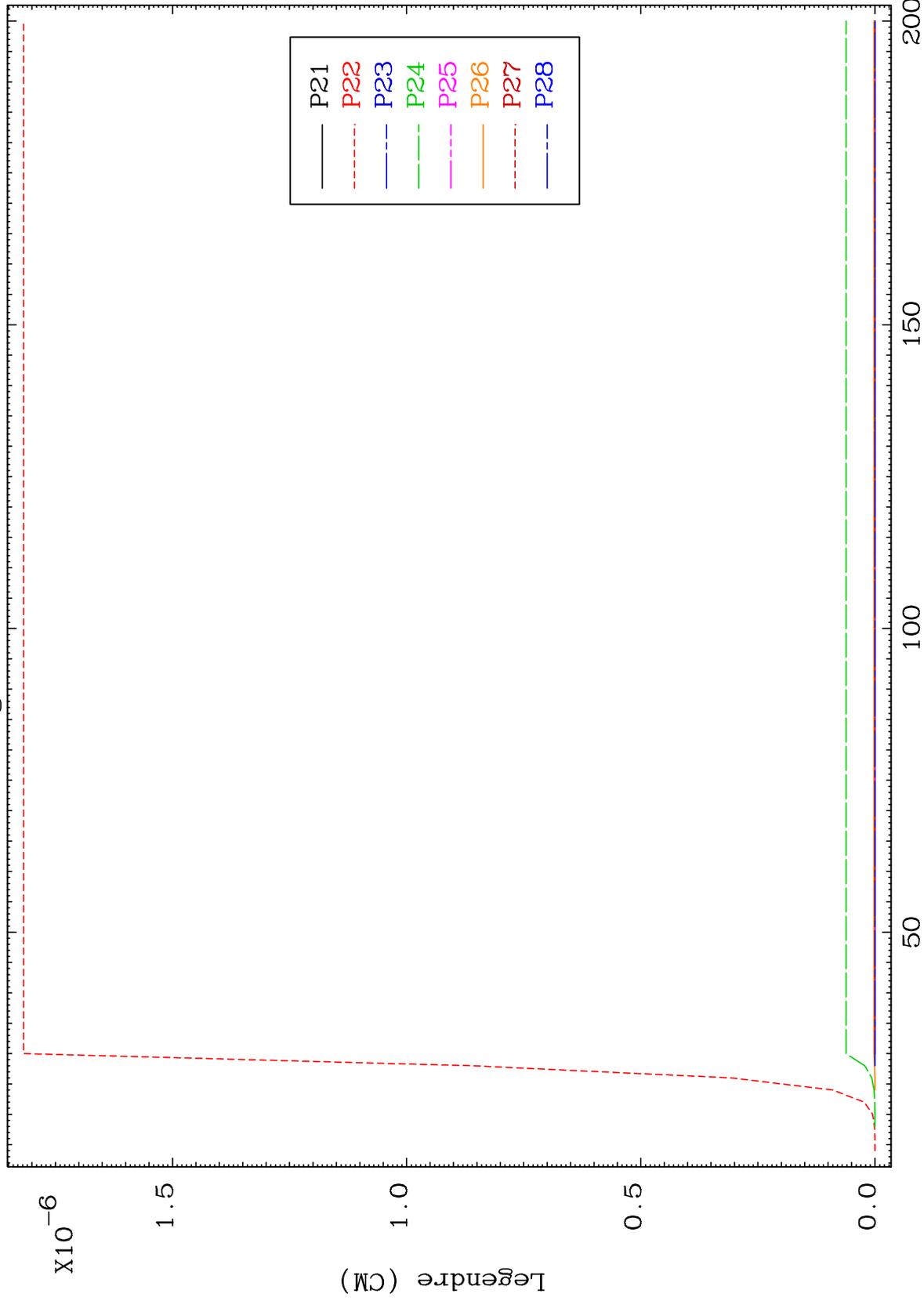
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



92

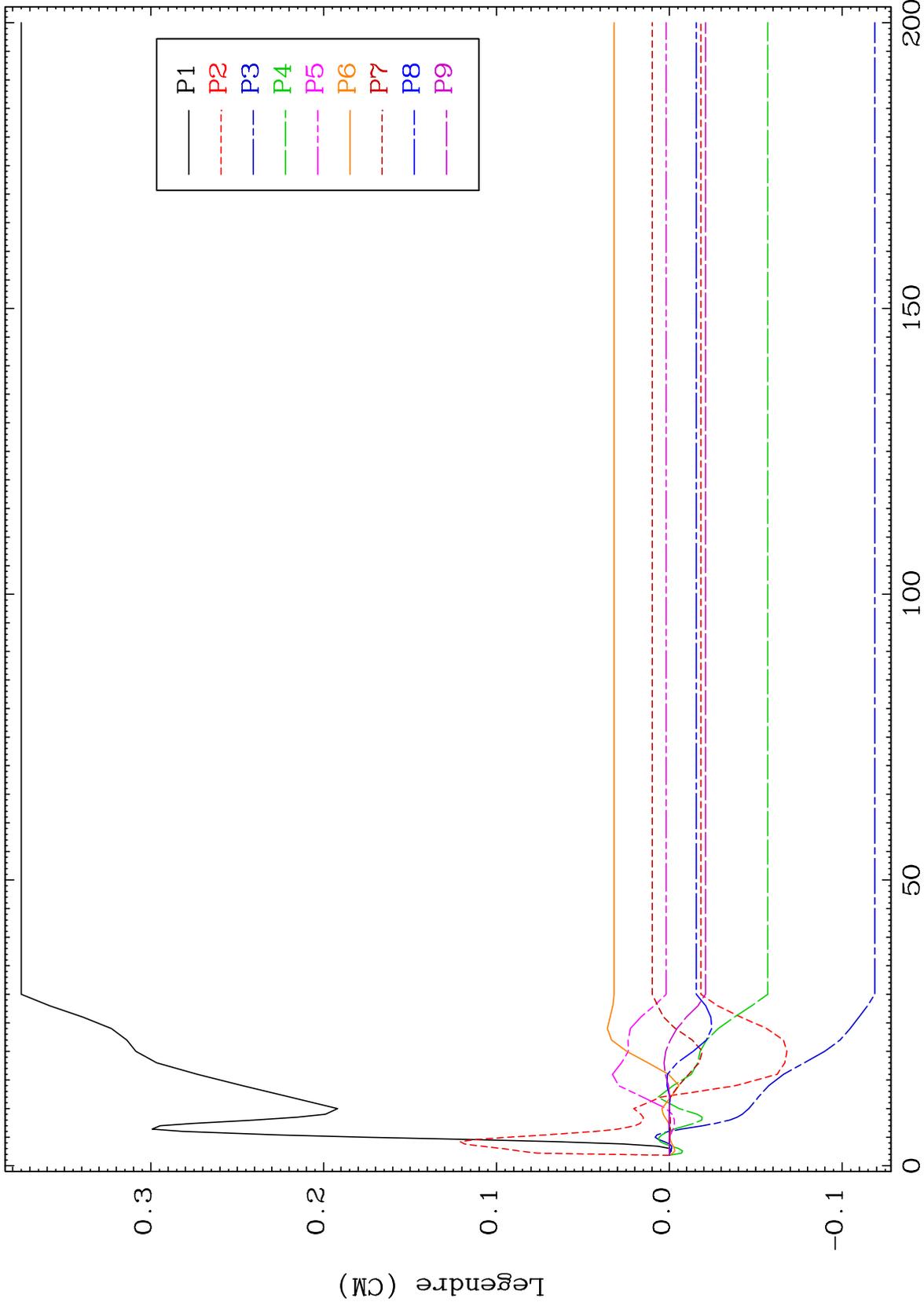
88-Ra-213

88-Ra-213

MAT 8795

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

88-Ra-213



93

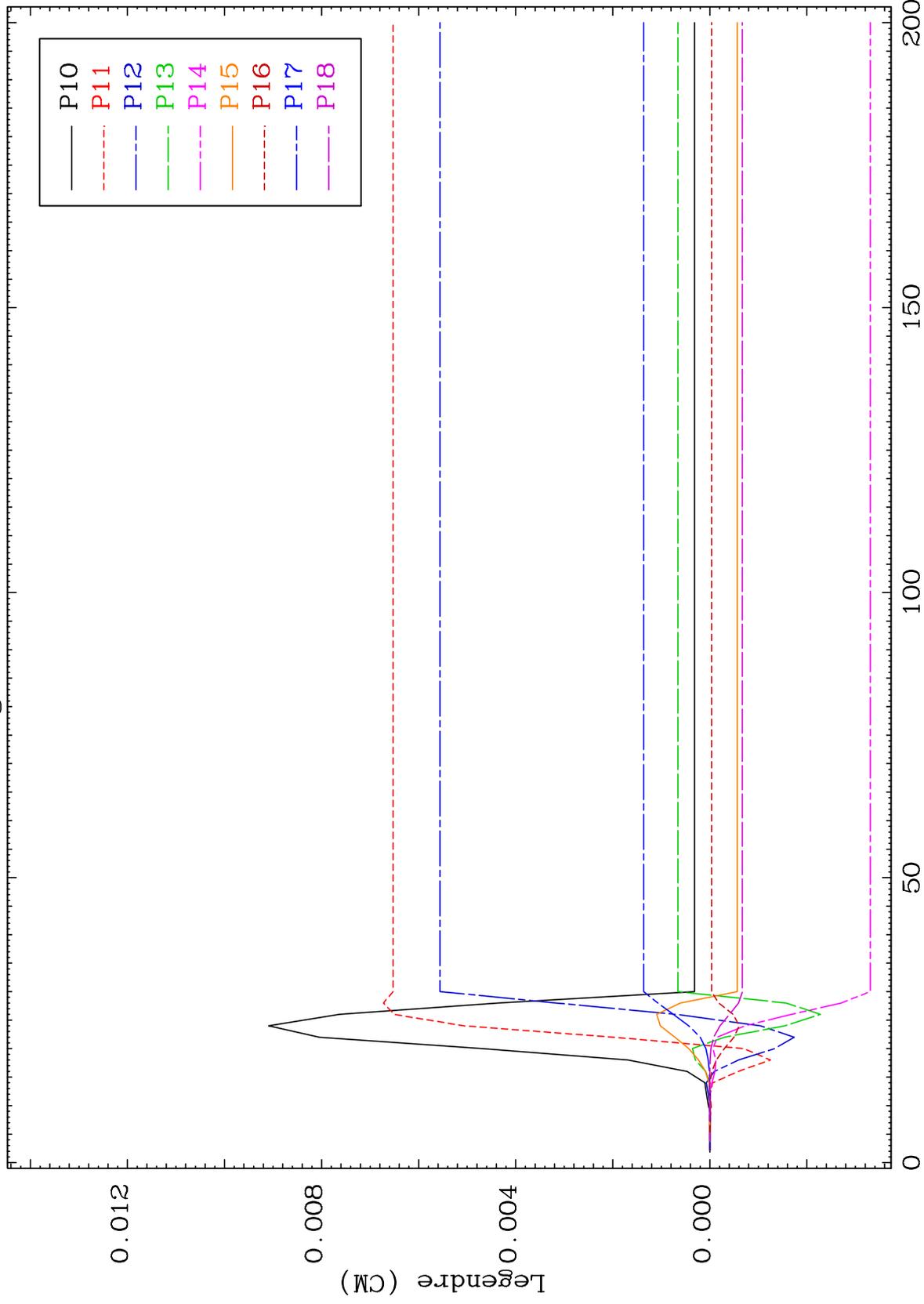
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

88-Ra-213



94

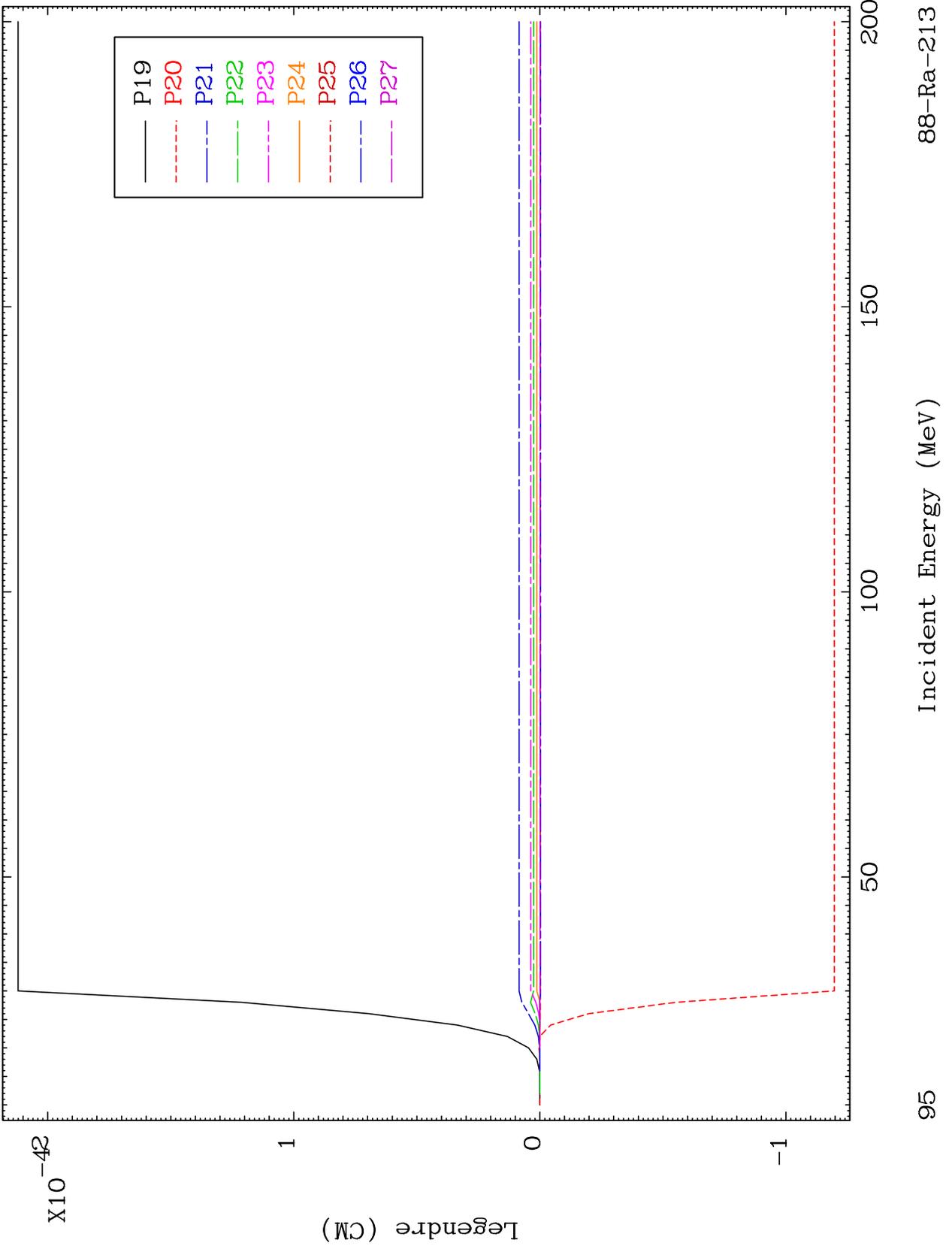
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

