

Program EVALPLOT
(Version 2018-1)

by

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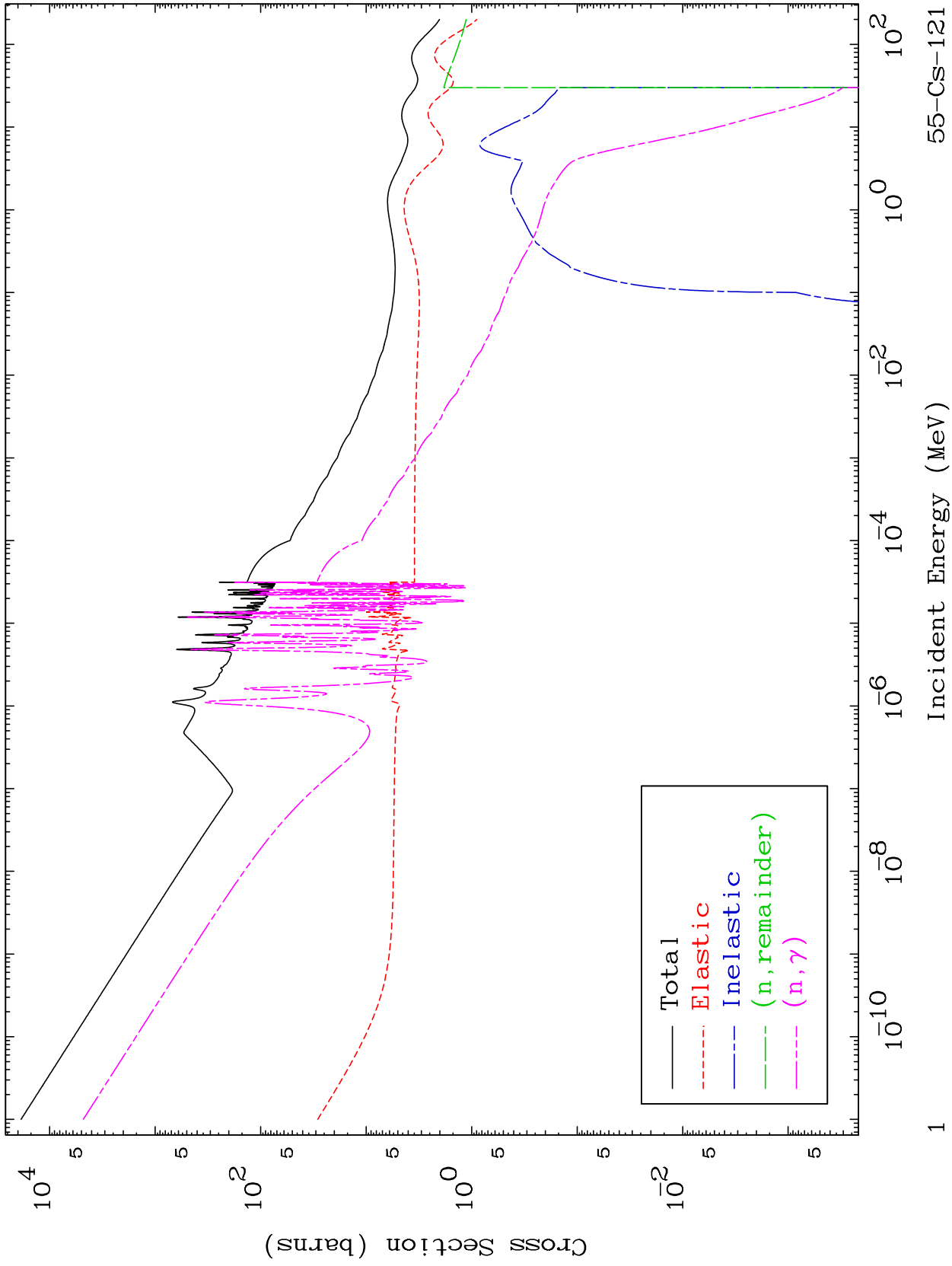
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5489

Major
293 Kelvin Cross Sections

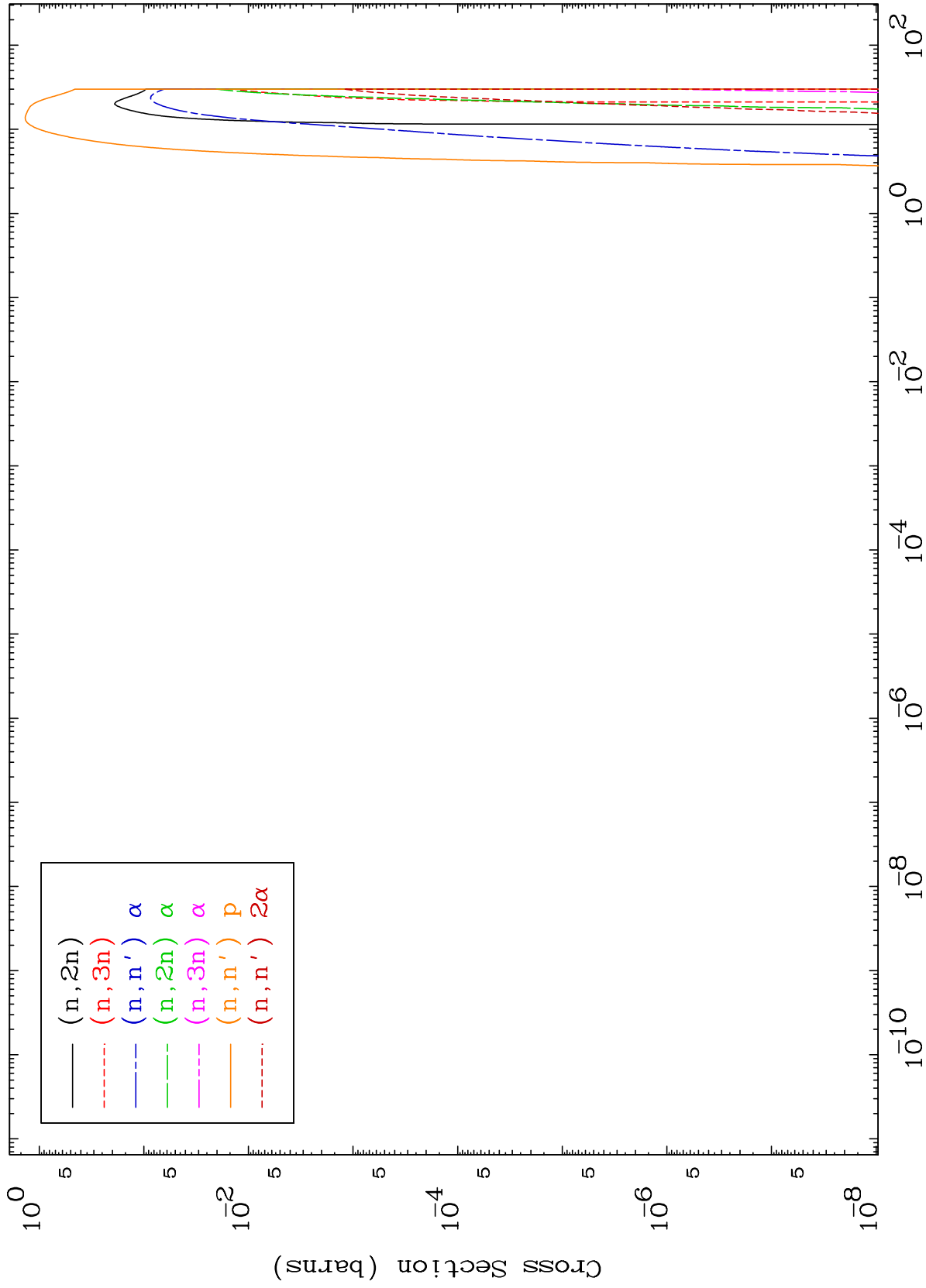
55-Cs-121



MAT 5489

Neutron Production
293 Kelvin Cross Sections

55-Cs-121



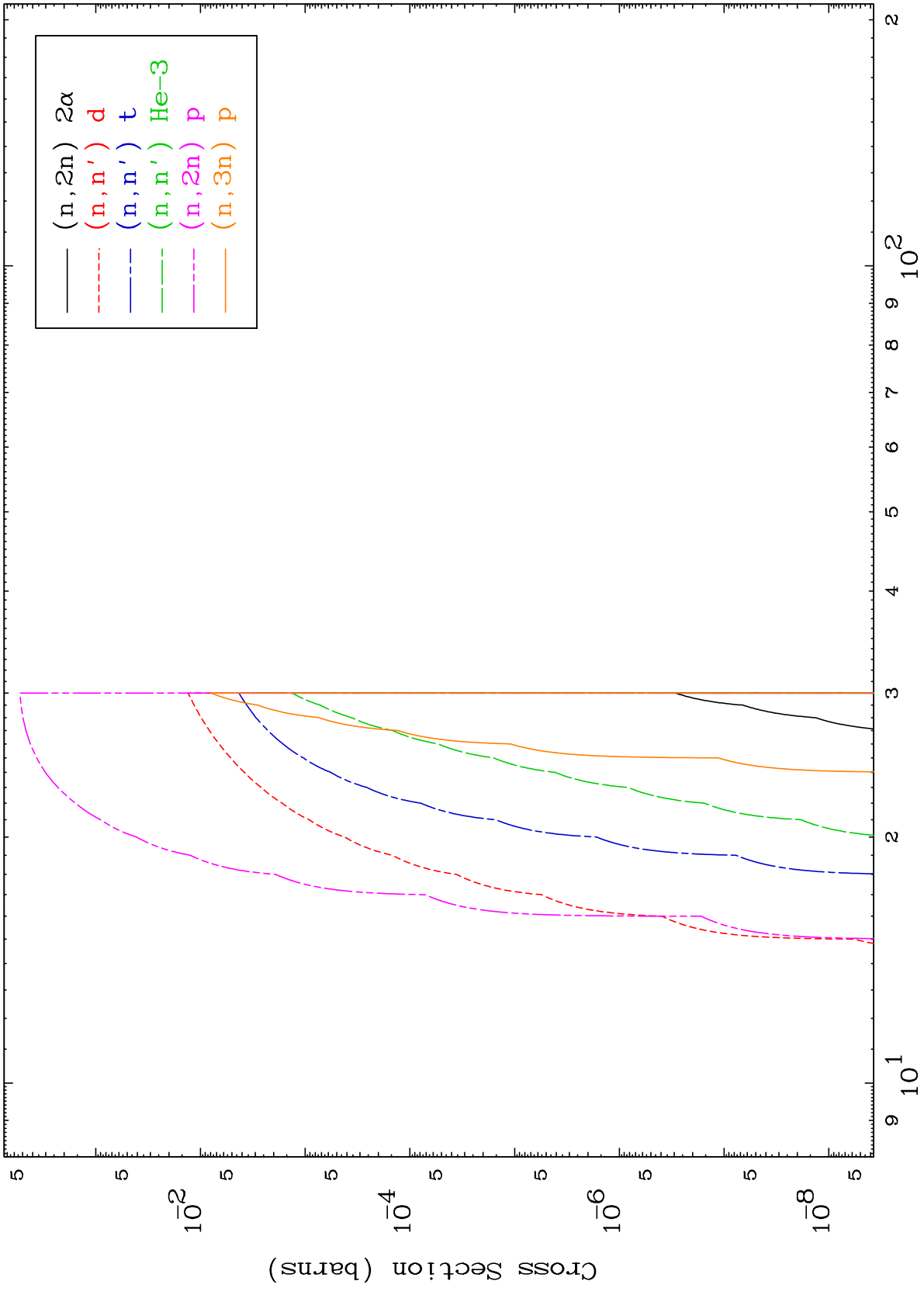
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55-Cs-121

MAT 5489

Neutron Production
293 Kelvin Cross Sections

55-Cs-121



3

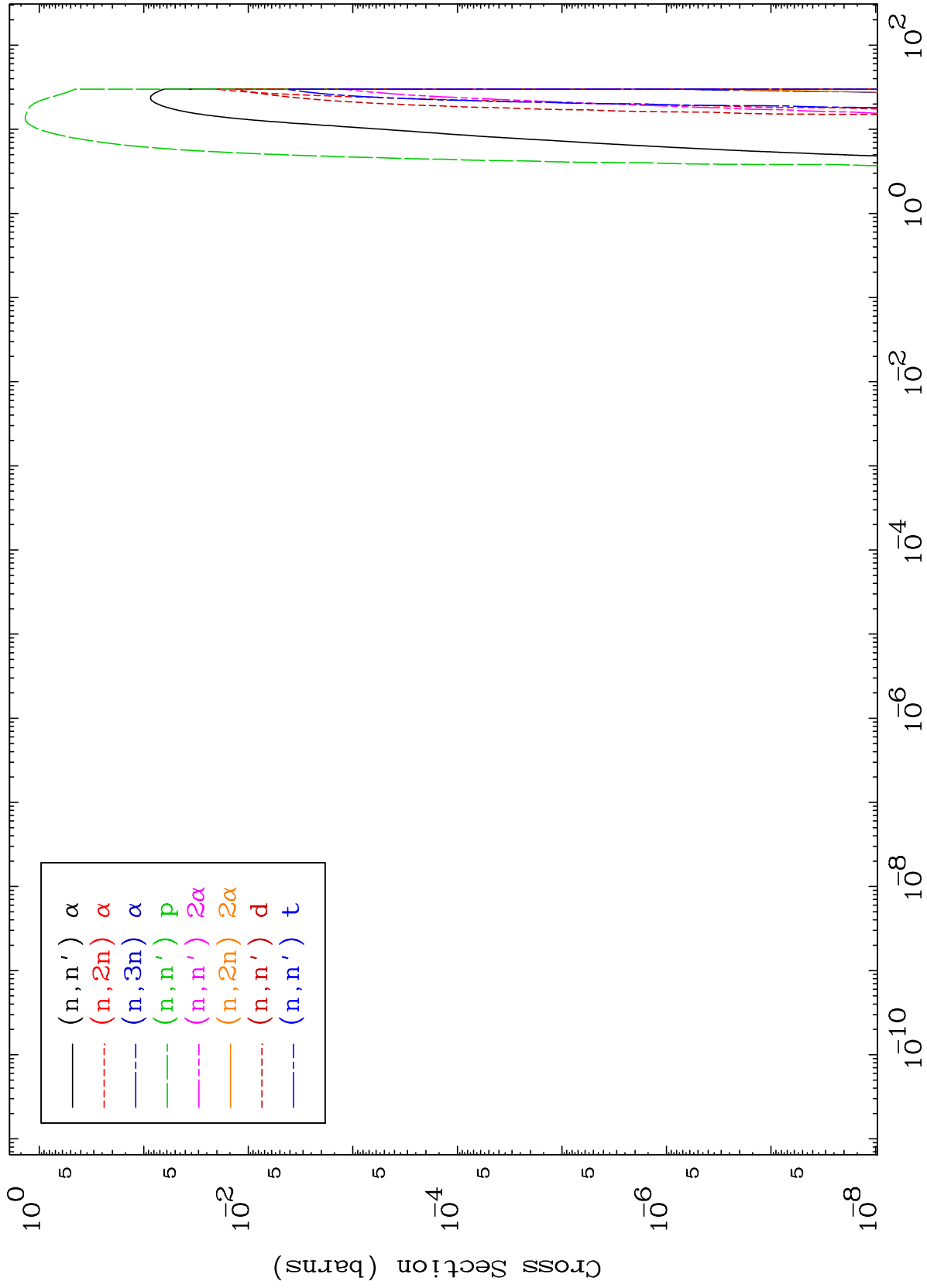
Incident Energy (MeV)