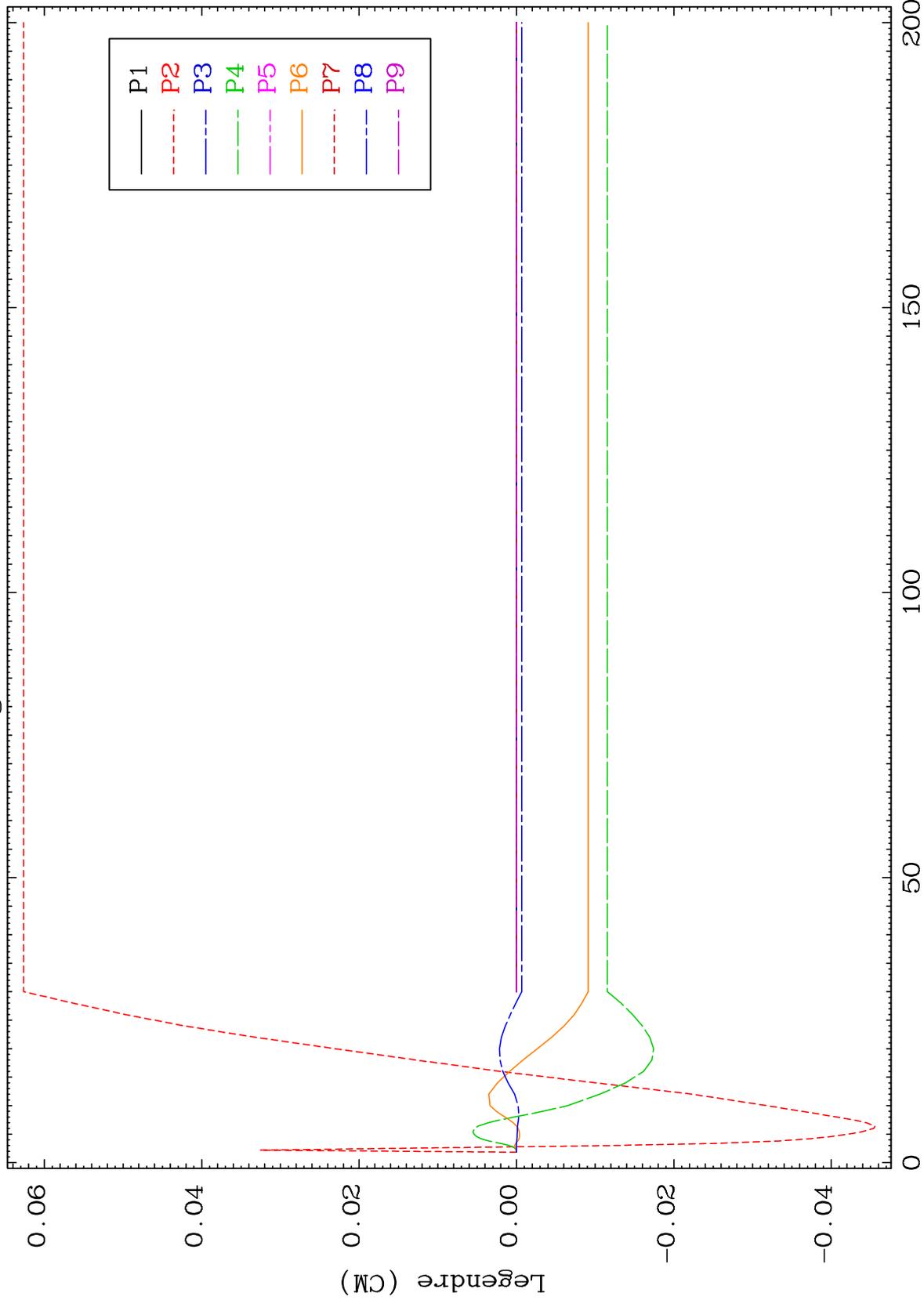
88-Ra-213



MAT 8795

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

88-Ra-213



97

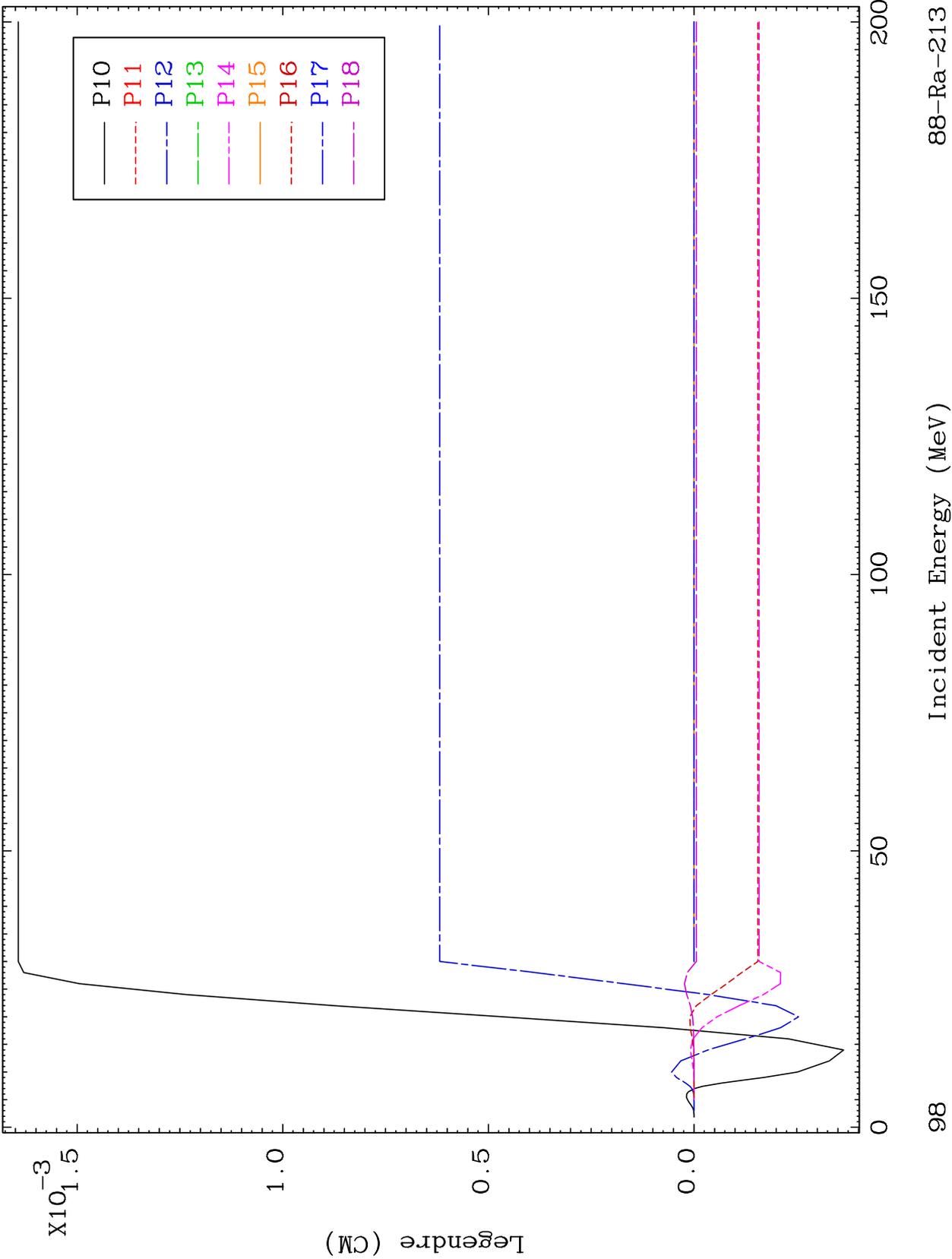
Incident Energy (MeV)

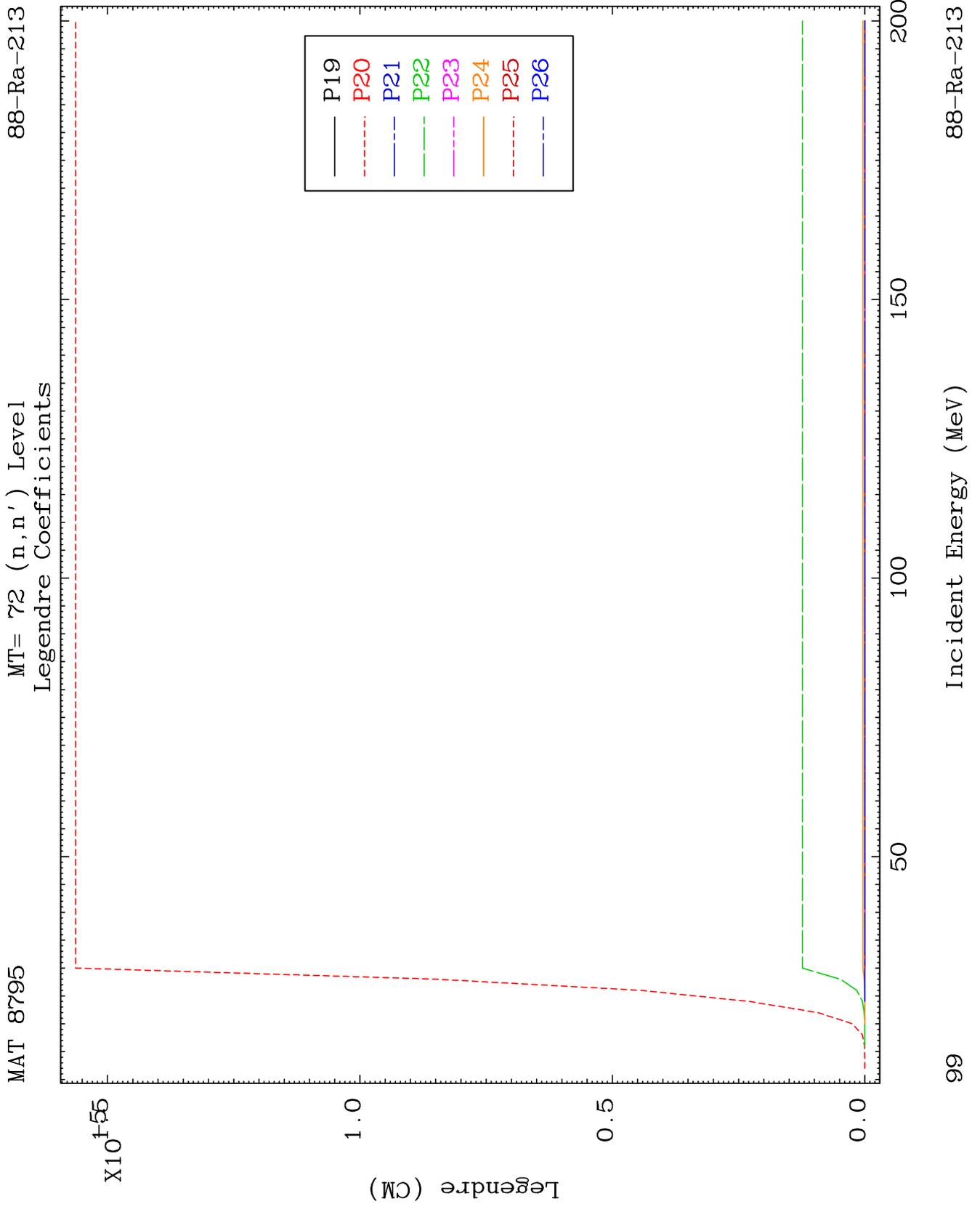
88-Ra-213

MAT 8795

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

88-Ra-213

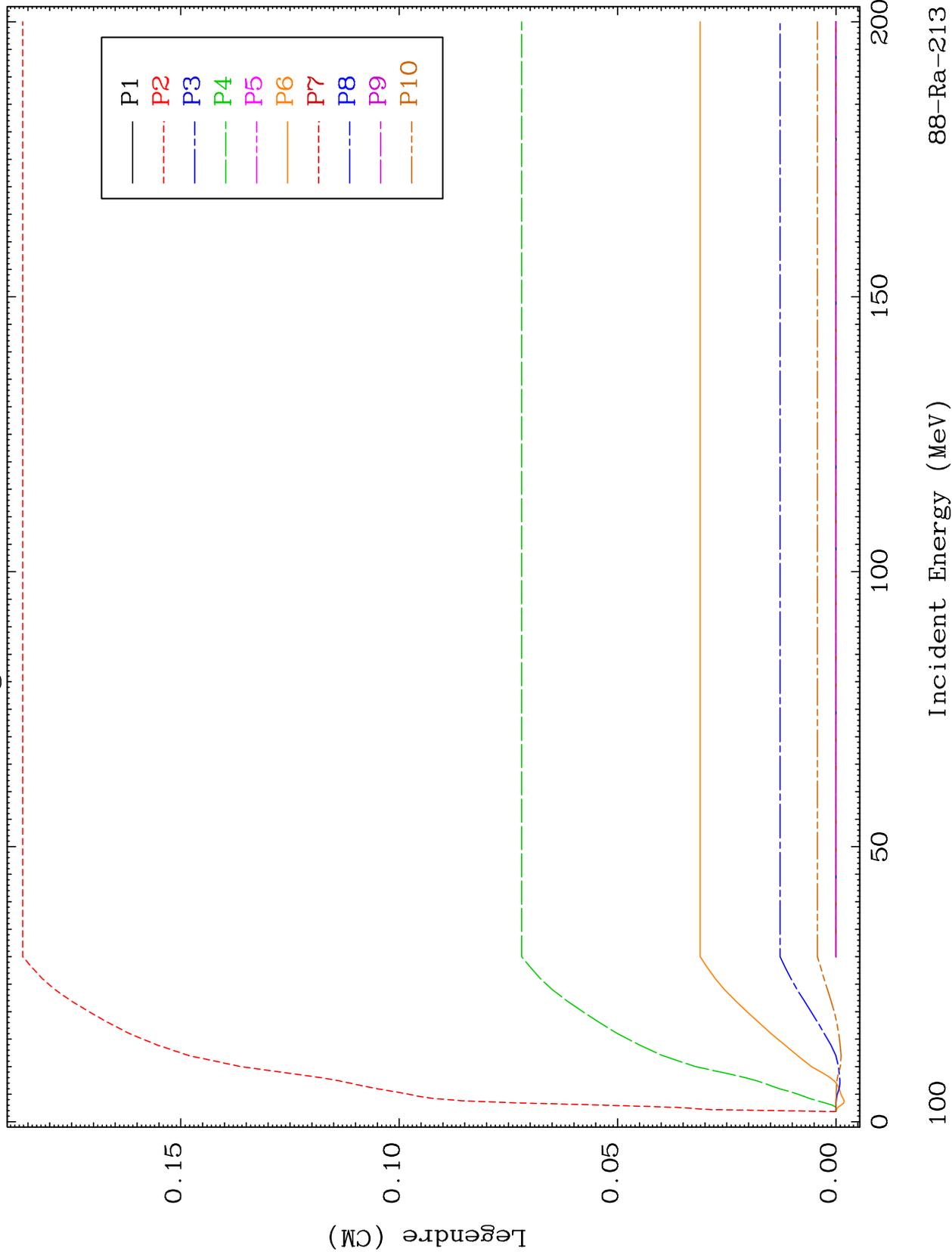




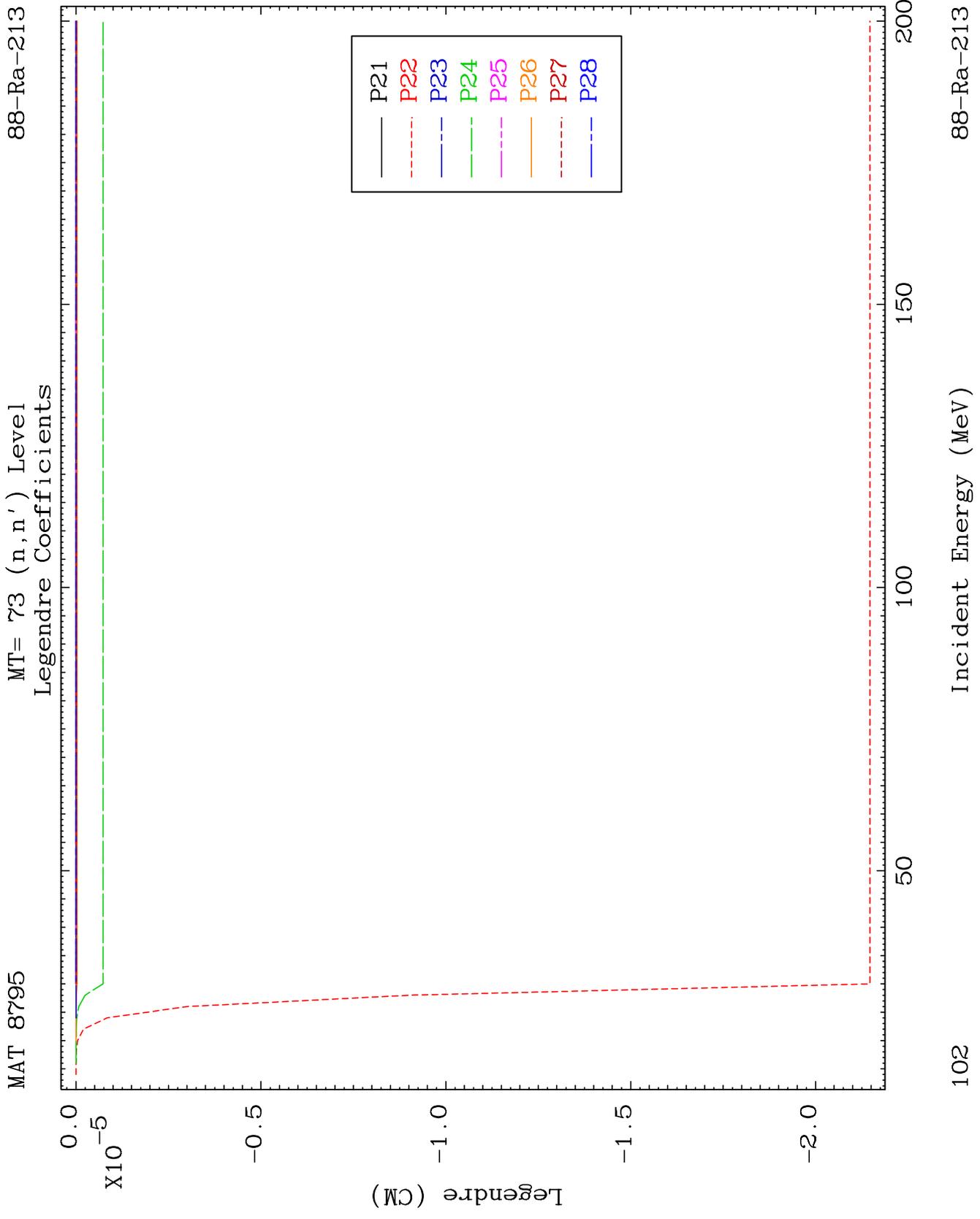
MAT 8795

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

88-Ra-213



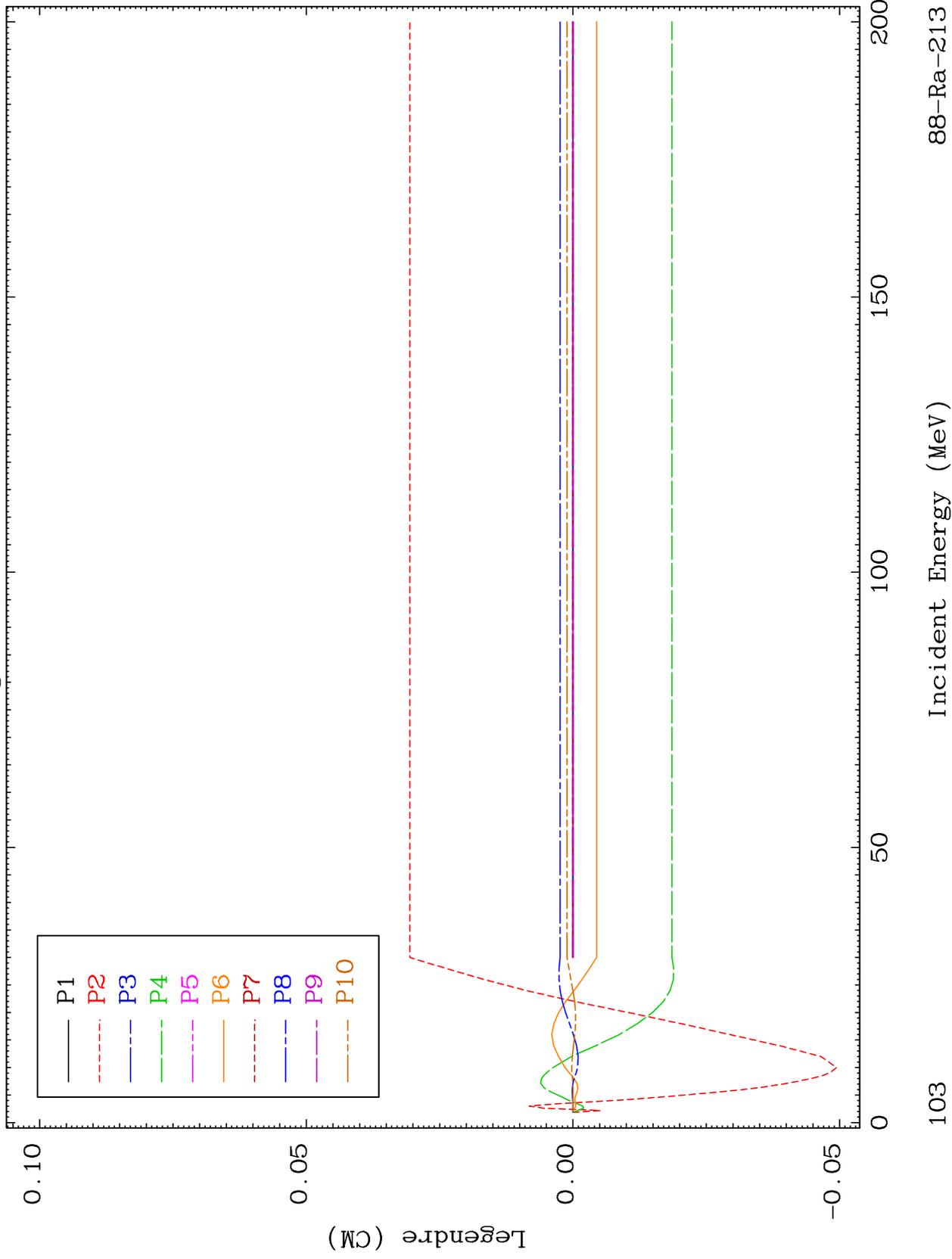
88-Ra-213



MAT 8795

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

88-Ra-213



88-Ra-213

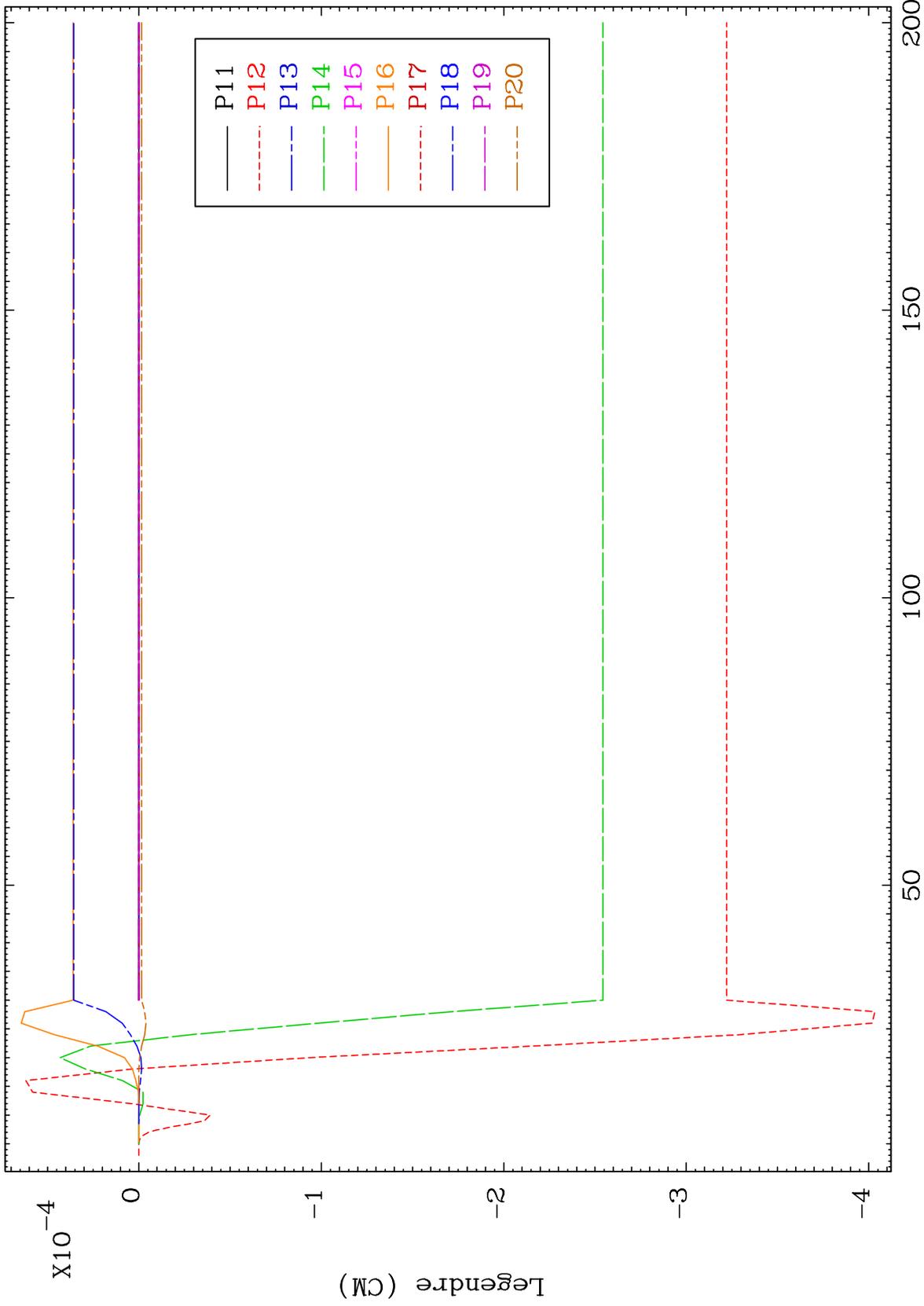
Incident Energy (MeV)