55-Cs-121

MAT 5489

293 Charged Particle
Kelvin Cross Sections

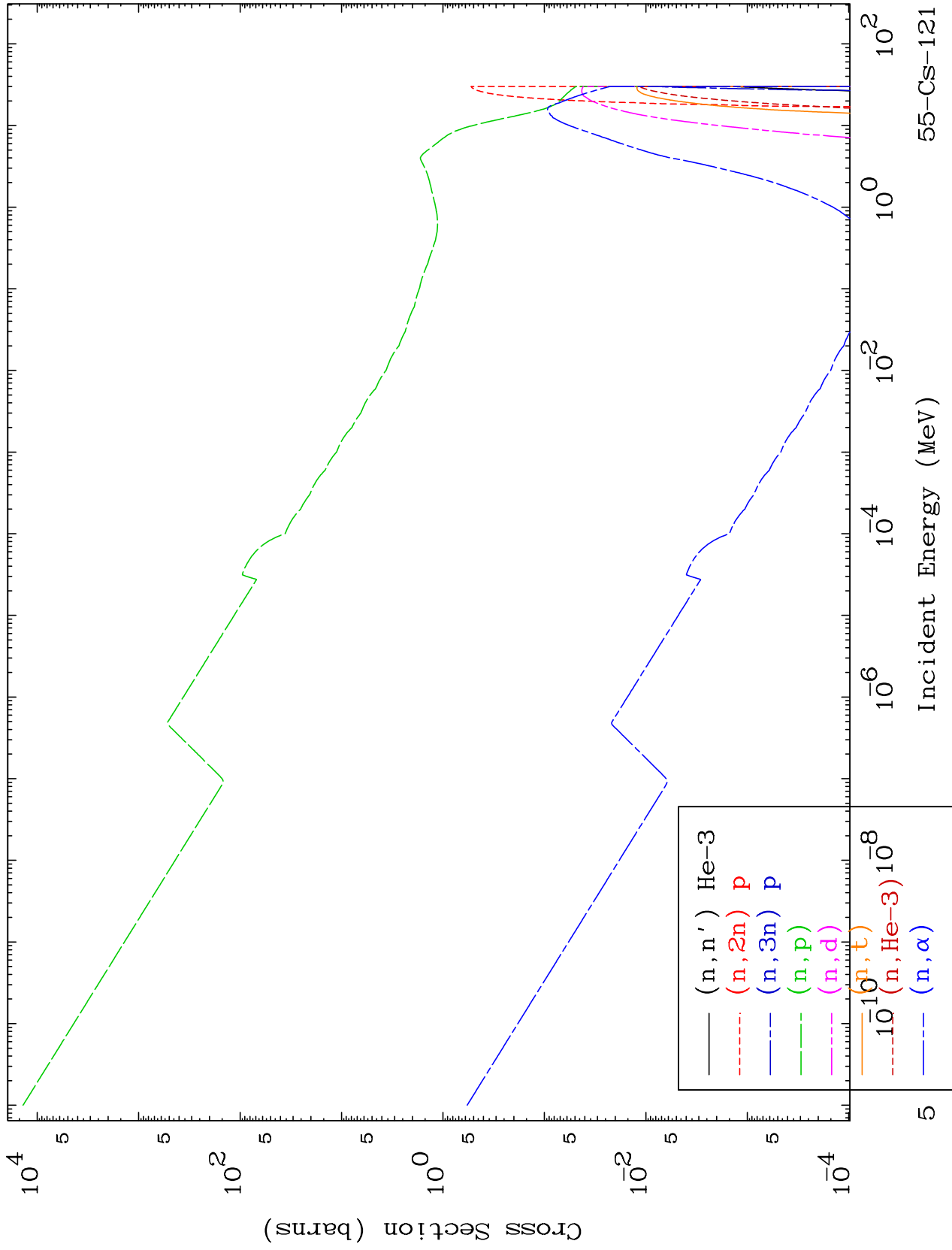
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MAT 5489

Charged Particle
293 Kelvin Cross Sections

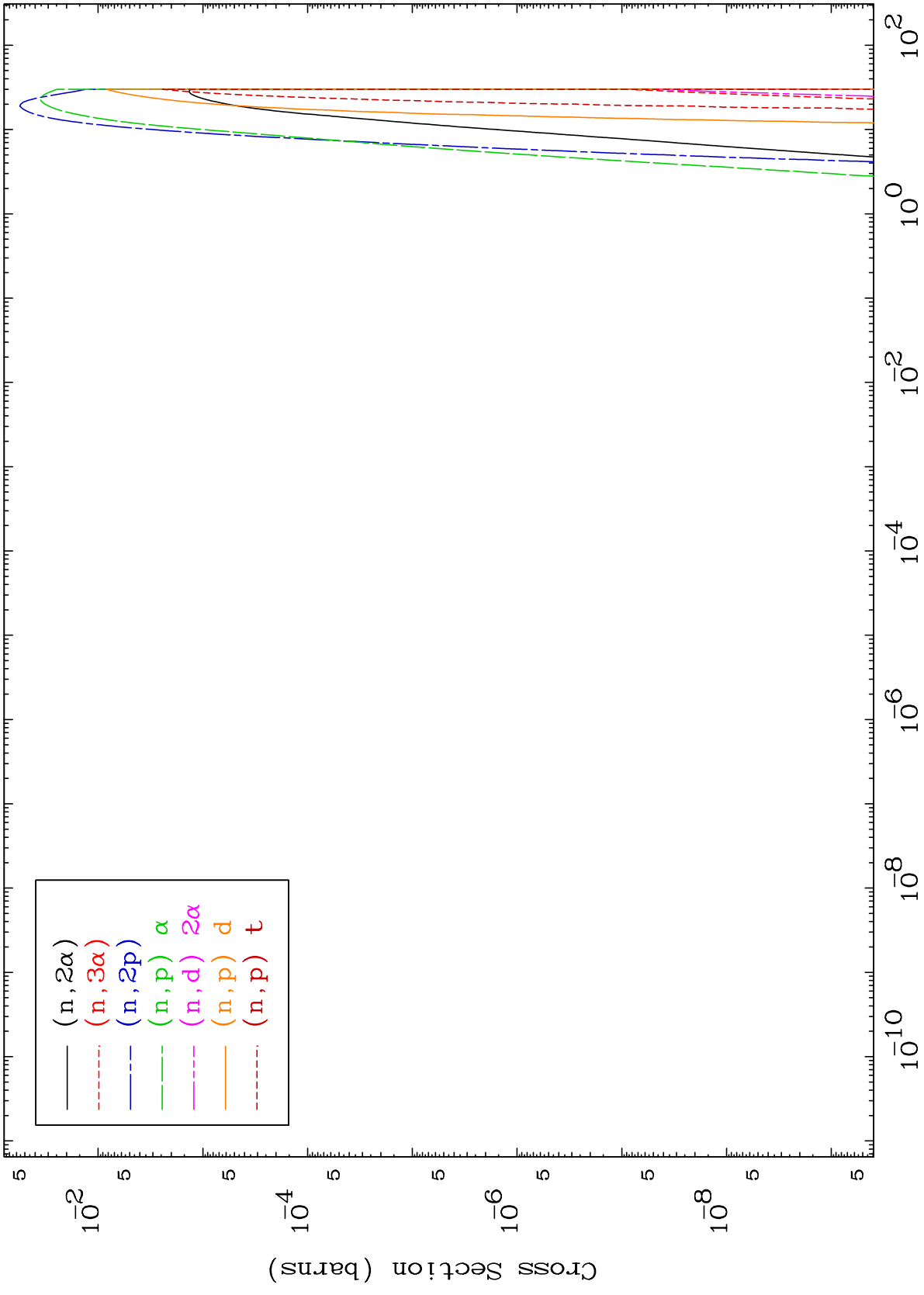
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MAT 5489