103

MAT 8795

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

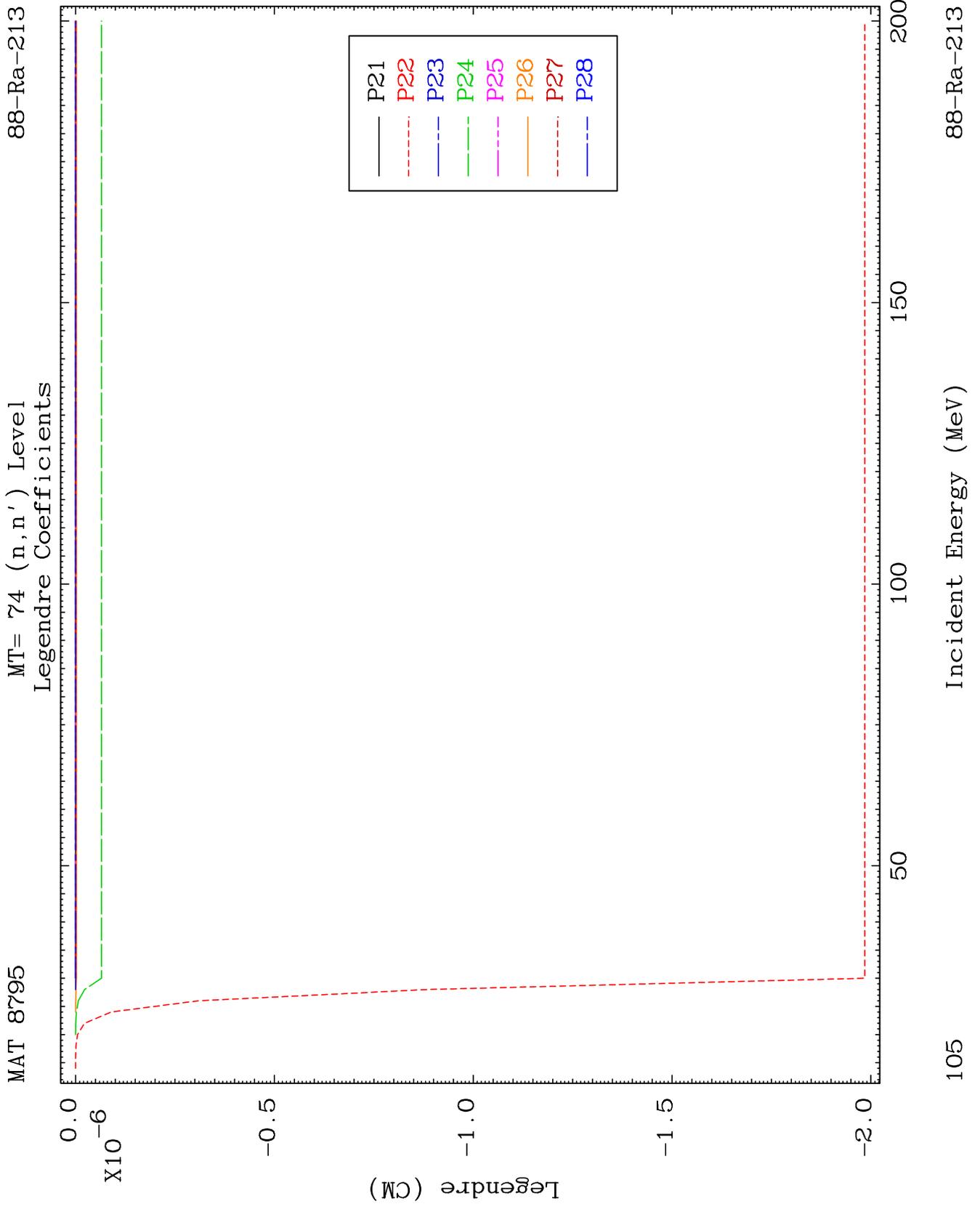
88-Ra-213



104

Incident Energy (MeV)

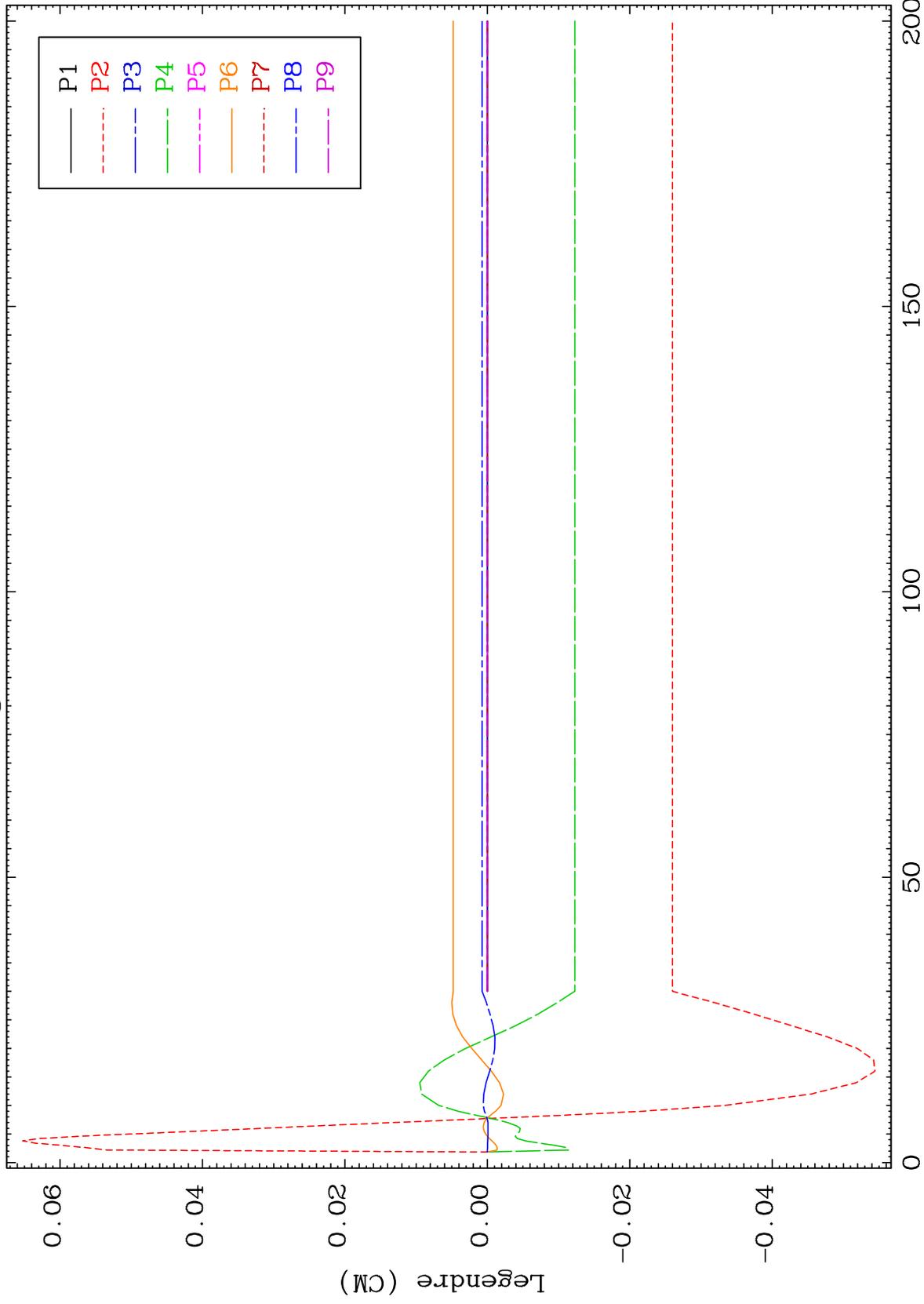
88-Ra-213



MAT 8795

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

88-Ra-213



88-Ra-213

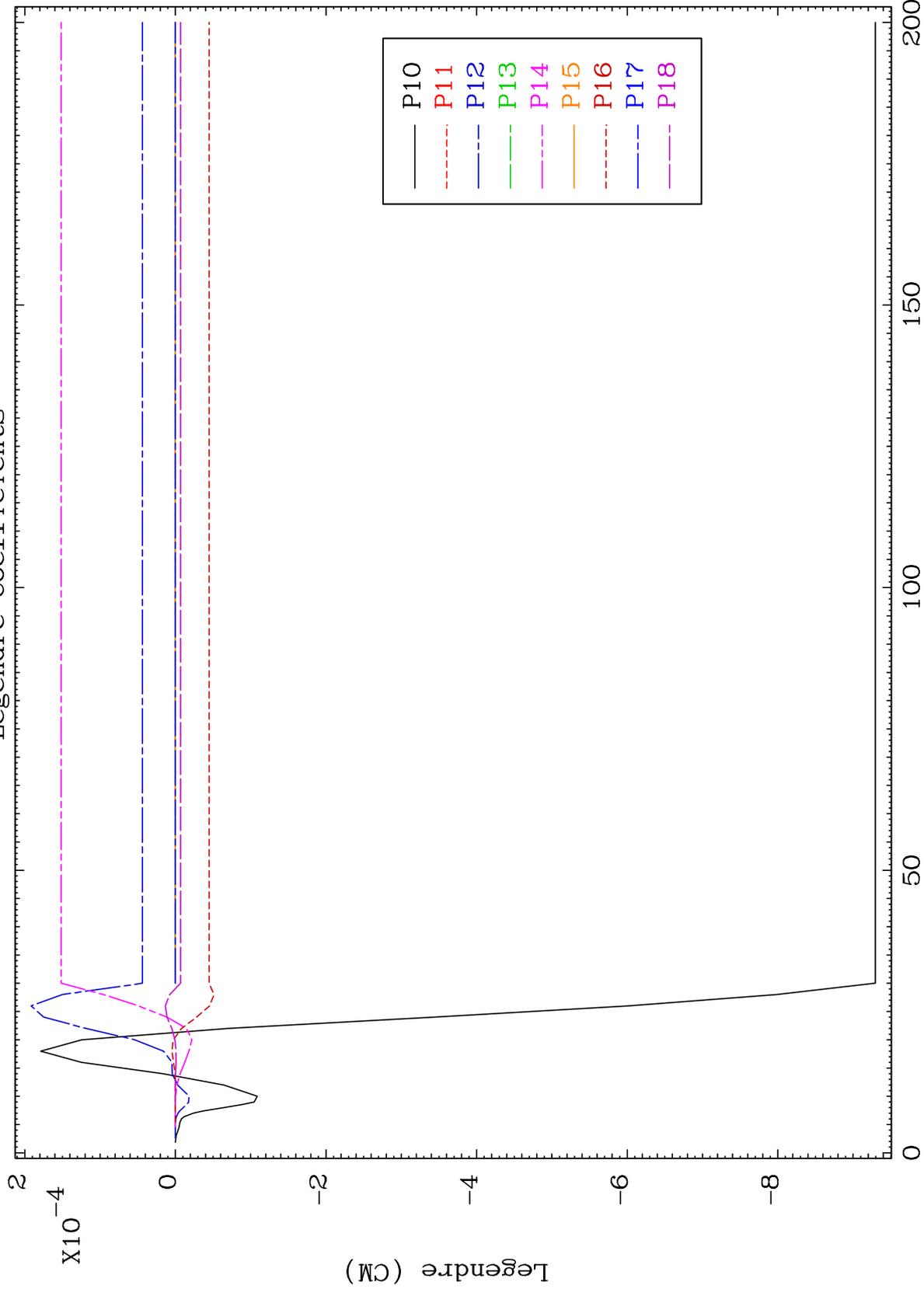
Incident Energy (MeV)

106

MAT 8795

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

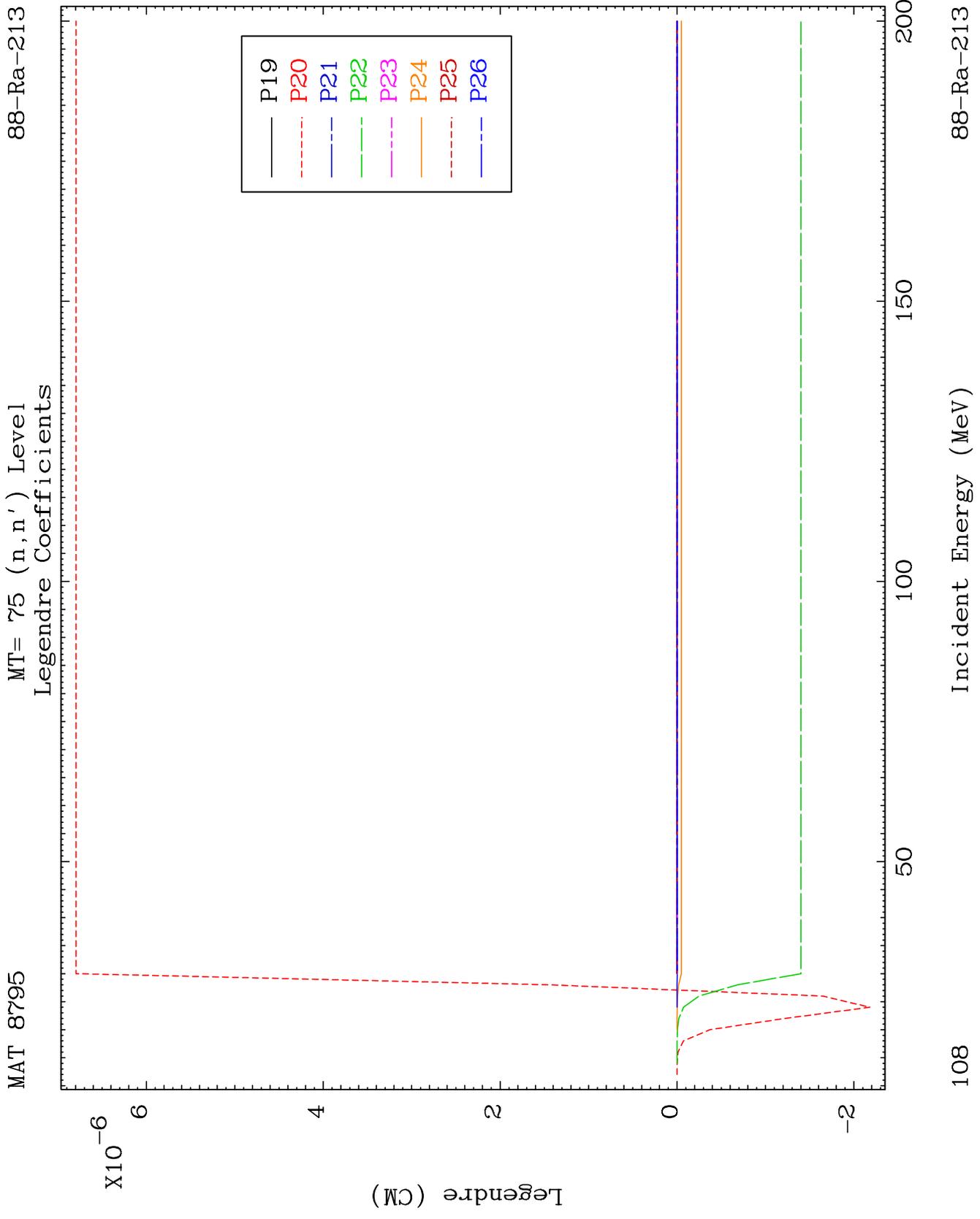
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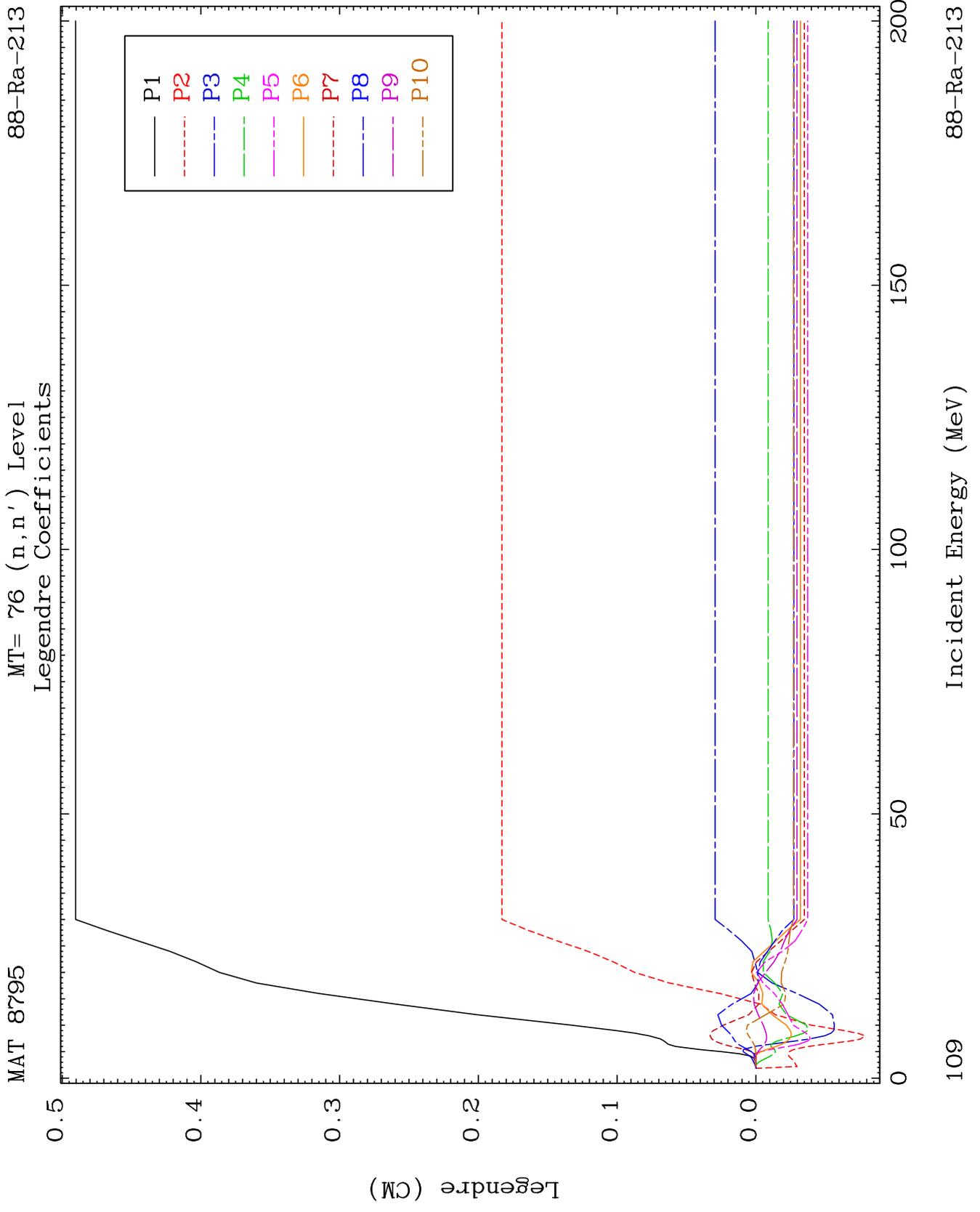


107

Incident Energy (MeV)

88-Ra-213

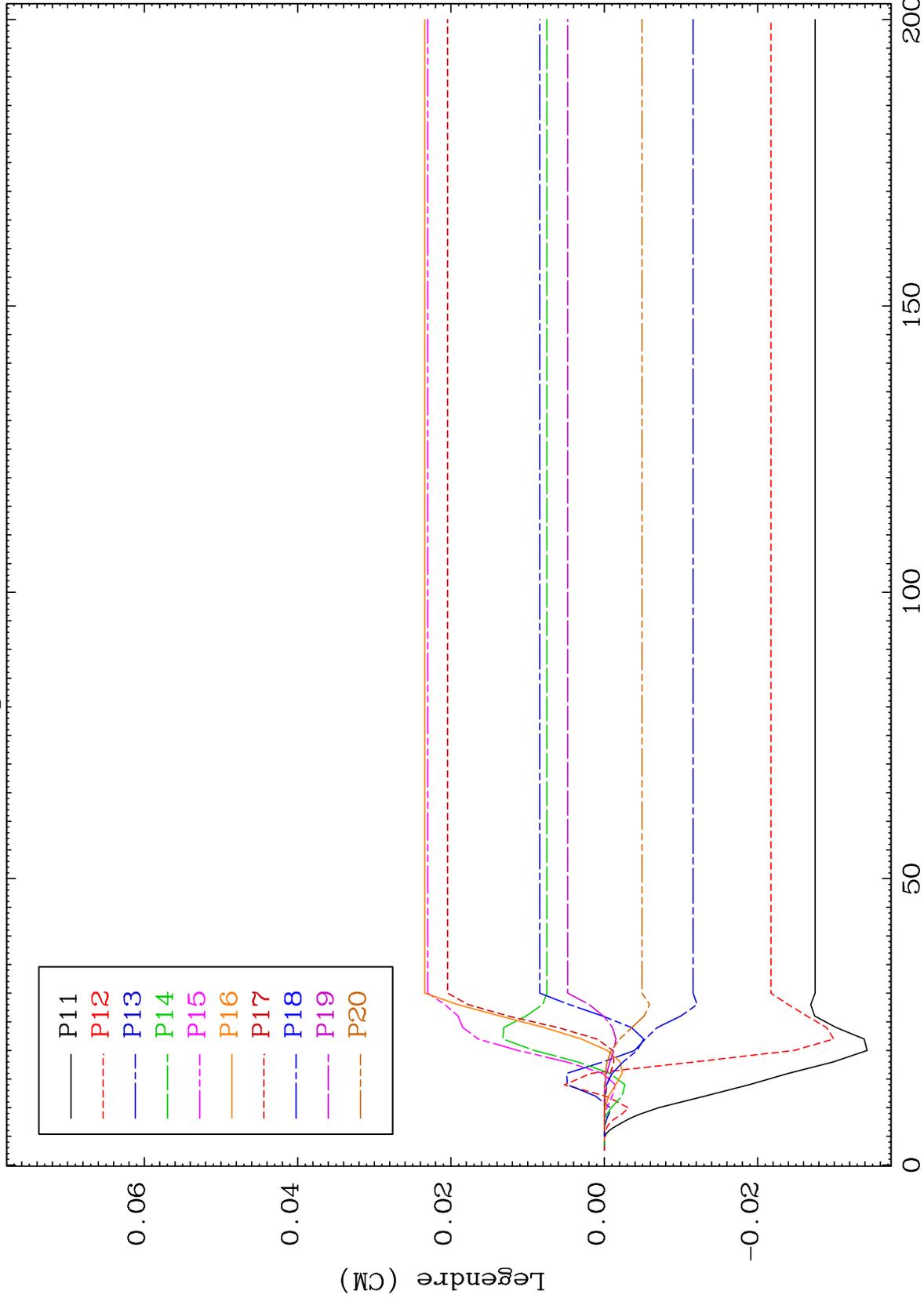




MAT 8795

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

88-Ra-213



110

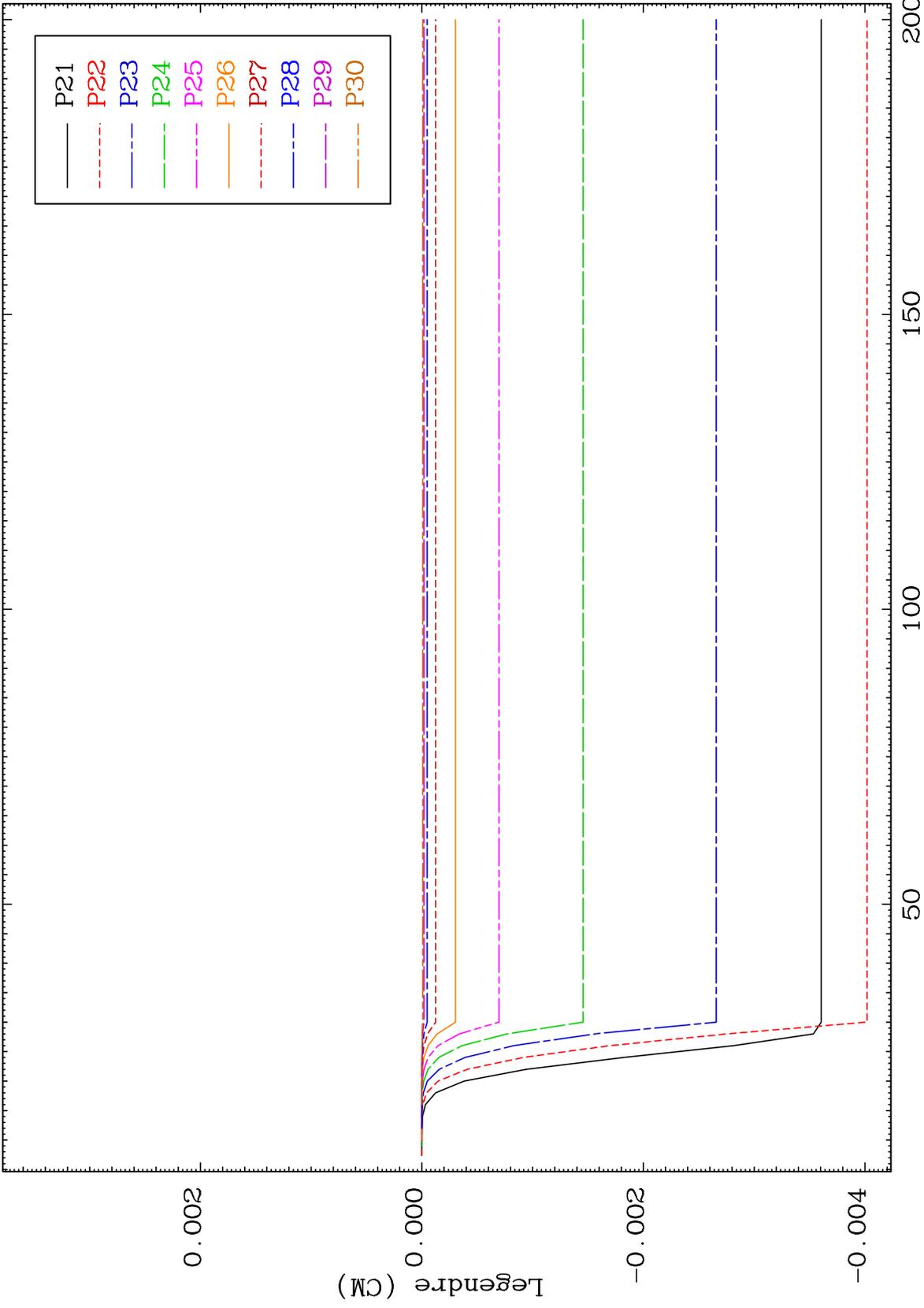
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