Charged Particle
293 Kelvin Cross Sections

55-Cs-121

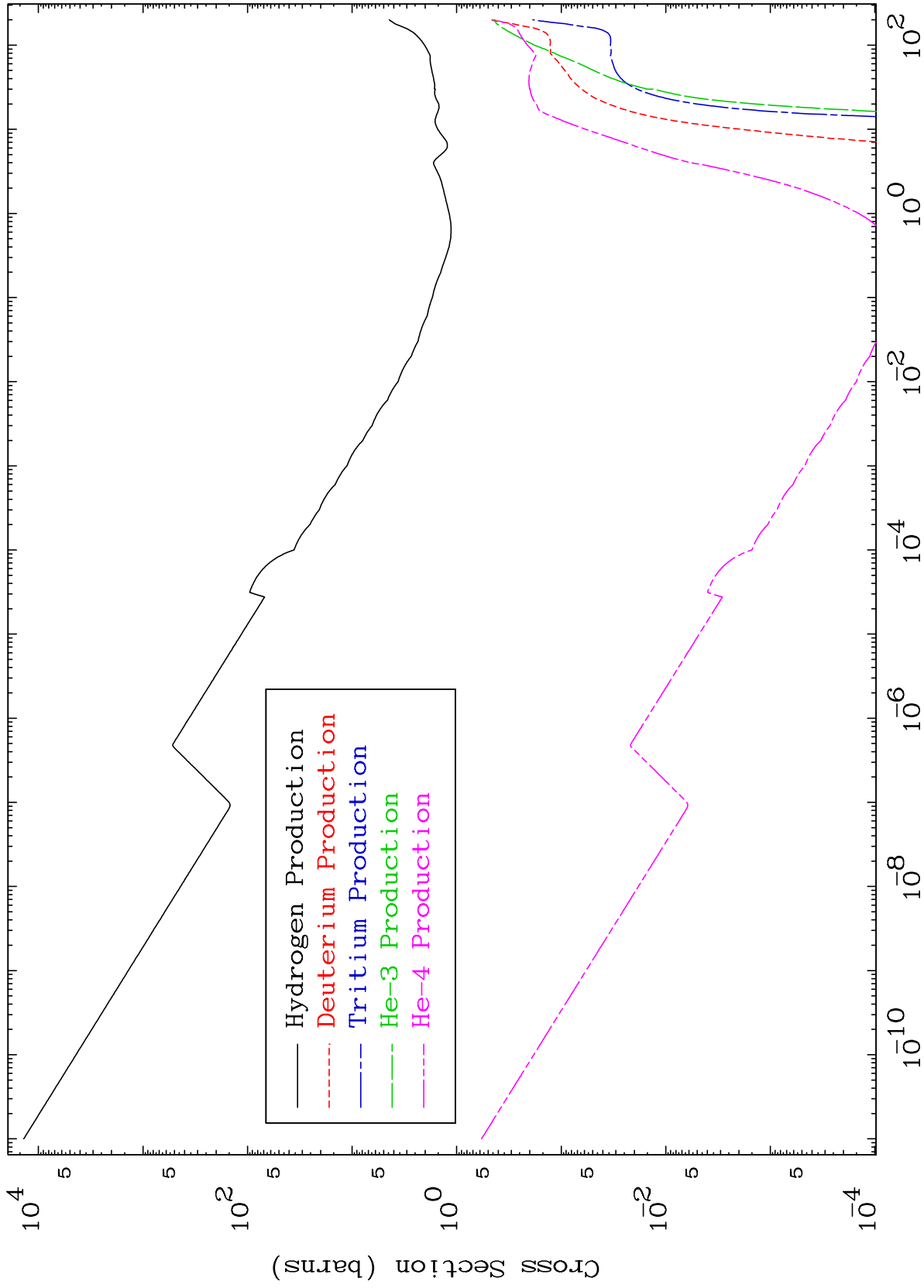


55-Cs-121

MAT 5489

Particle Production
293 Kelvin Cross Sections

55-Cs-121

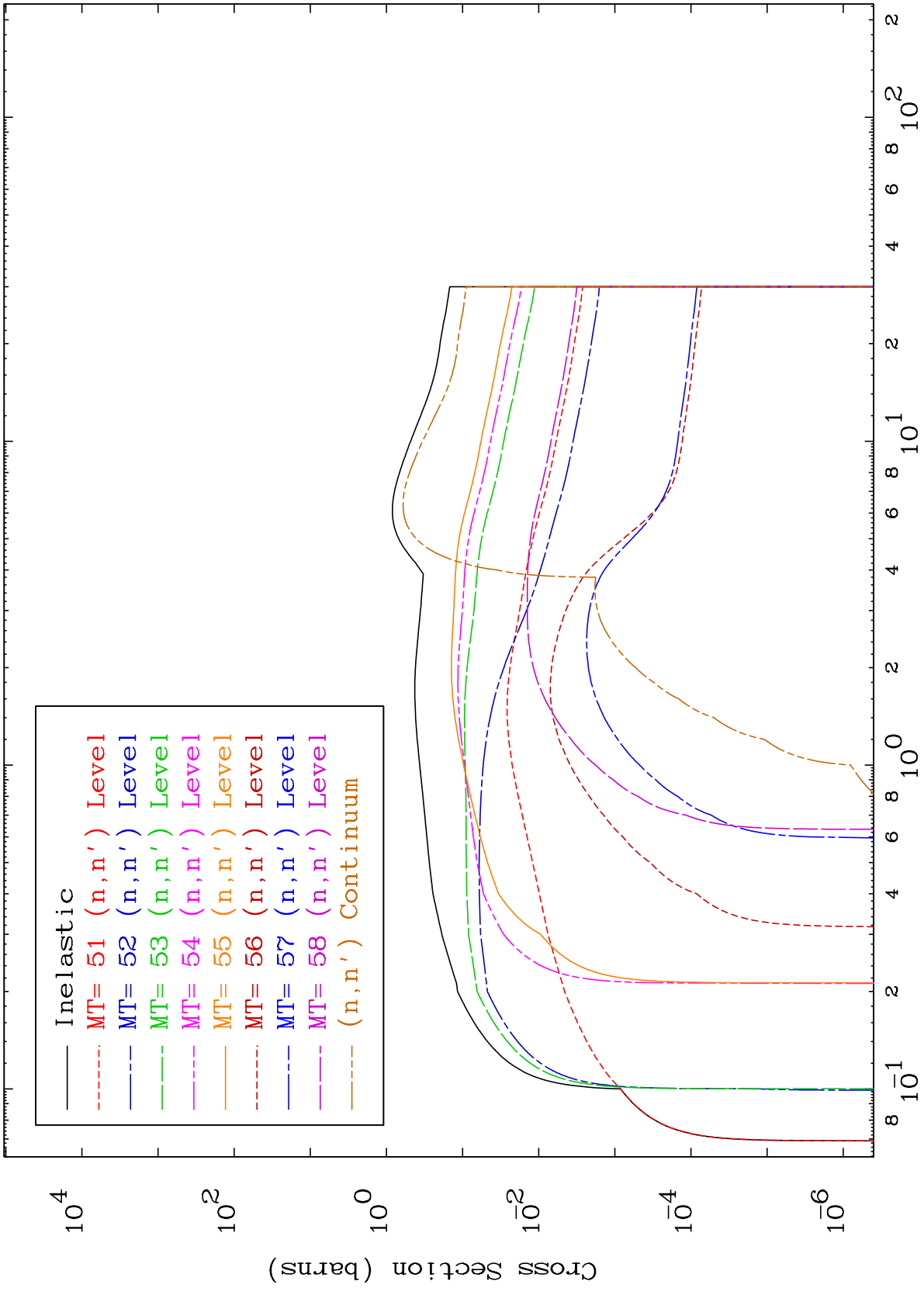


55-Cs-121

MAT 5489

(n,n') Level
293 Kelvin Cross Sections

55-Cs-121



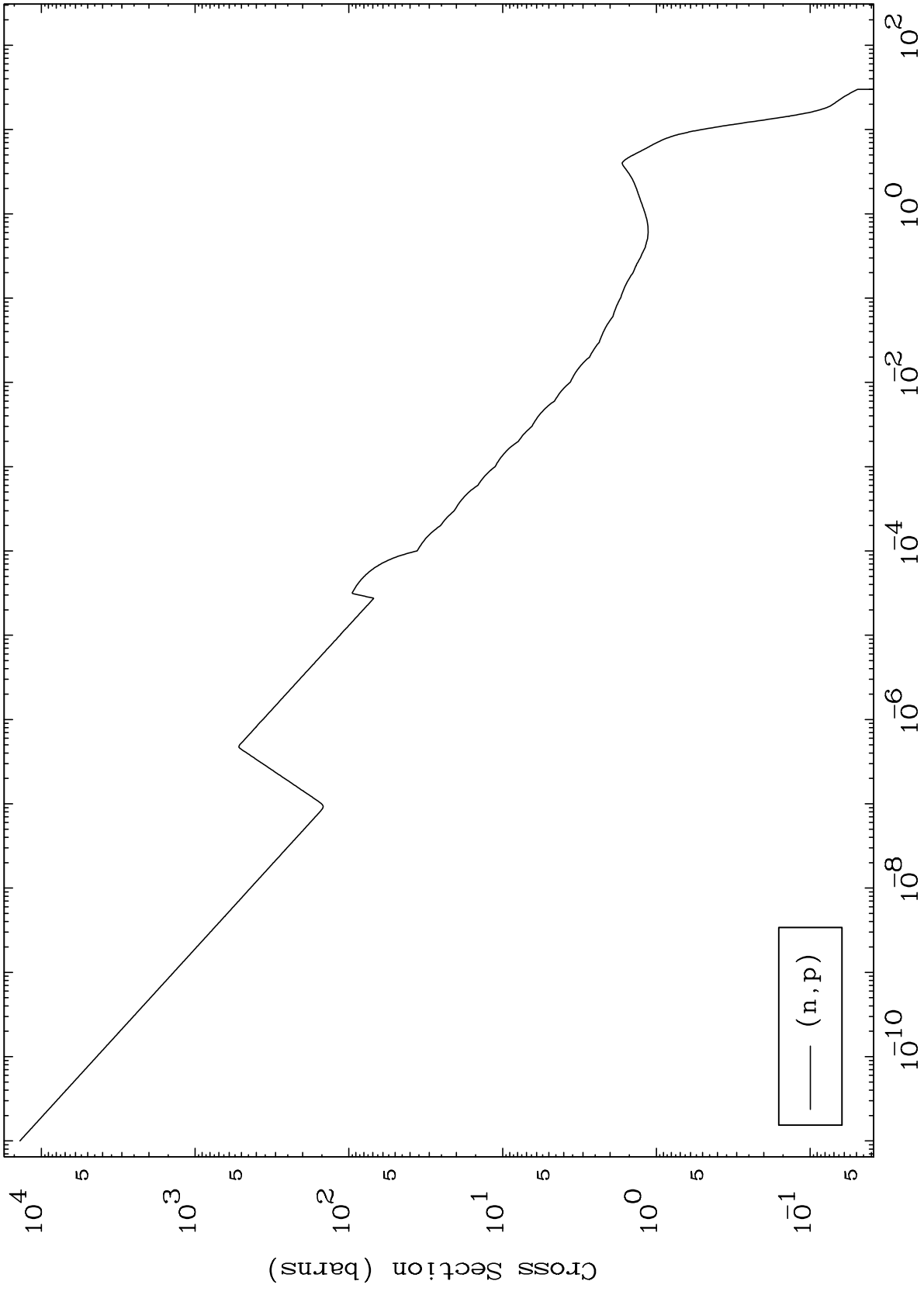
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55-Cs-121

MAT 5489

(n,p) Levels
293 Kelvin Cross Sections

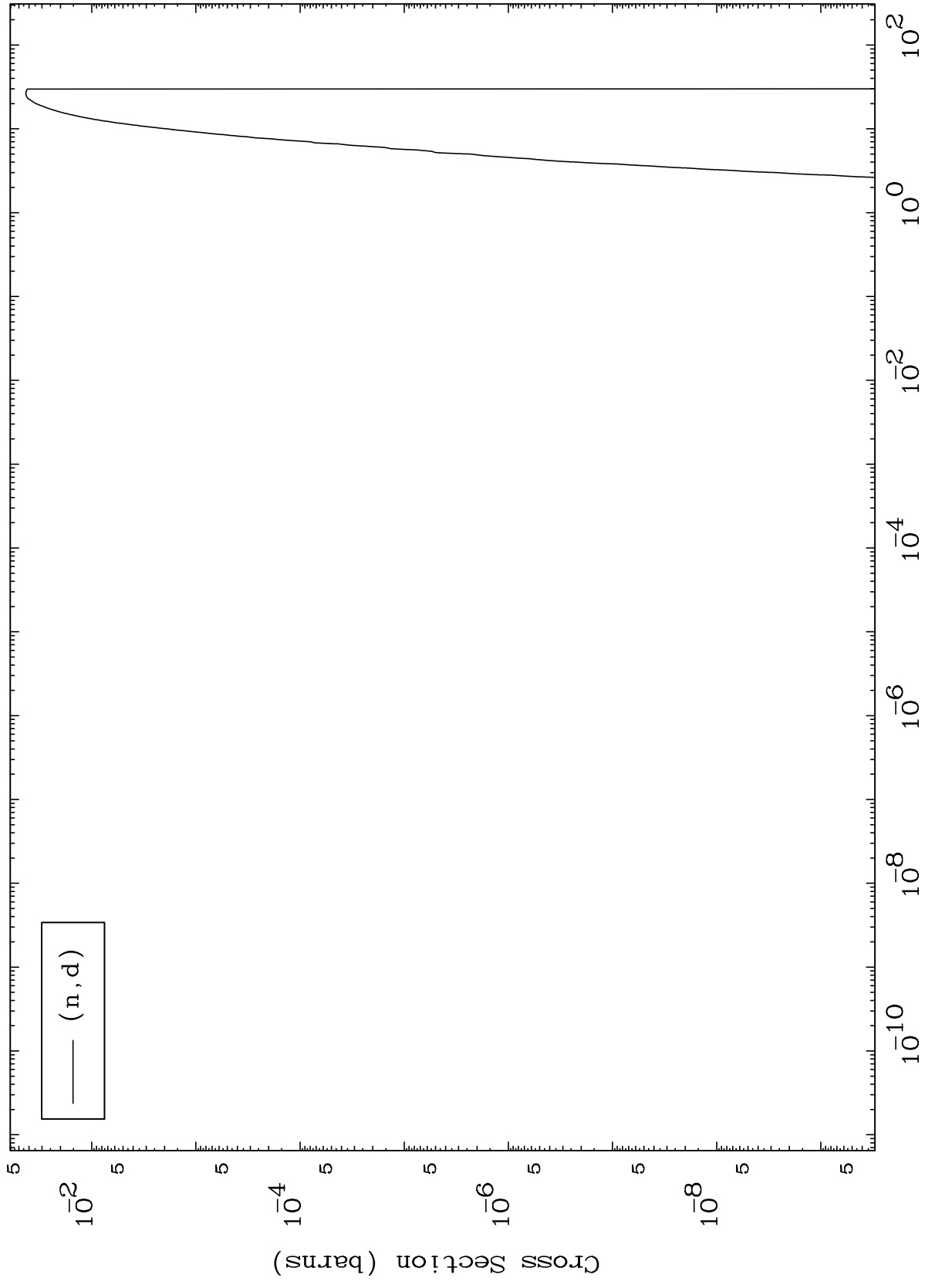
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MAT 5489

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-121



10

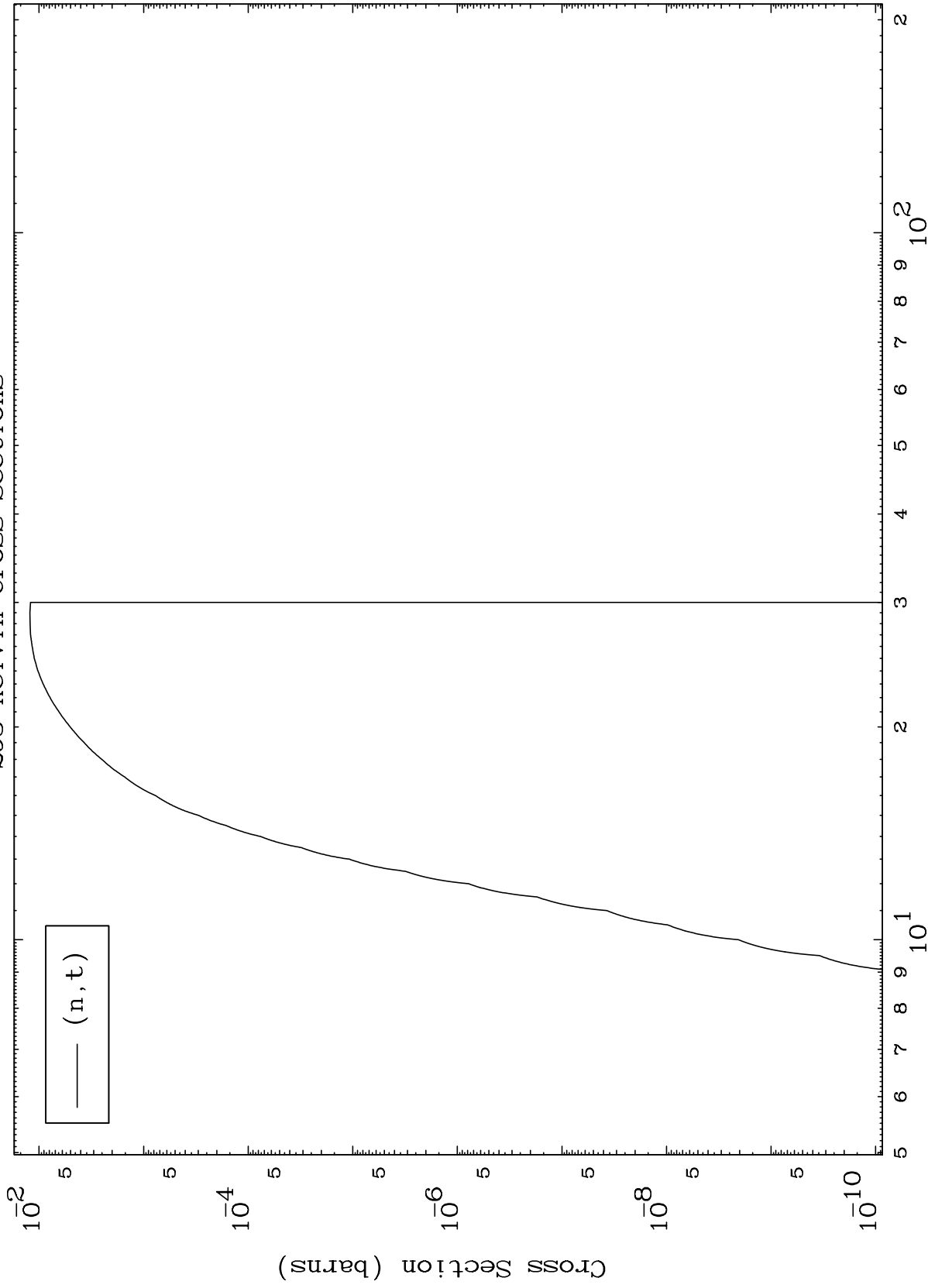
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-121



11

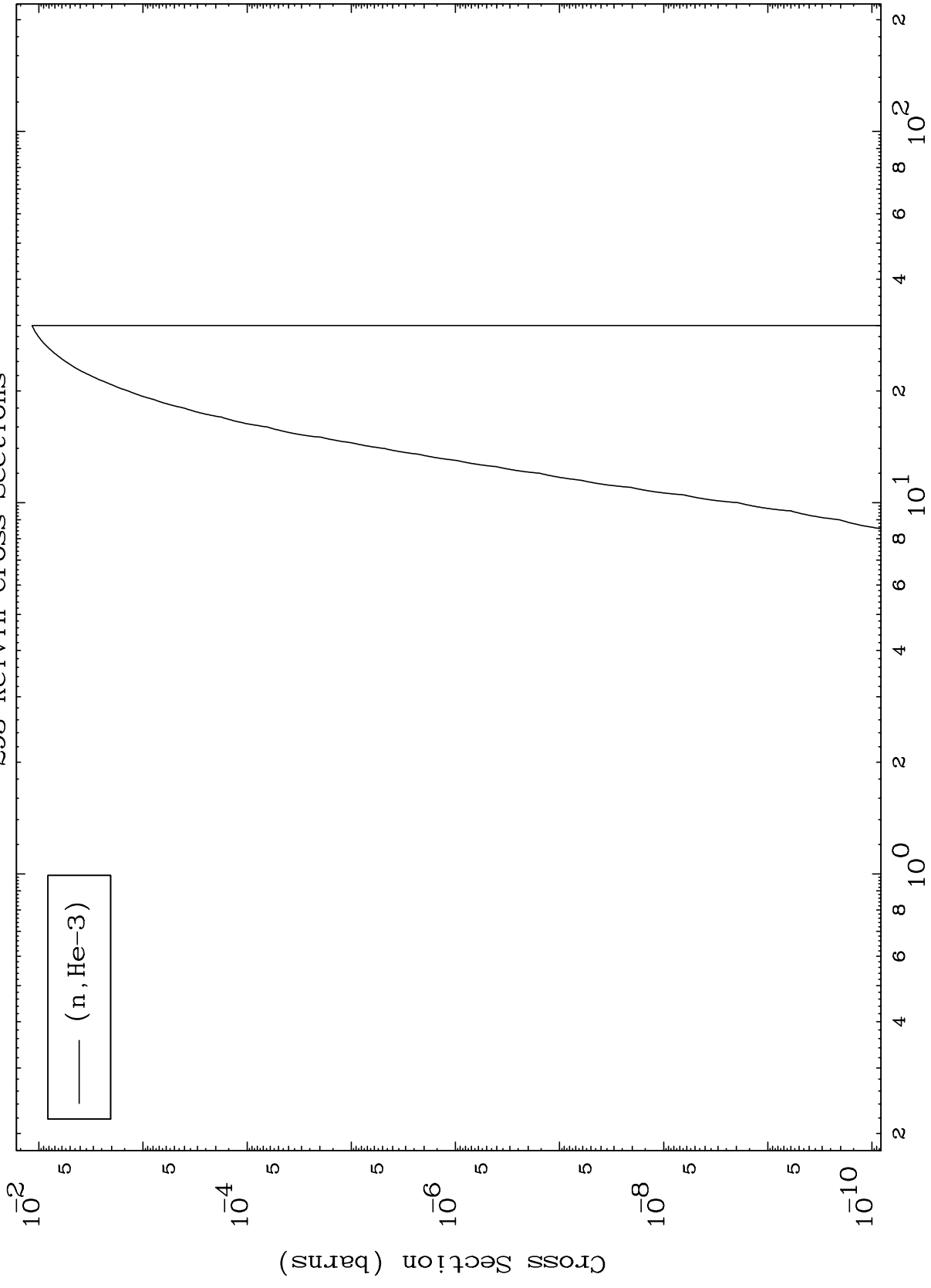
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-121



12

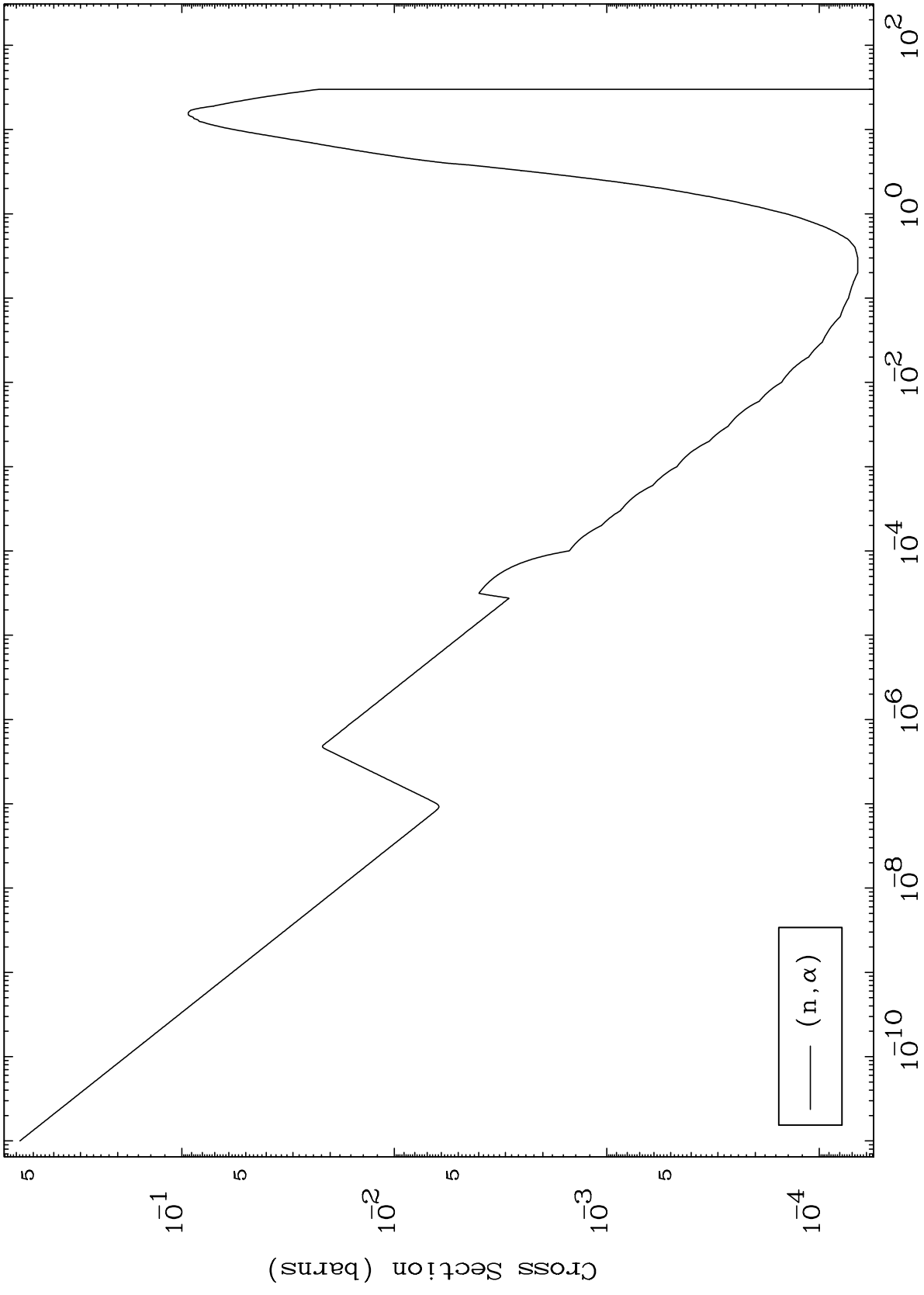
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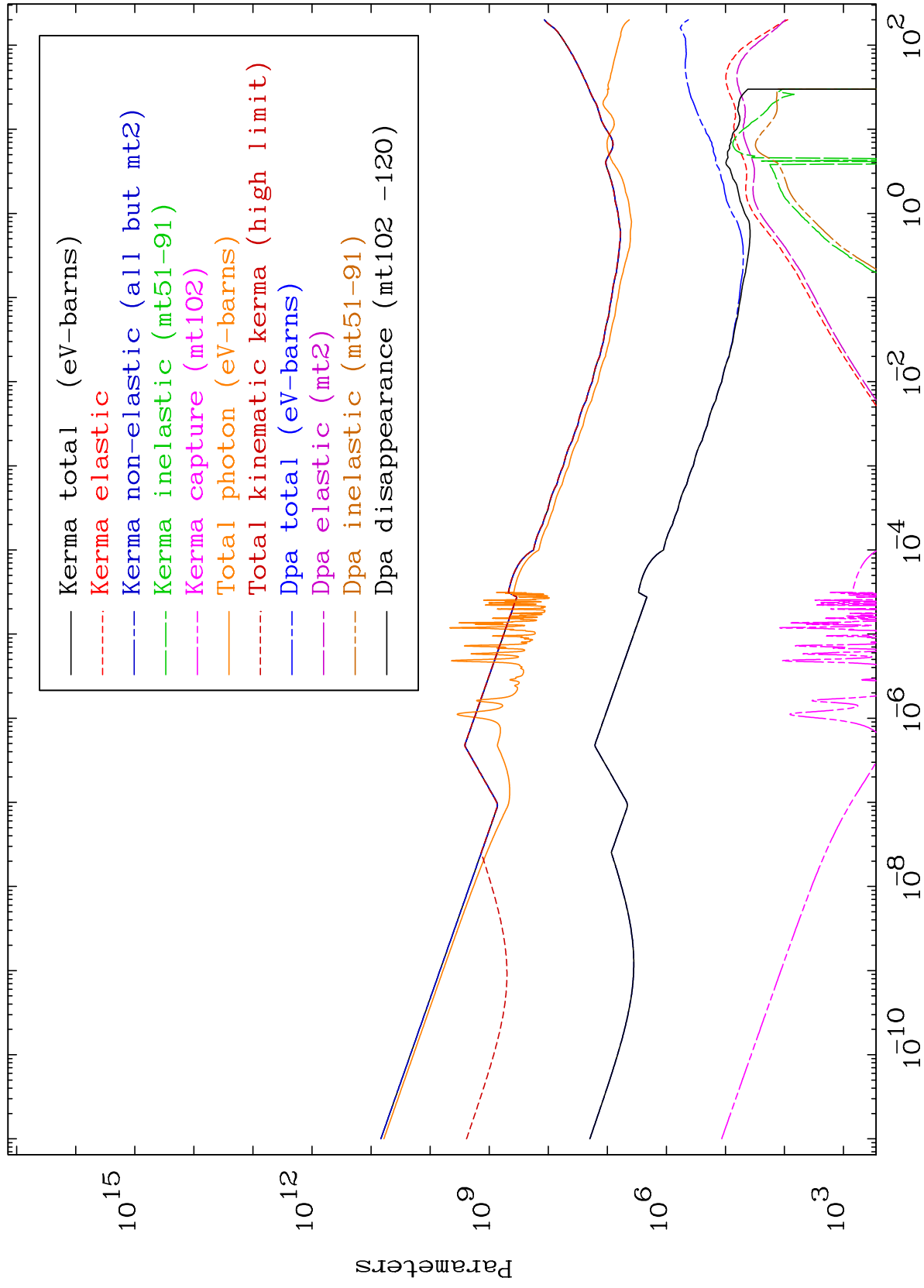
55-Cs-121

MAT 5489

(n,α) Levels
293 Kelvin Cross Sections

55-Cs-121

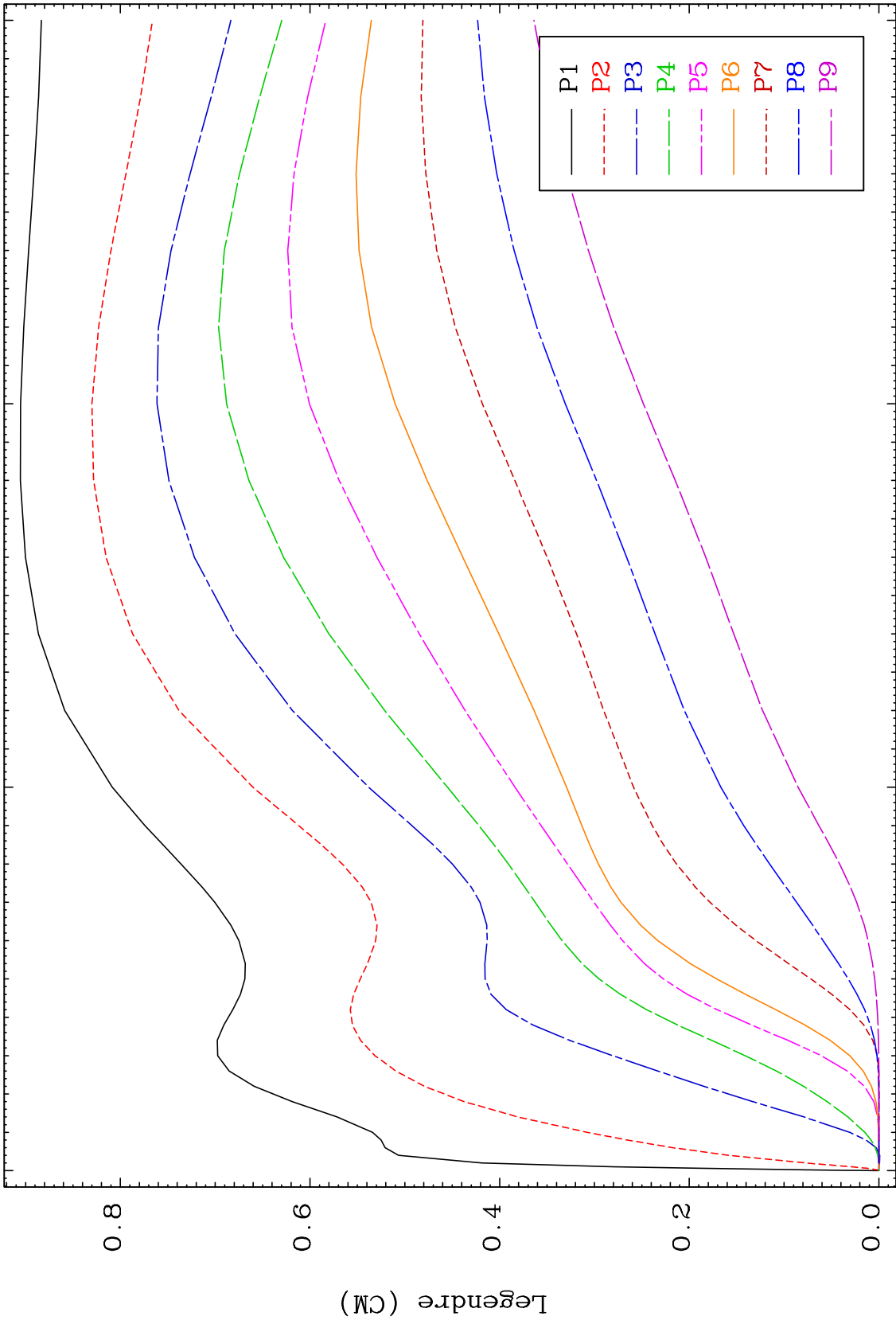




MAT 5489

Elastic Legendre Coefficients

55-Cs-121



0

0.0

0.2

0.4

0.6

0.8

15

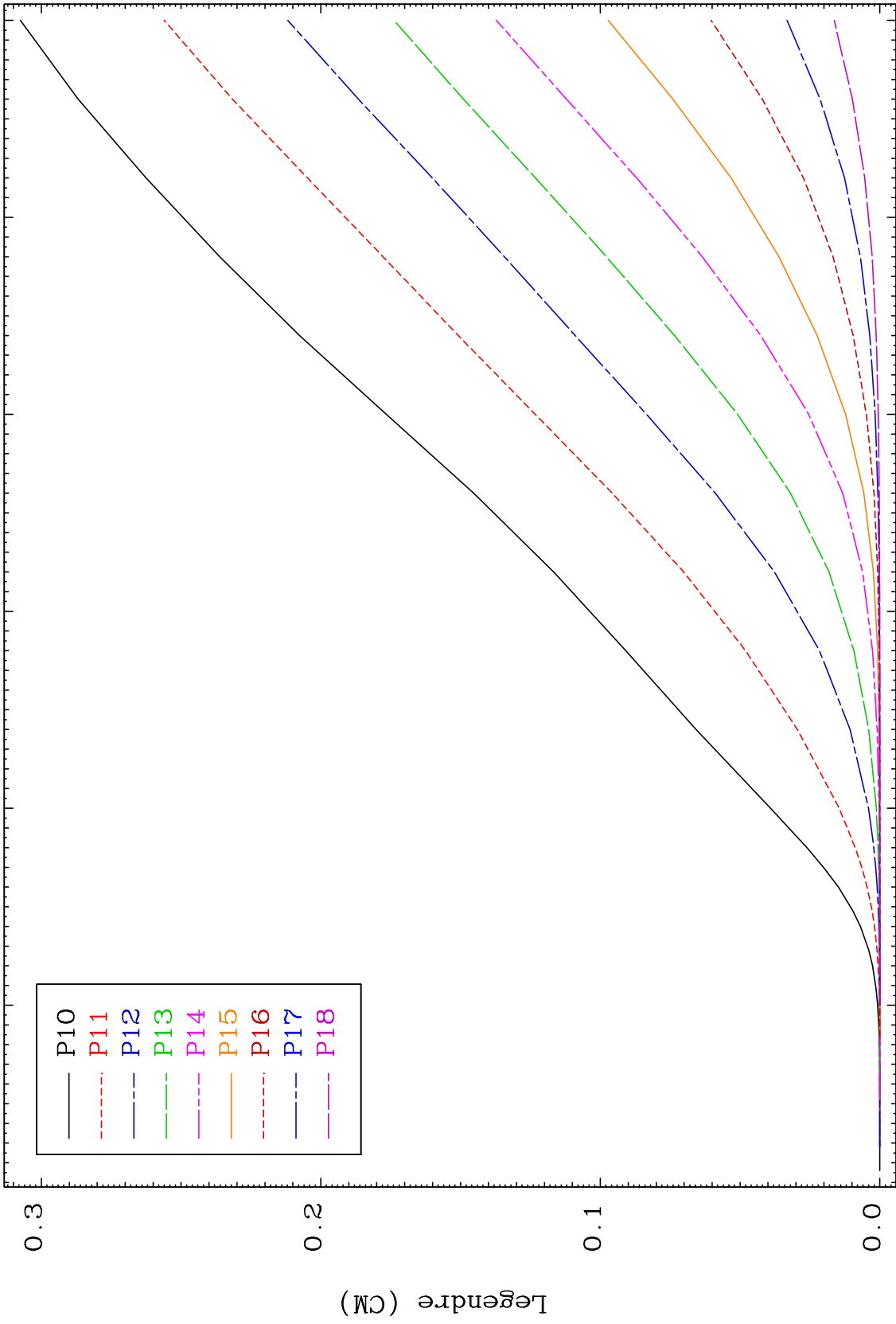
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30