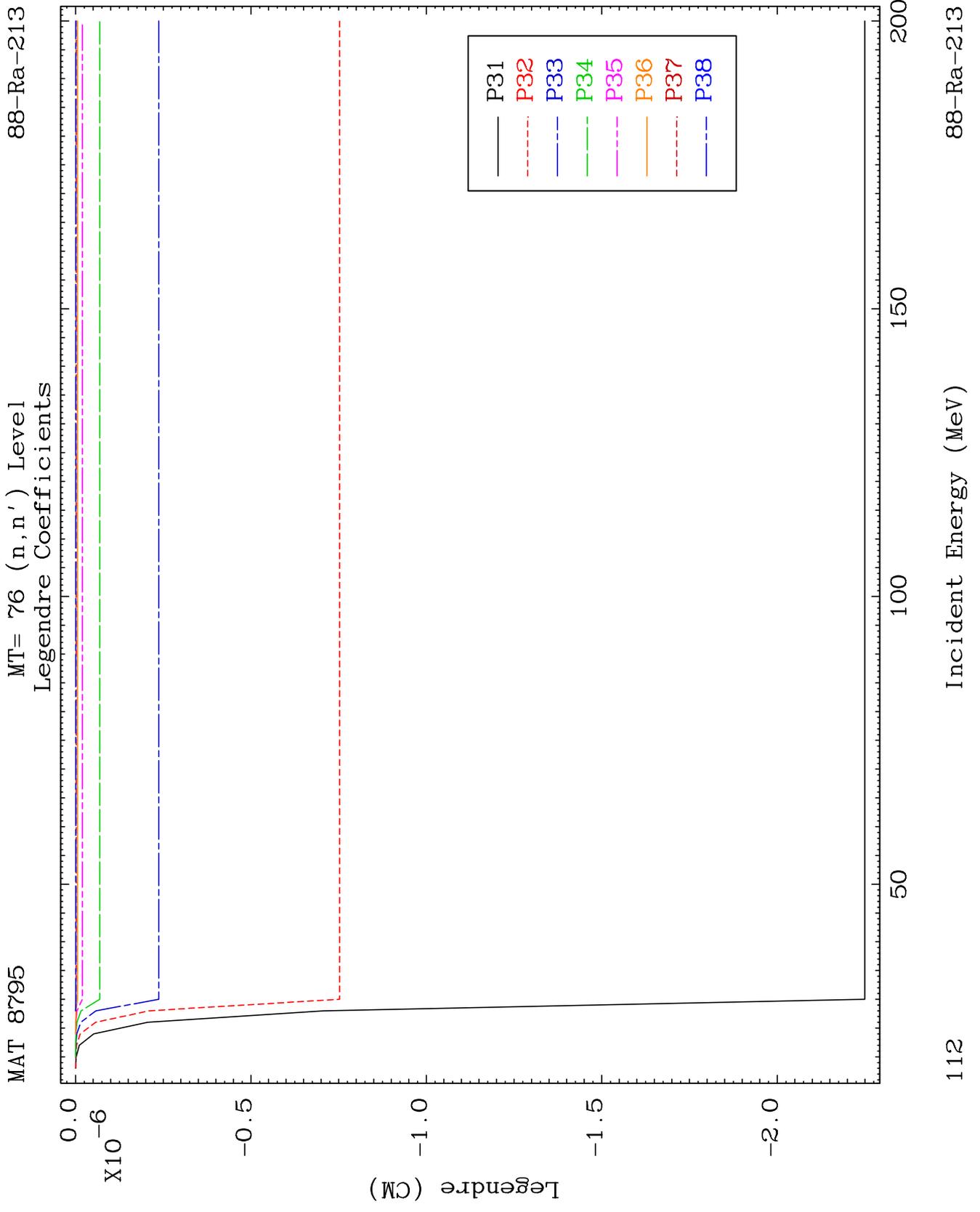
88-Ra-213



111

Incident Energy (MeV)

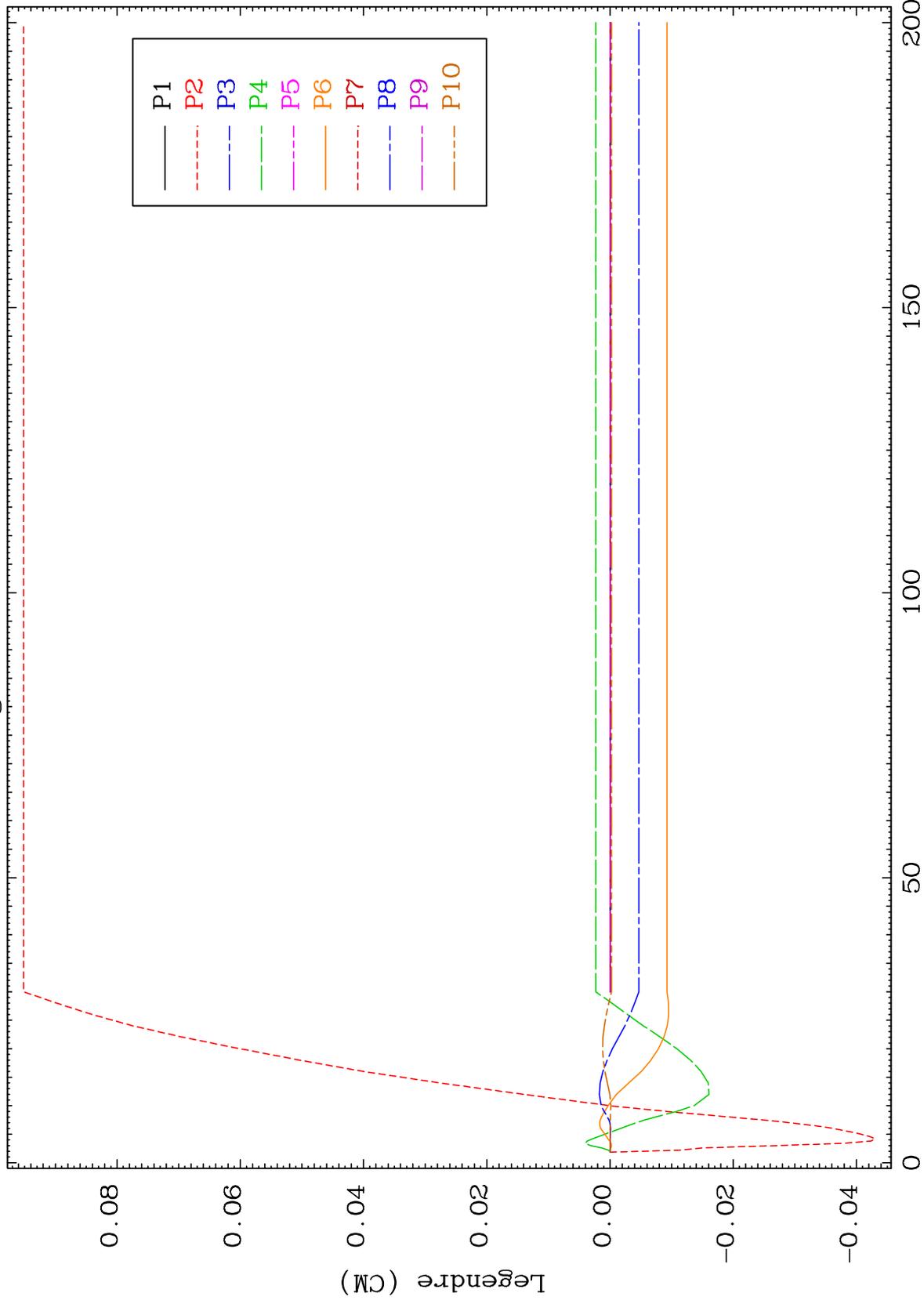
88-Ra-213



MAT 8795

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

88-Ra-213



88-Ra-213

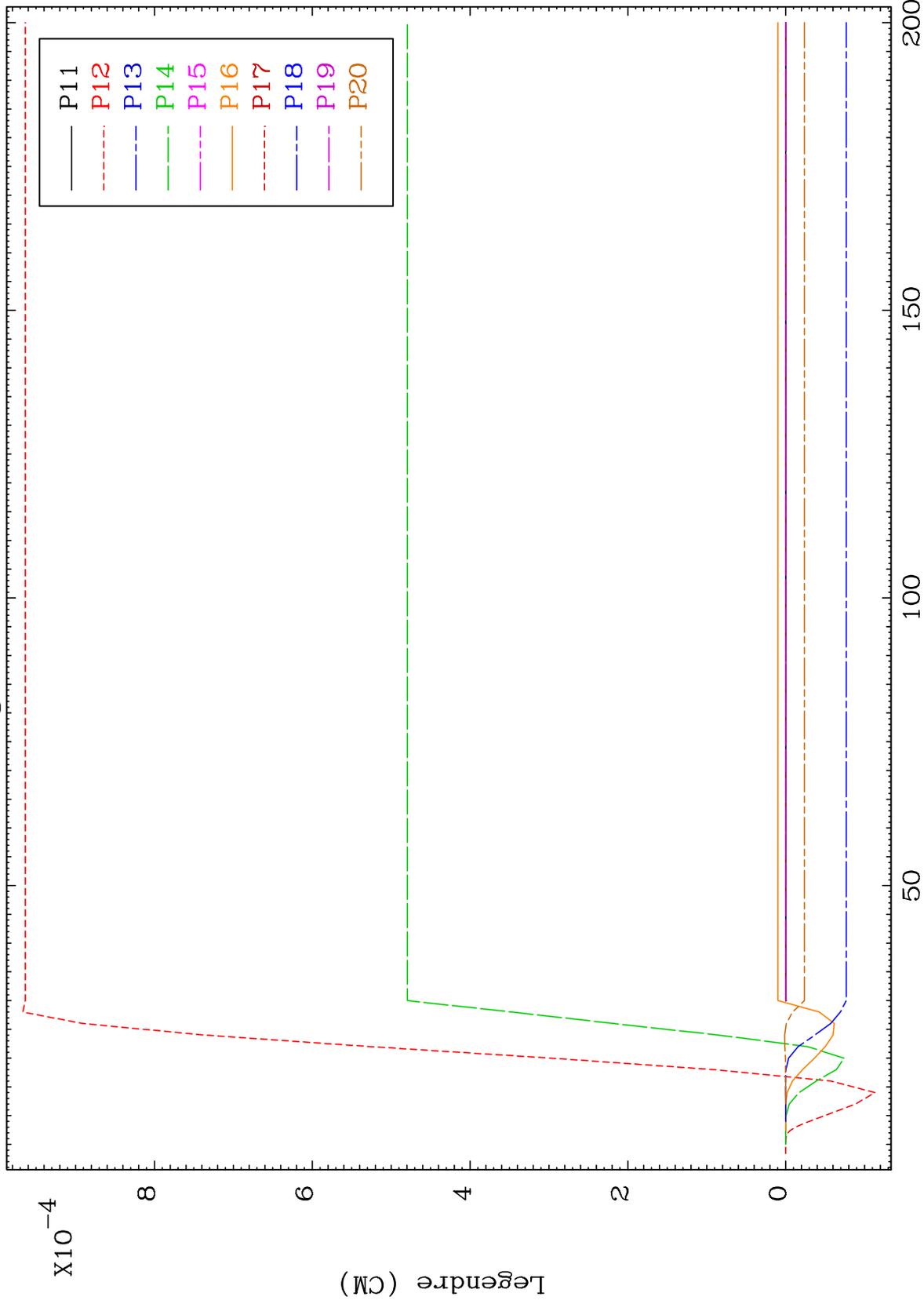
Incident Energy (MeV)