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



16

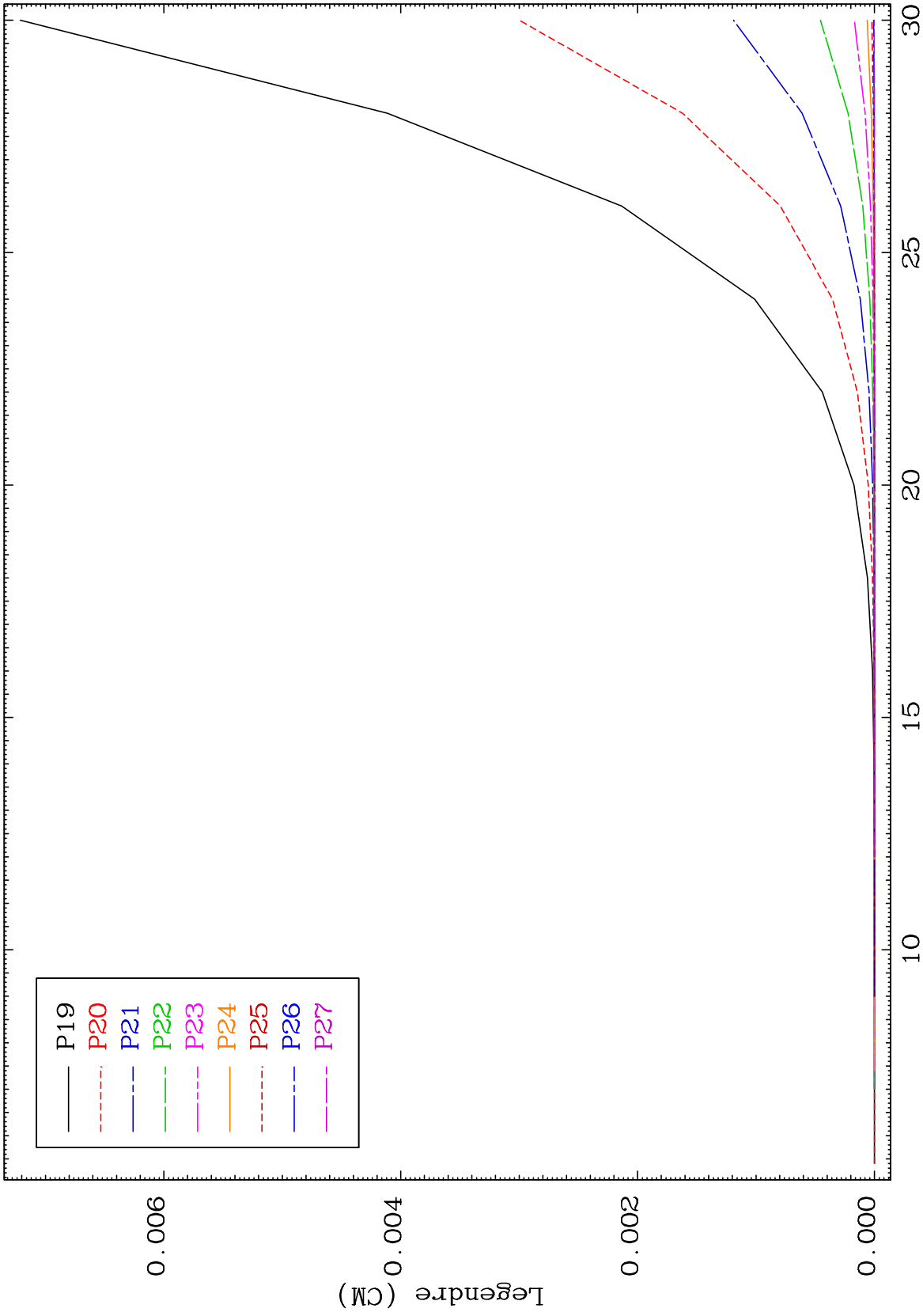
Incident Energy (MeV)

55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



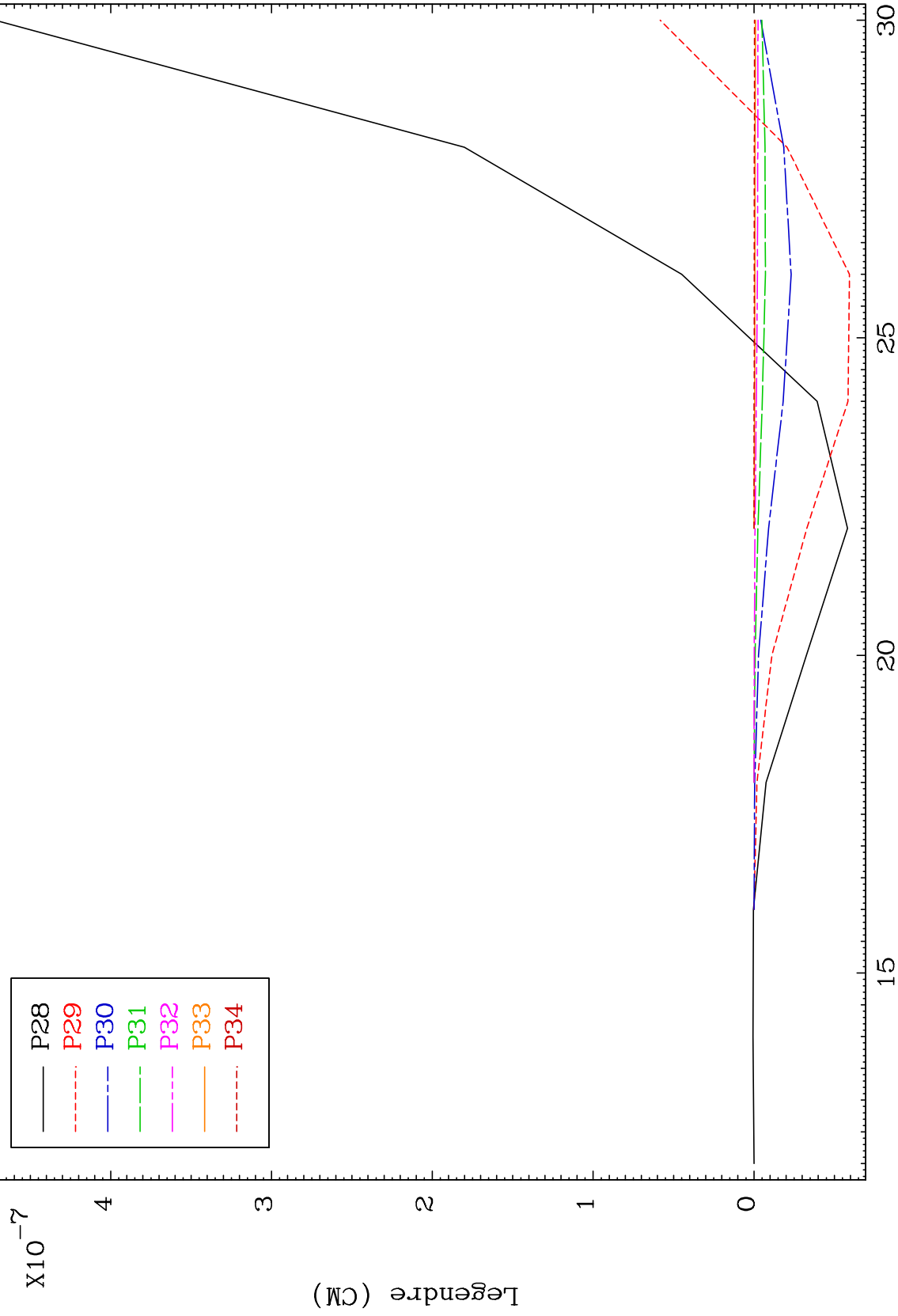
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55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



18

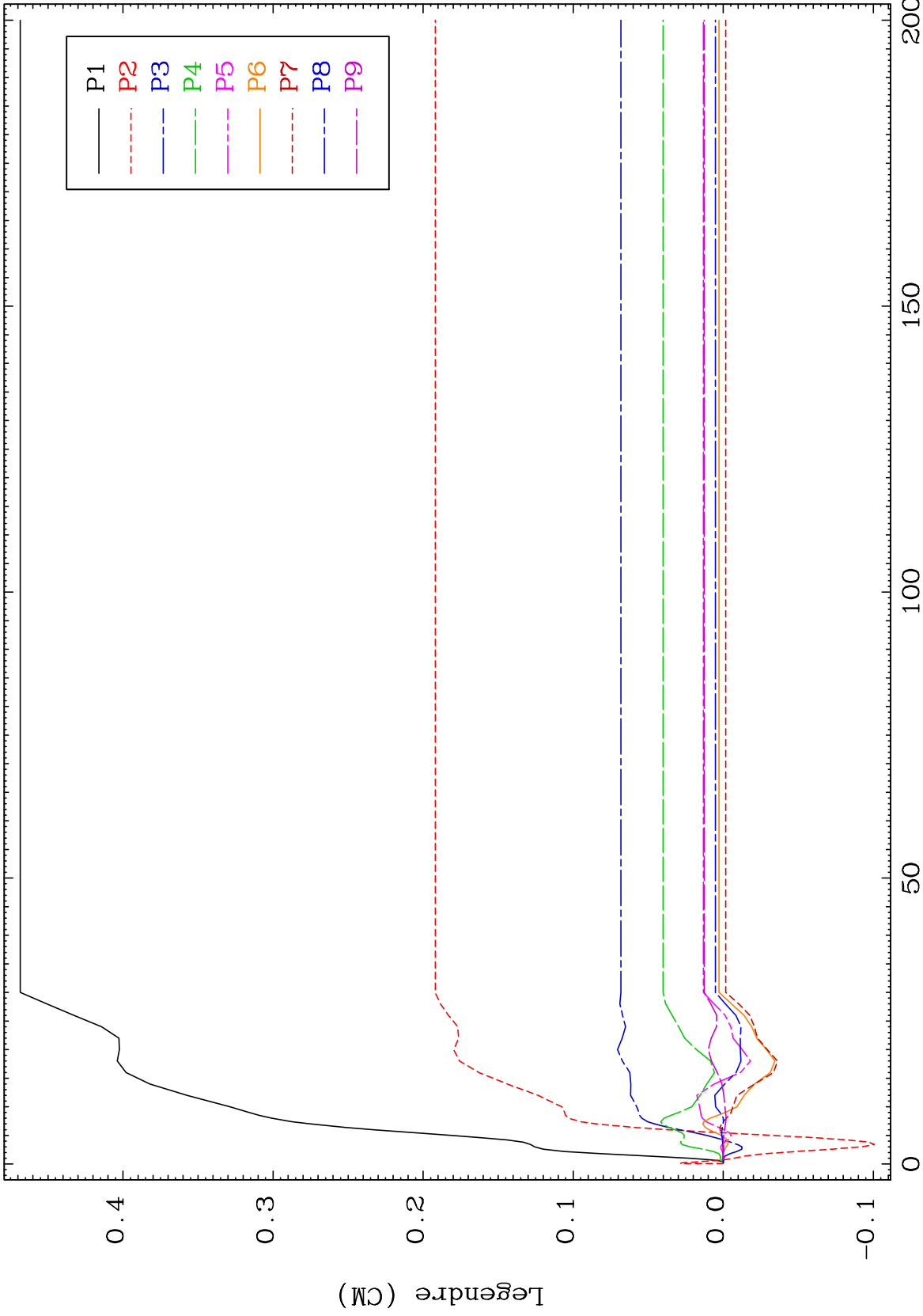
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



19

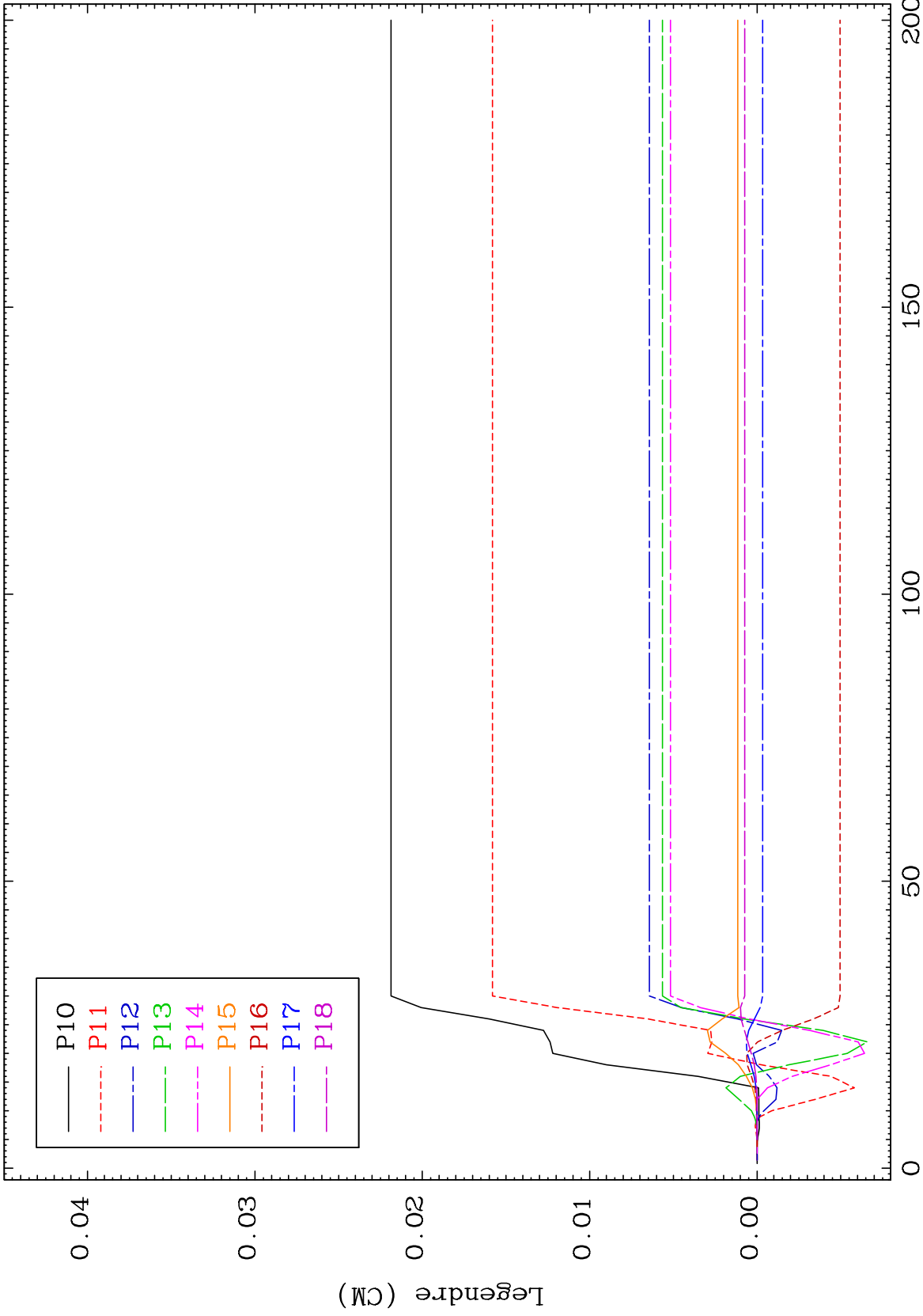
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