113

MAT 8795

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

88-Ra-213



114

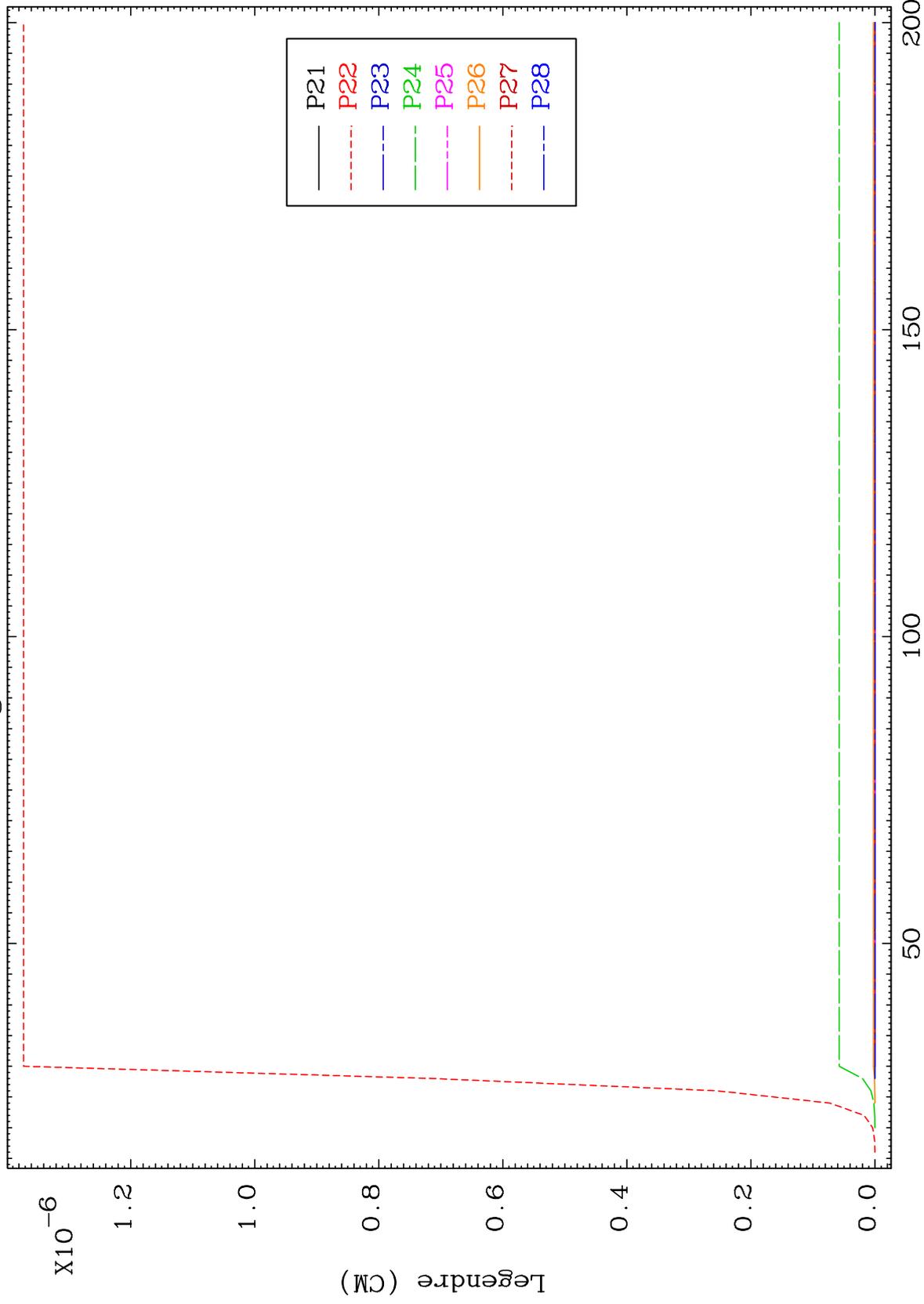
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

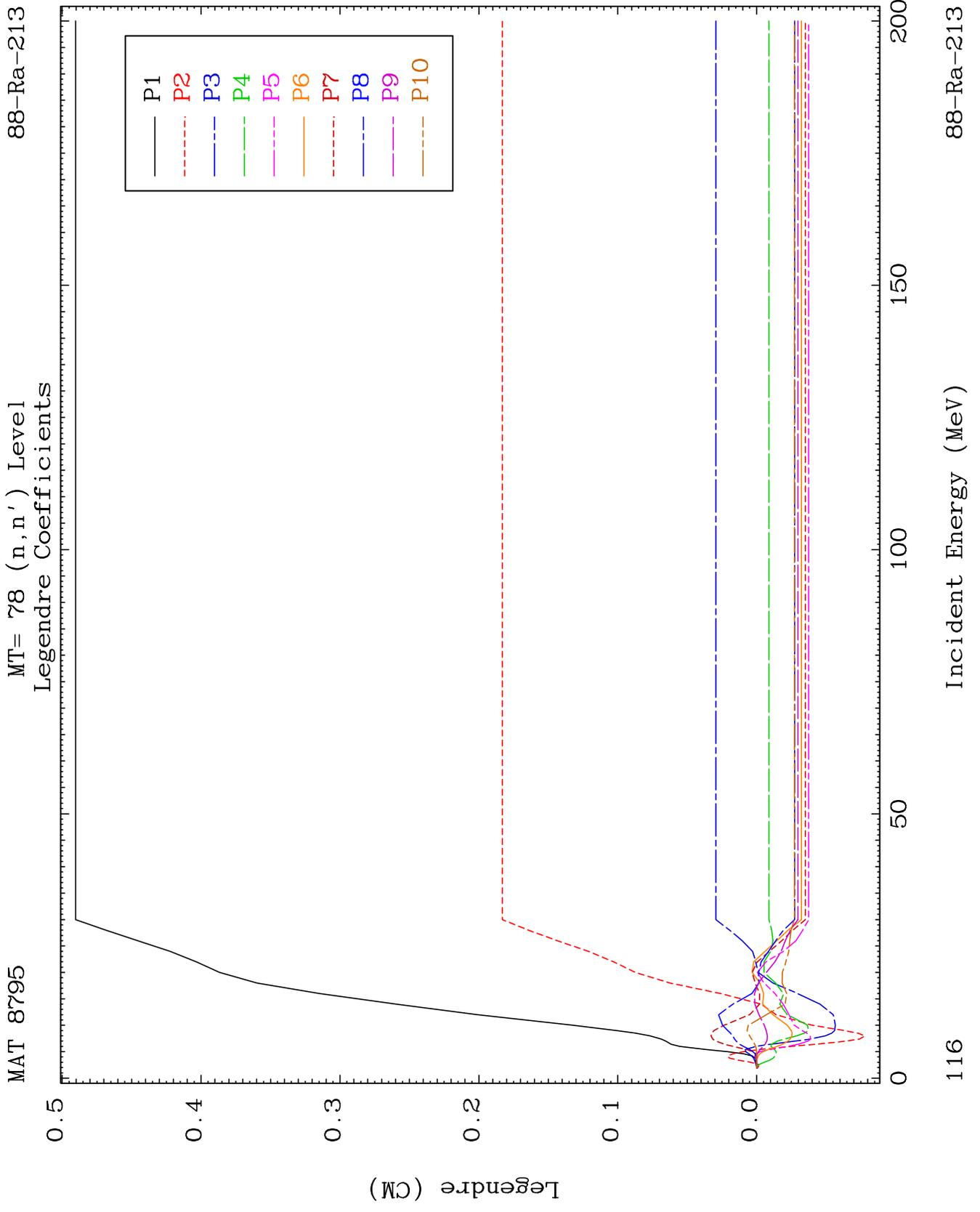
88-Ra-213



115

Incident Energy (MeV)

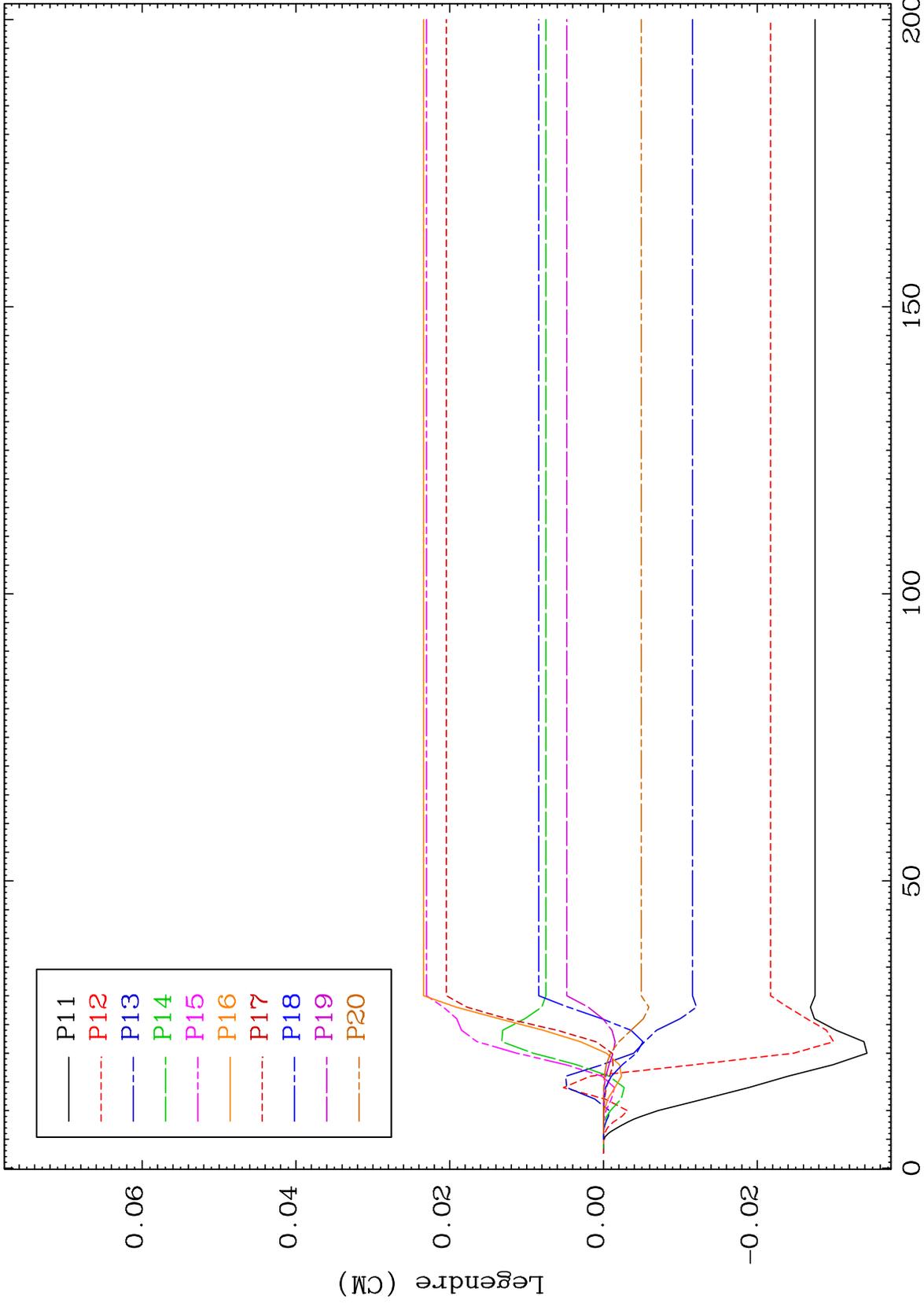
88-Ra-213



MAT 8795

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

88-Ra-213



117

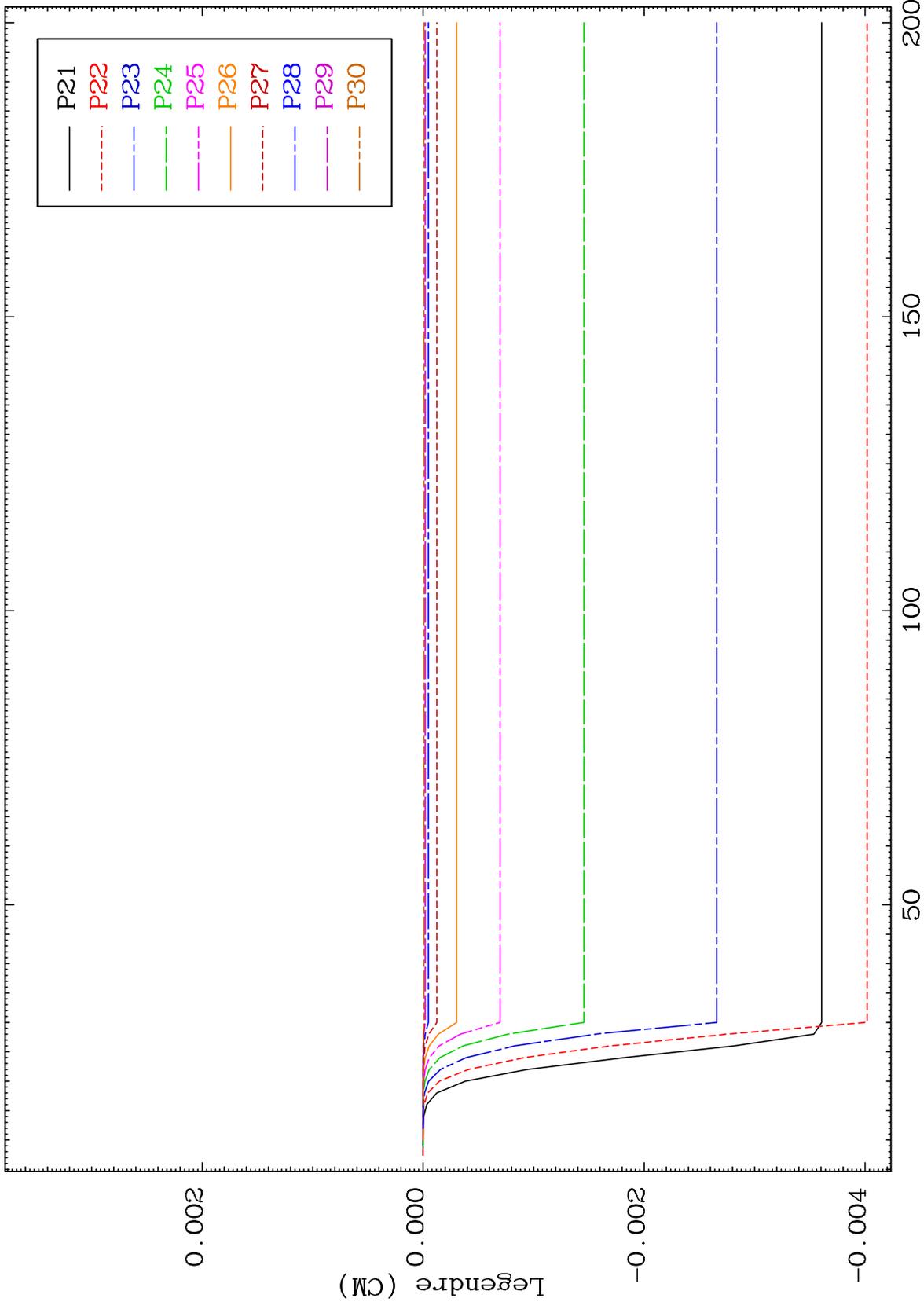
Incident Energy (MeV)

88-Ra-213

MAT 8795

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

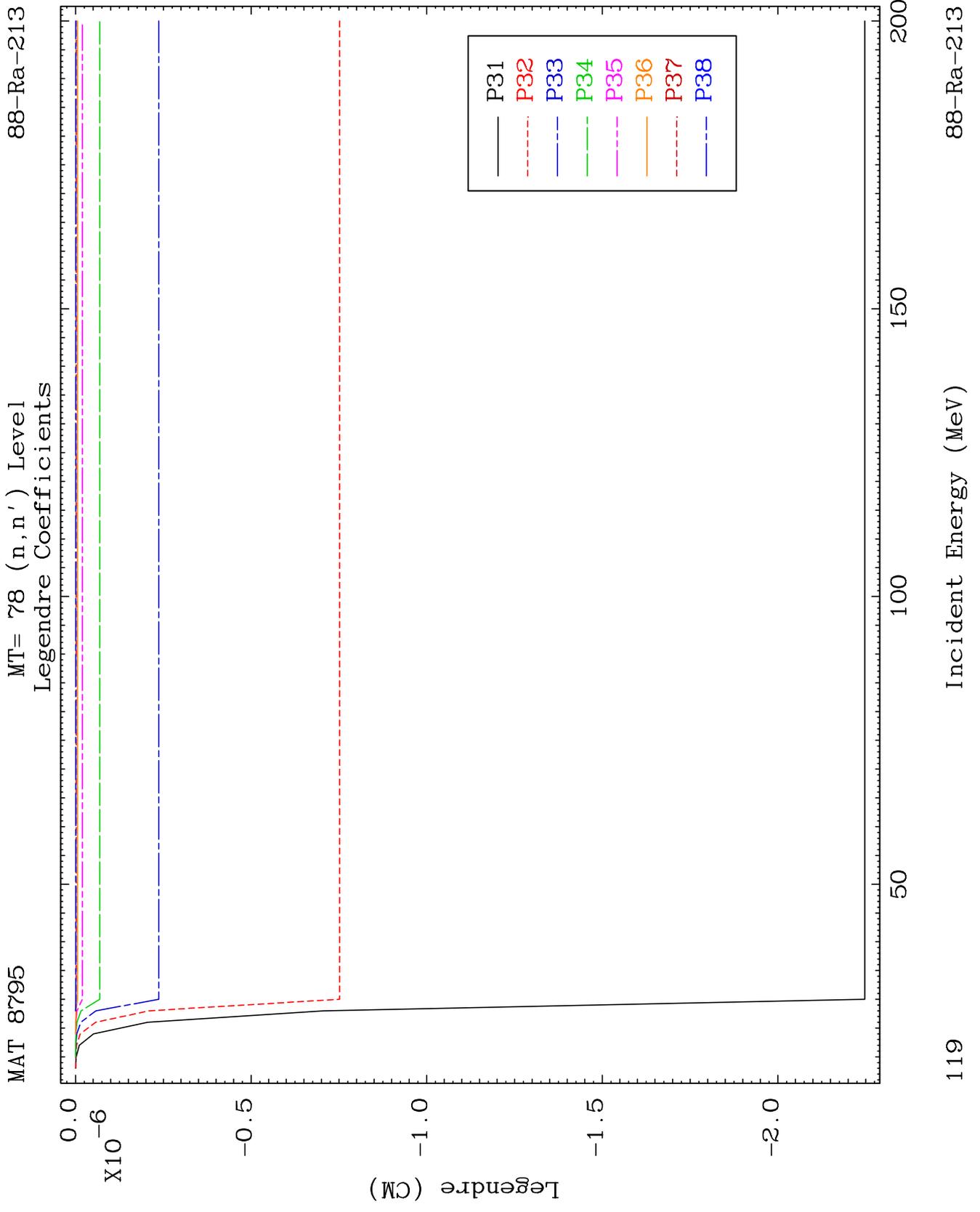
88-Ra-213



118

Incident Energy (MeV)

88-Ra-213

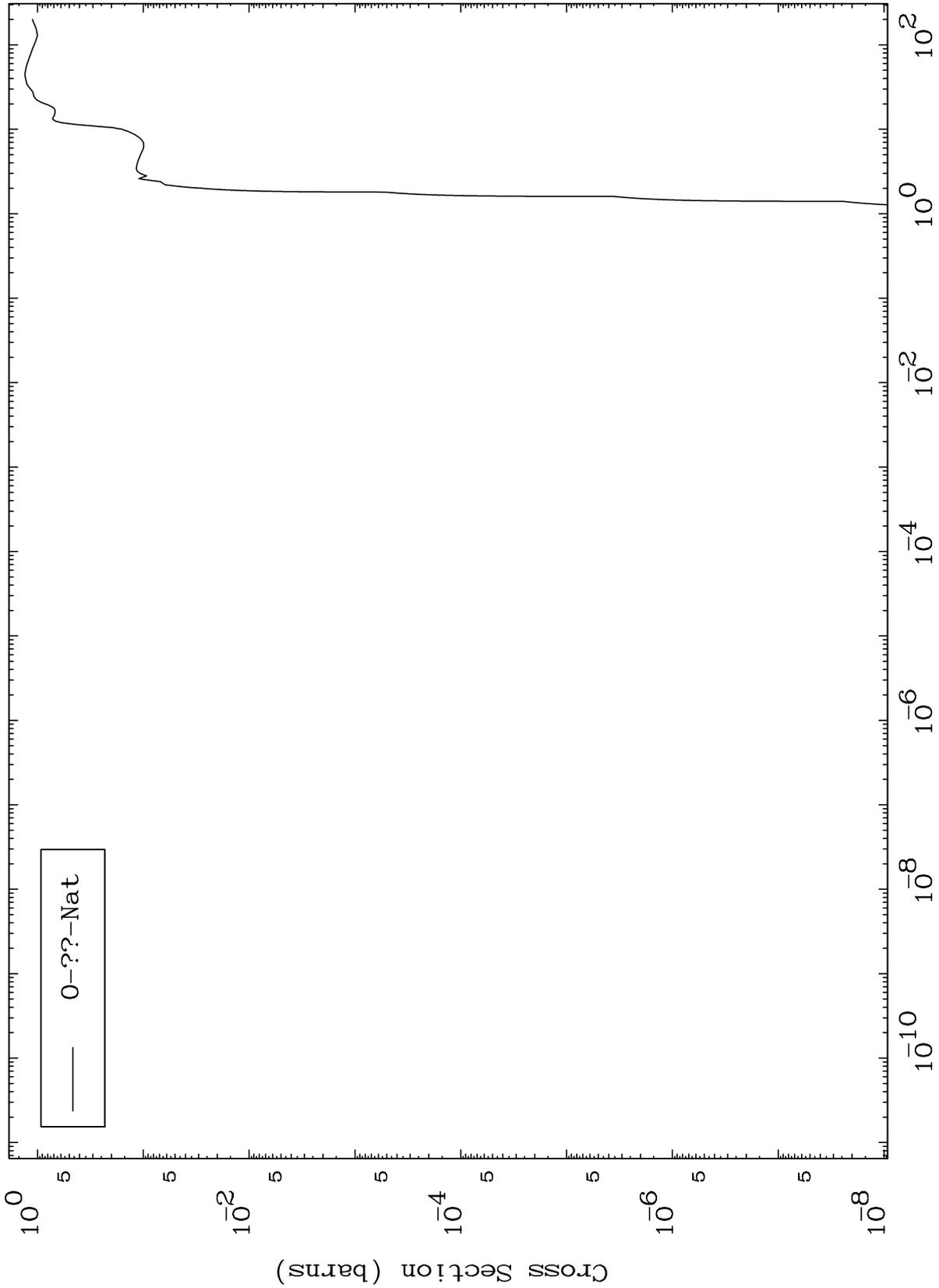


MAT 8795

Fission

88-Ra-213

Radionuclide Production Cross Section



120

Incident Energy (MeV)

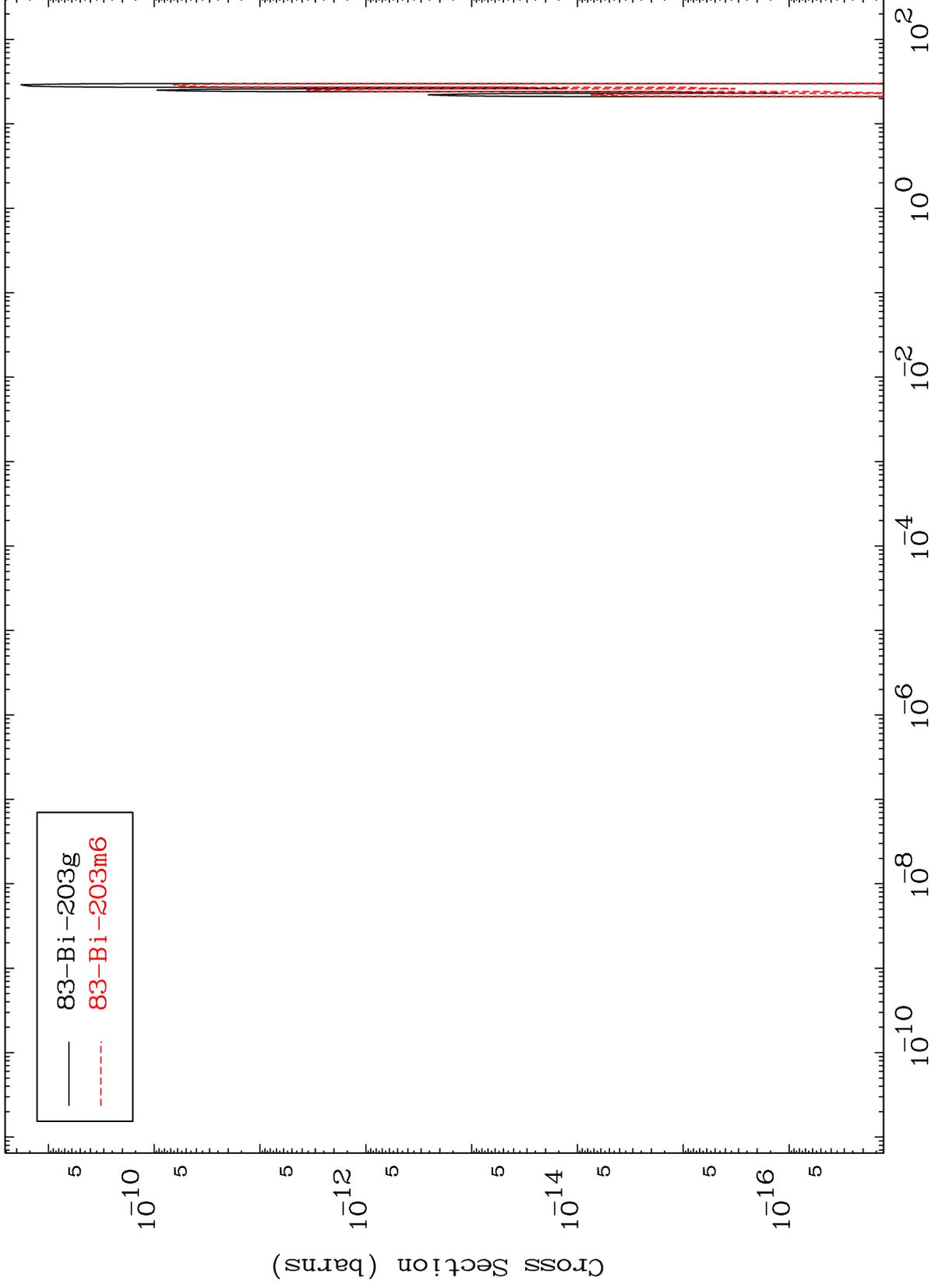
88-Ra-213

MAT 8795

(n,t) 2 α

88-Ra-213

Radionuclide Production Cross Section



121

Incident Energy (MeV)

88-Ra-213