20

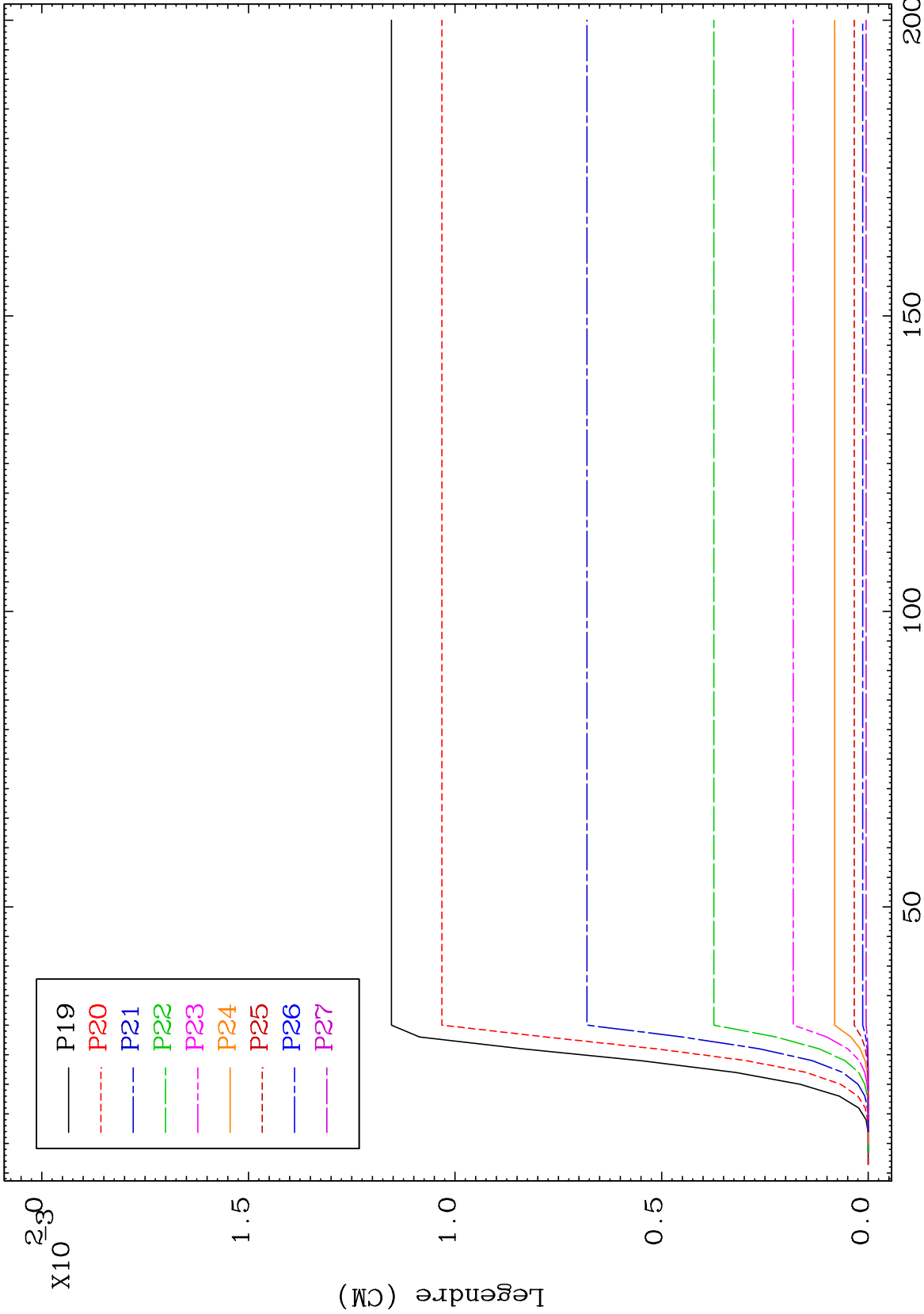
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



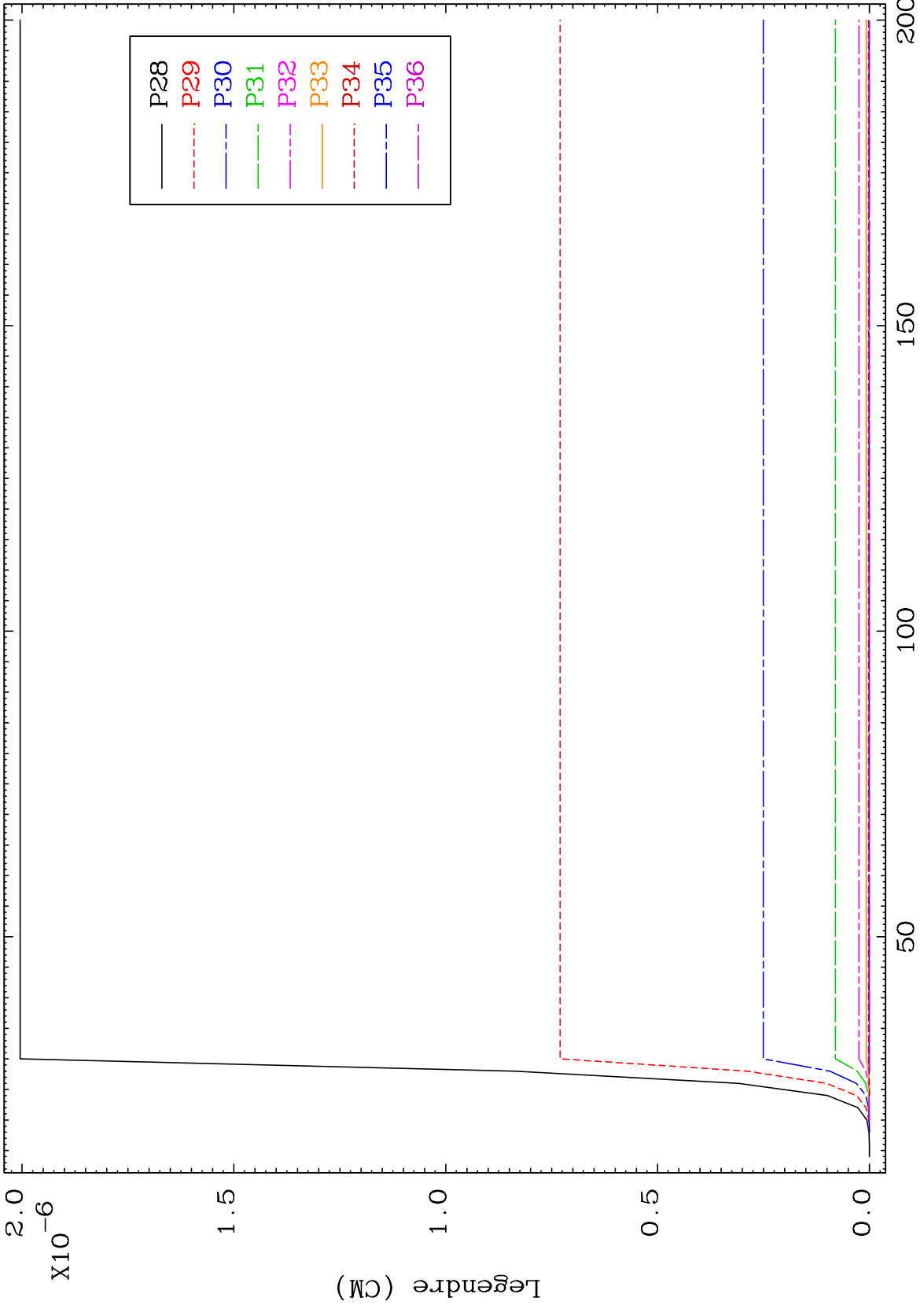
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55-Cs-121

MAT 5489

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

55-Cs-121



22

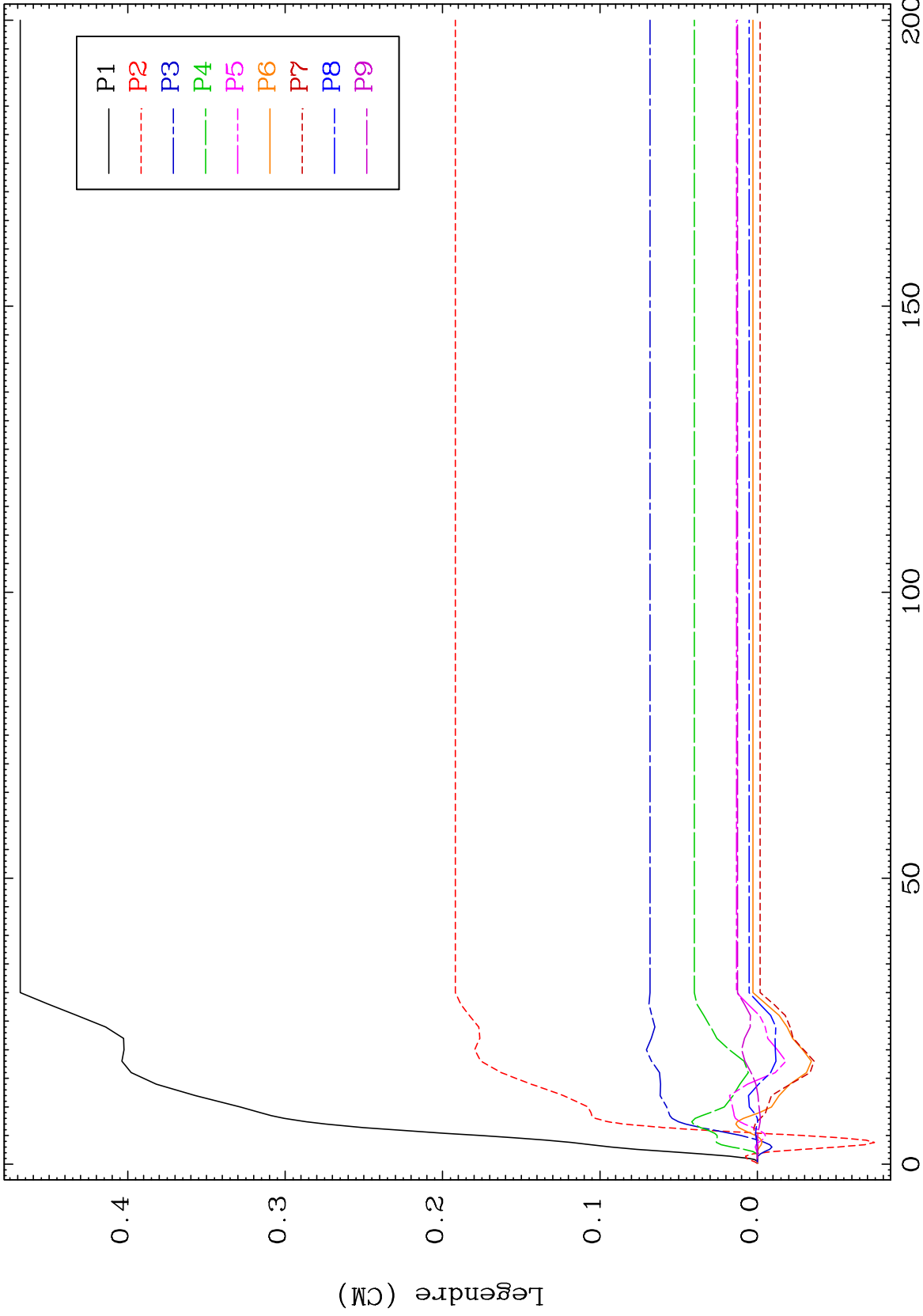
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



23

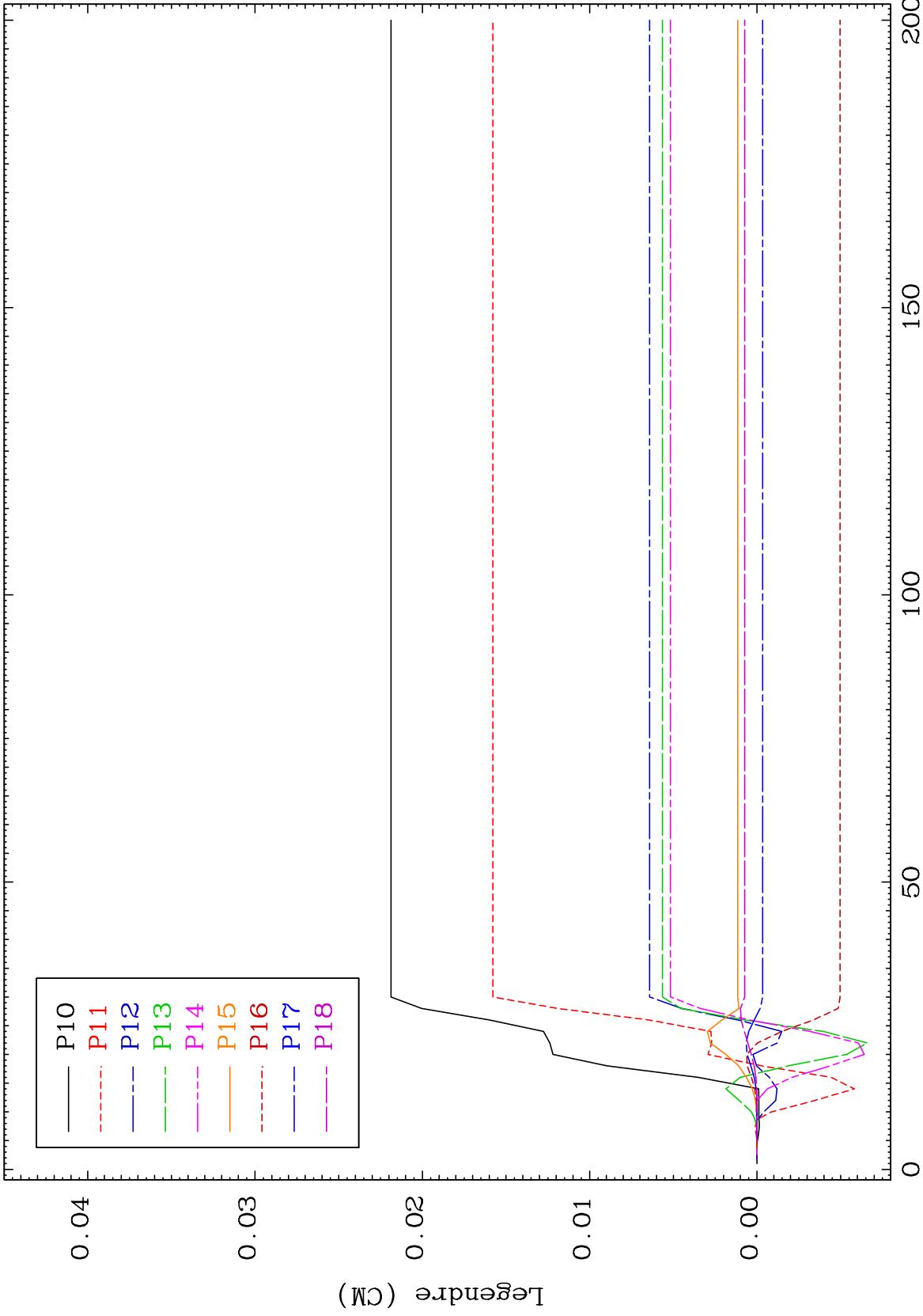
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



24

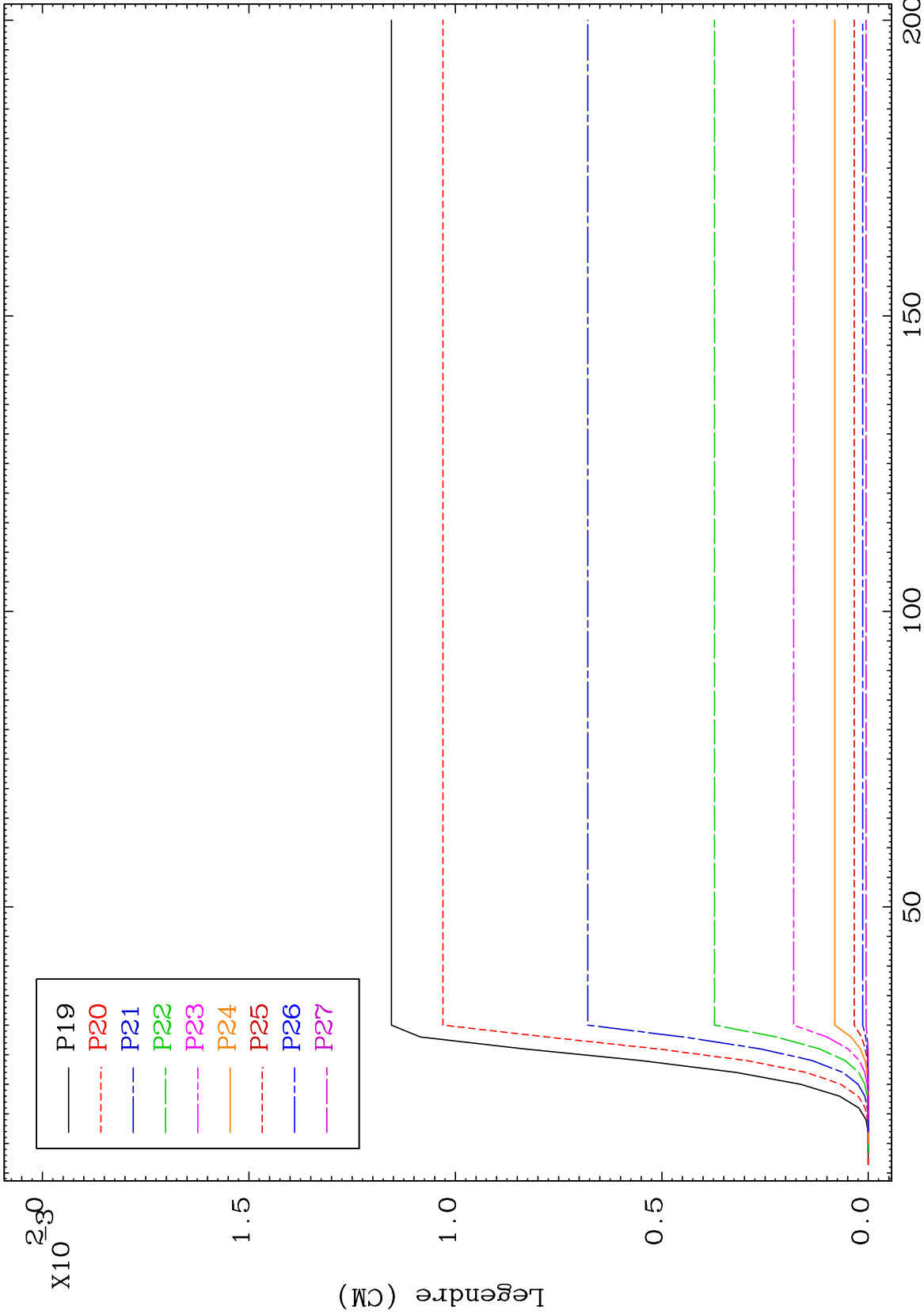
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



25

50

100

150

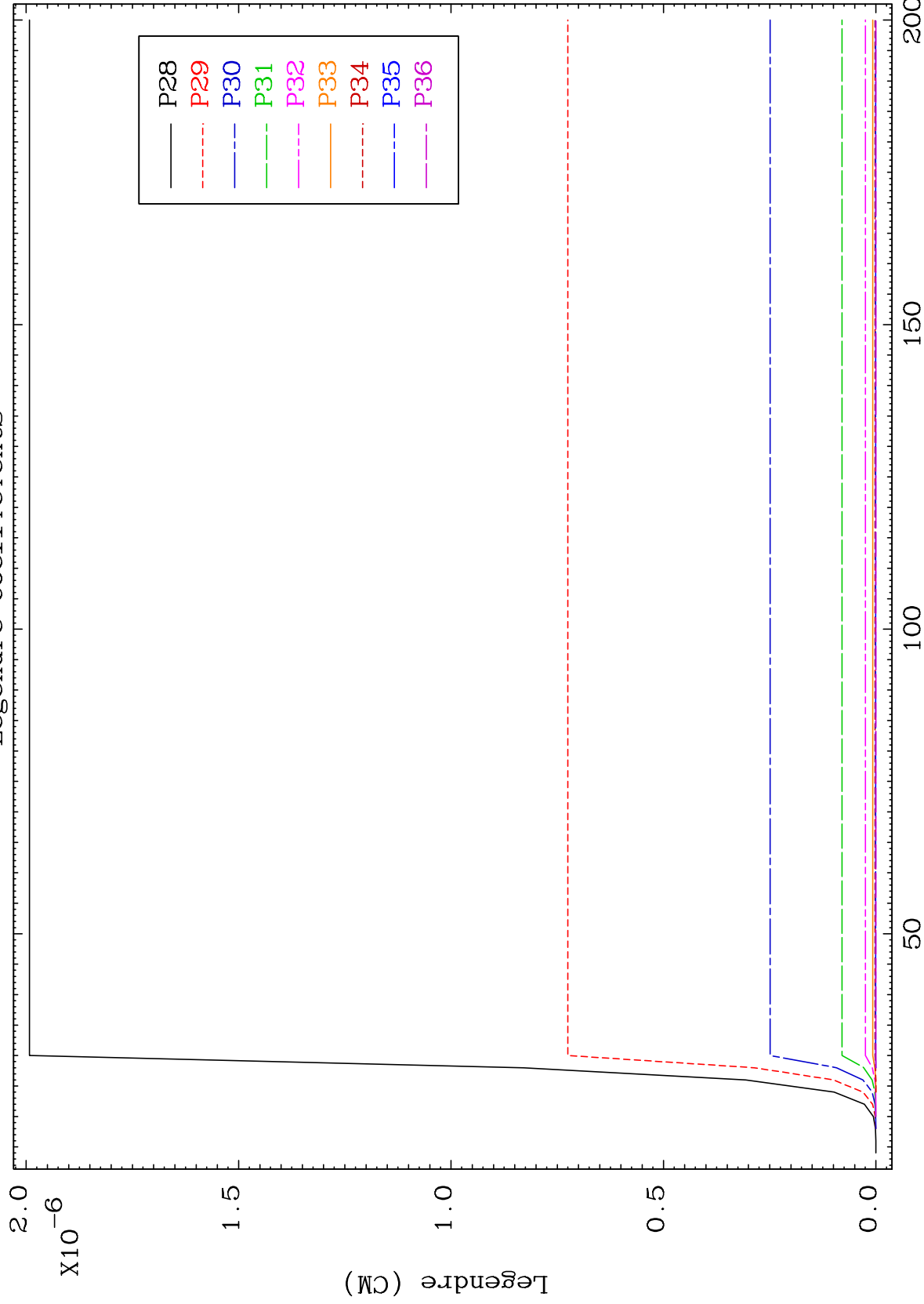
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55-Cs-121

MAT 5489

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

55-Cs-121



26

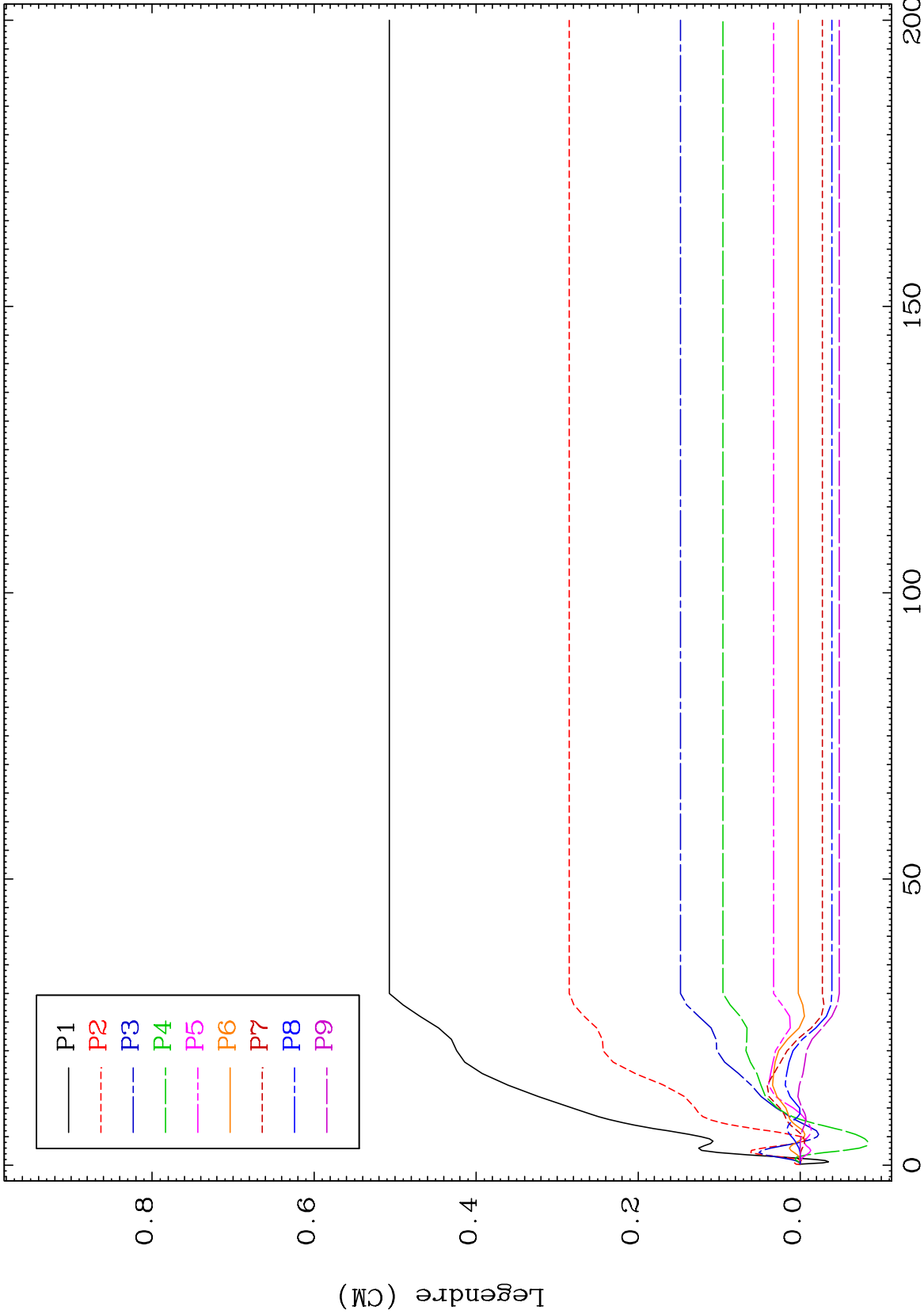
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



27

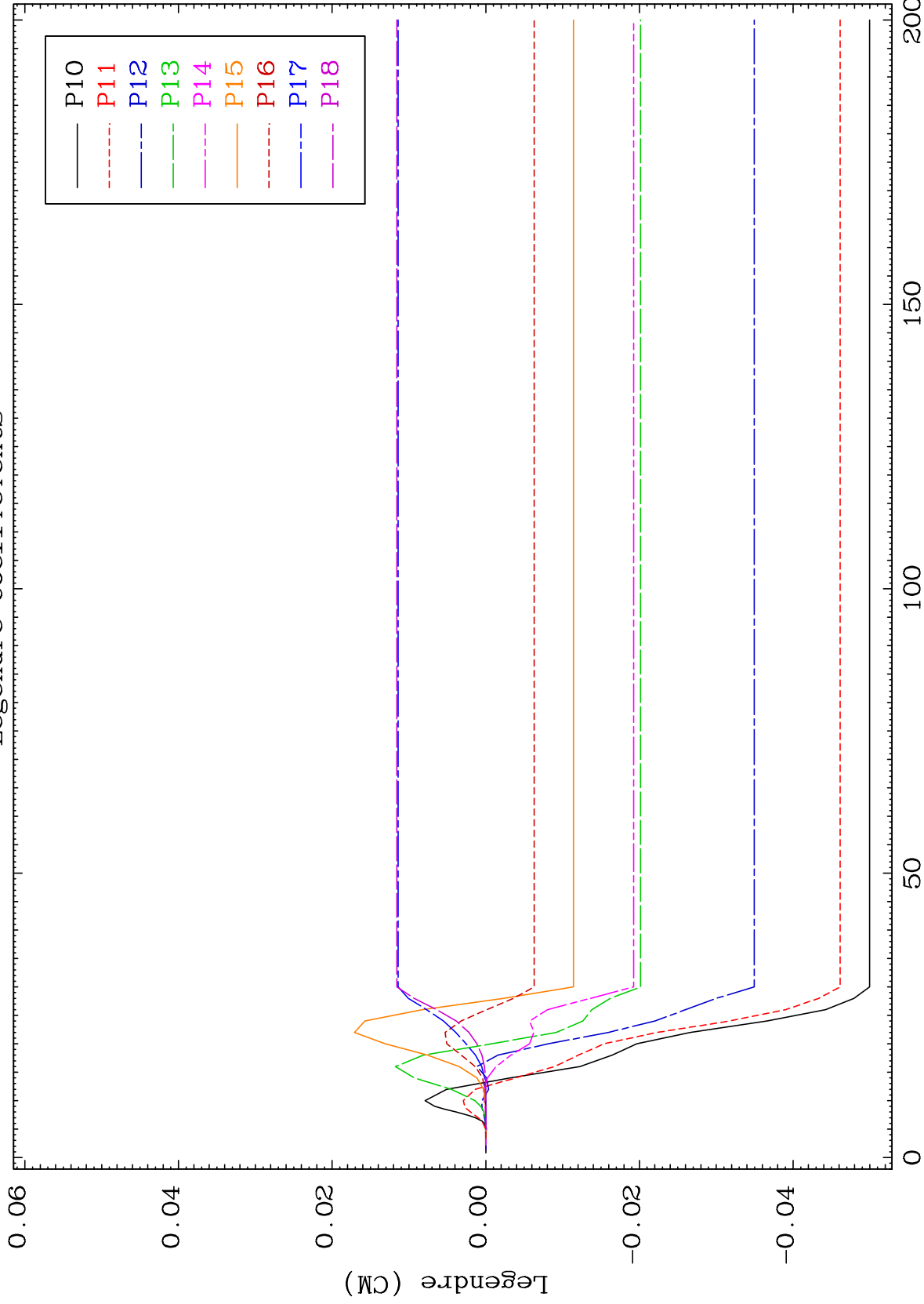
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



28

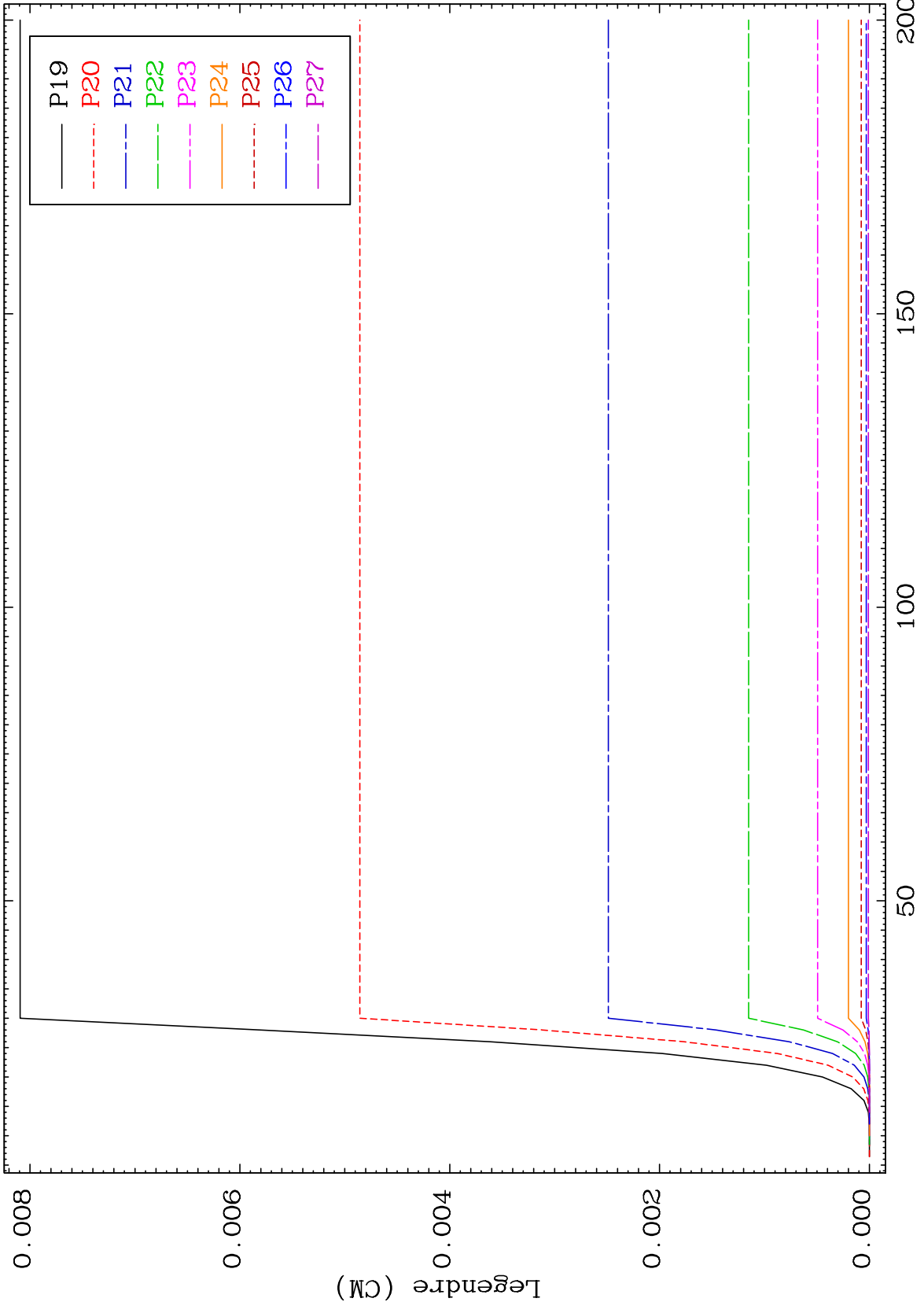
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



29

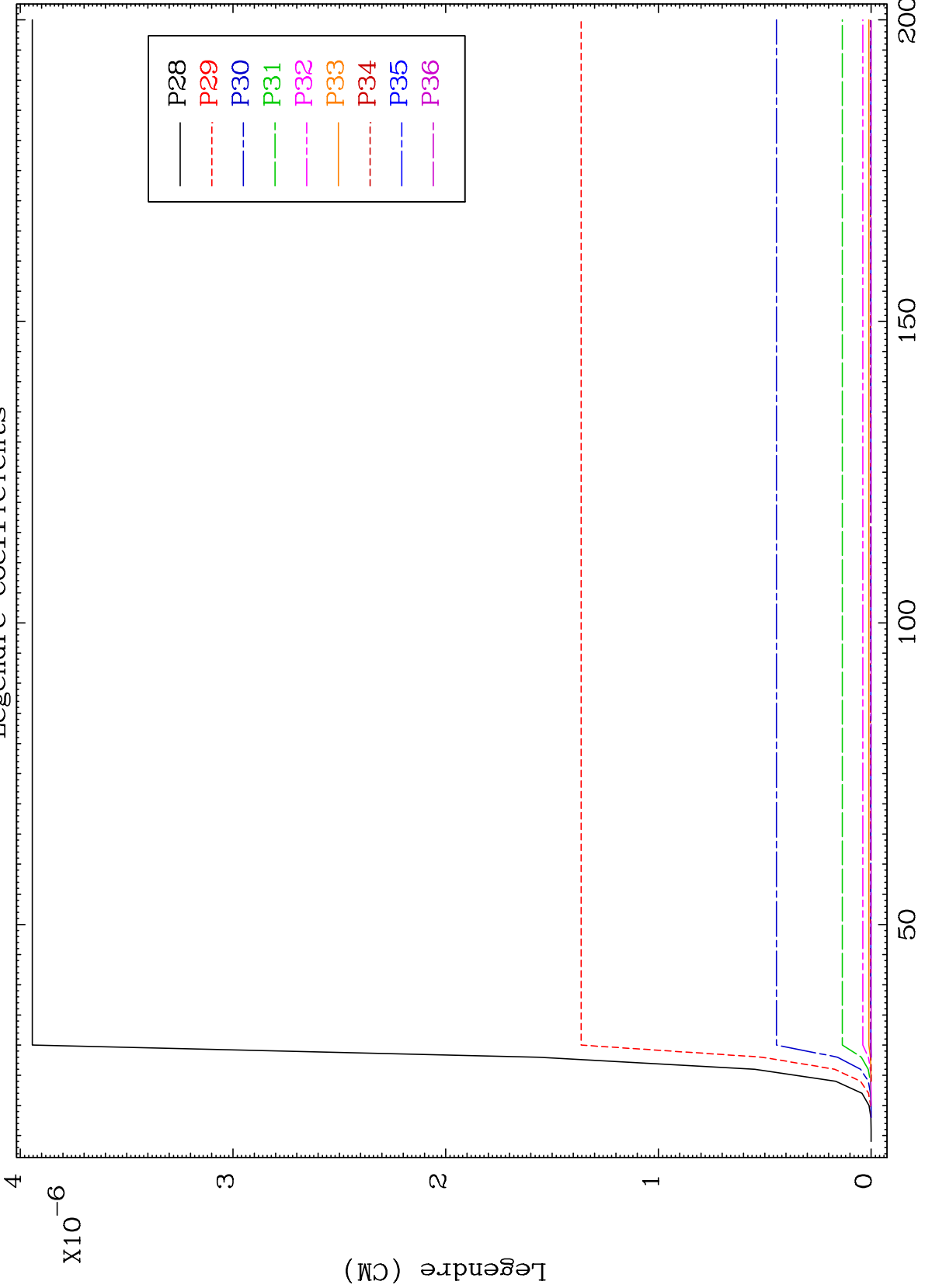
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



30

50

100

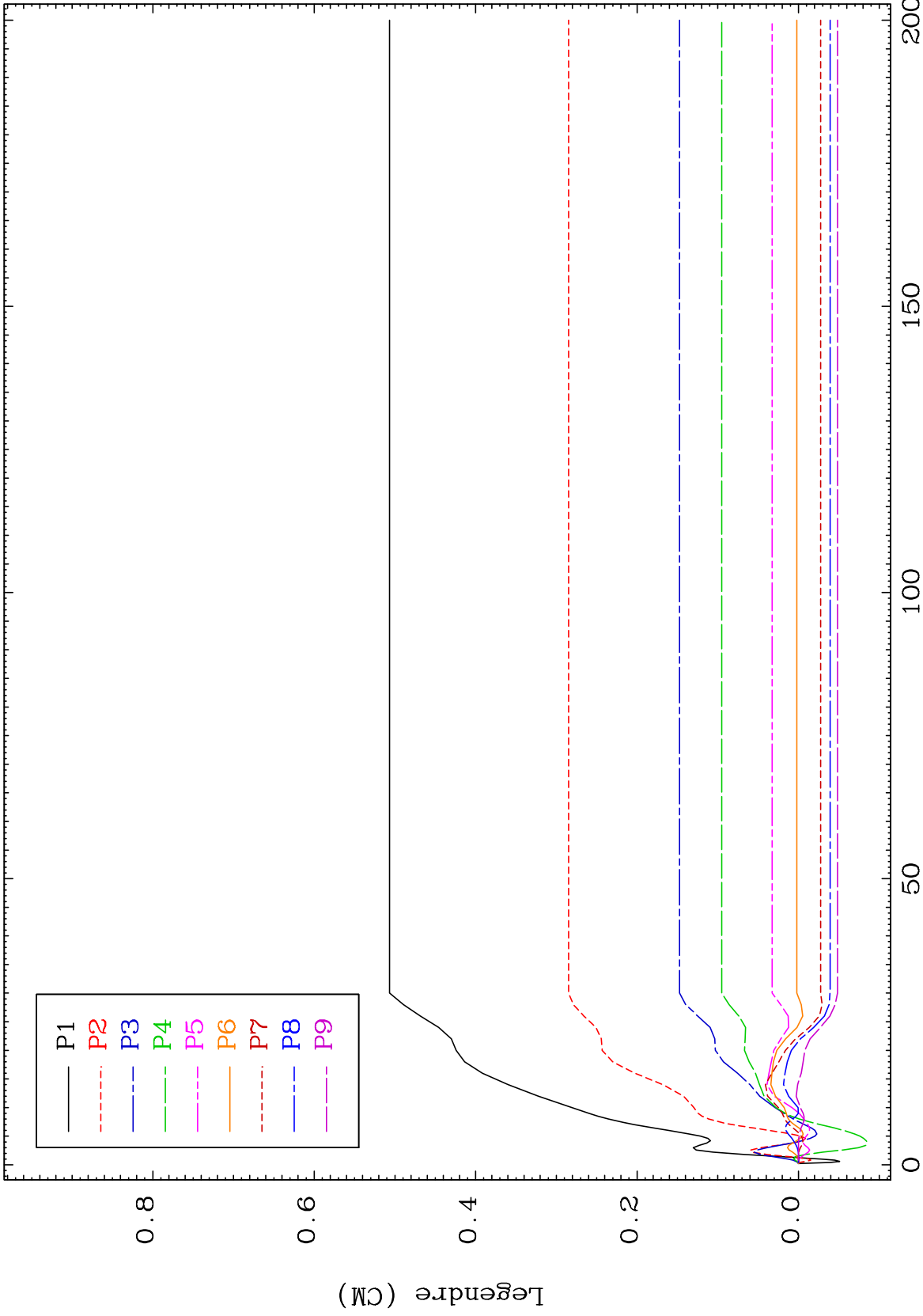
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200

MAT 5489

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

55-Cs-121



31

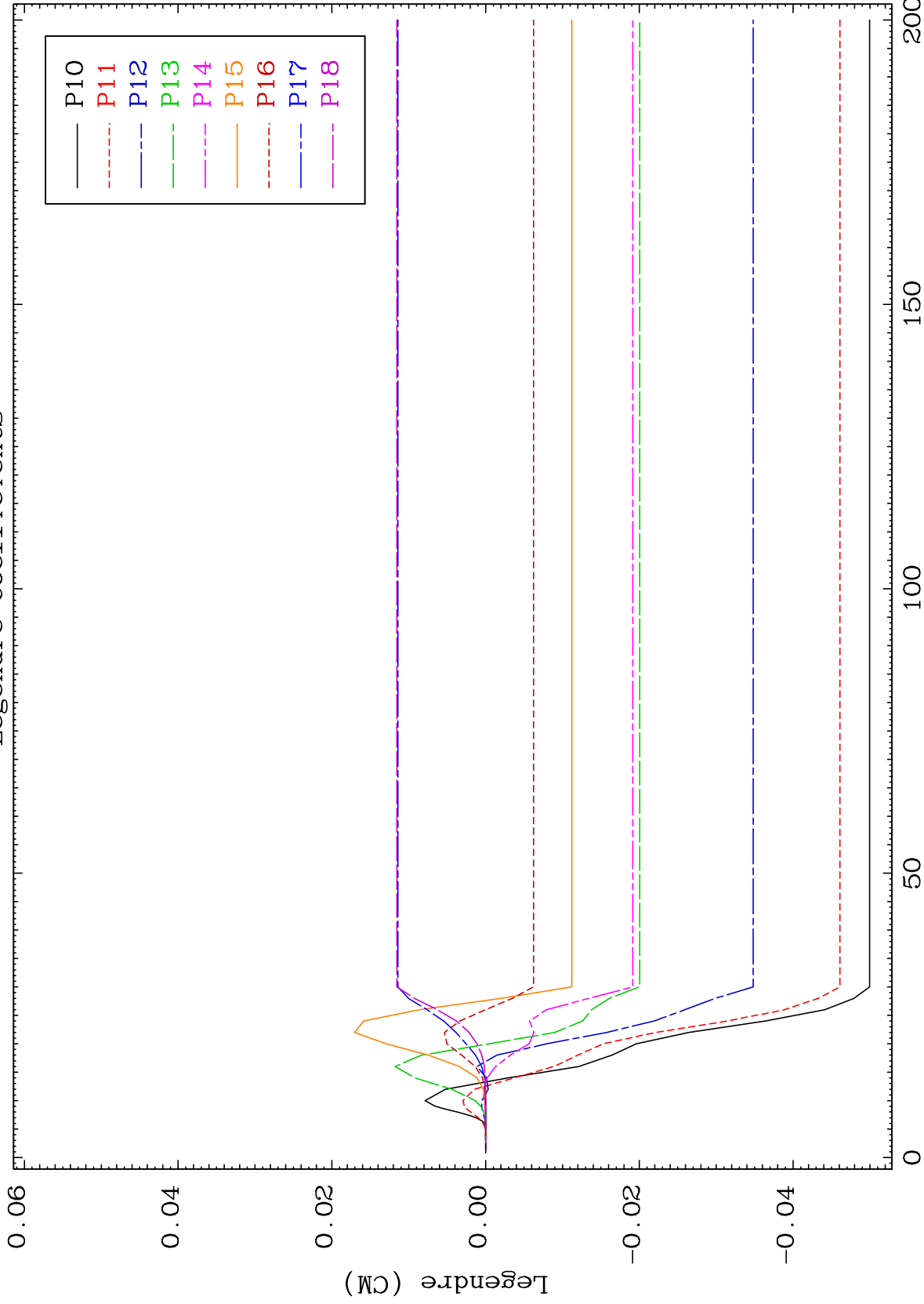
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



32

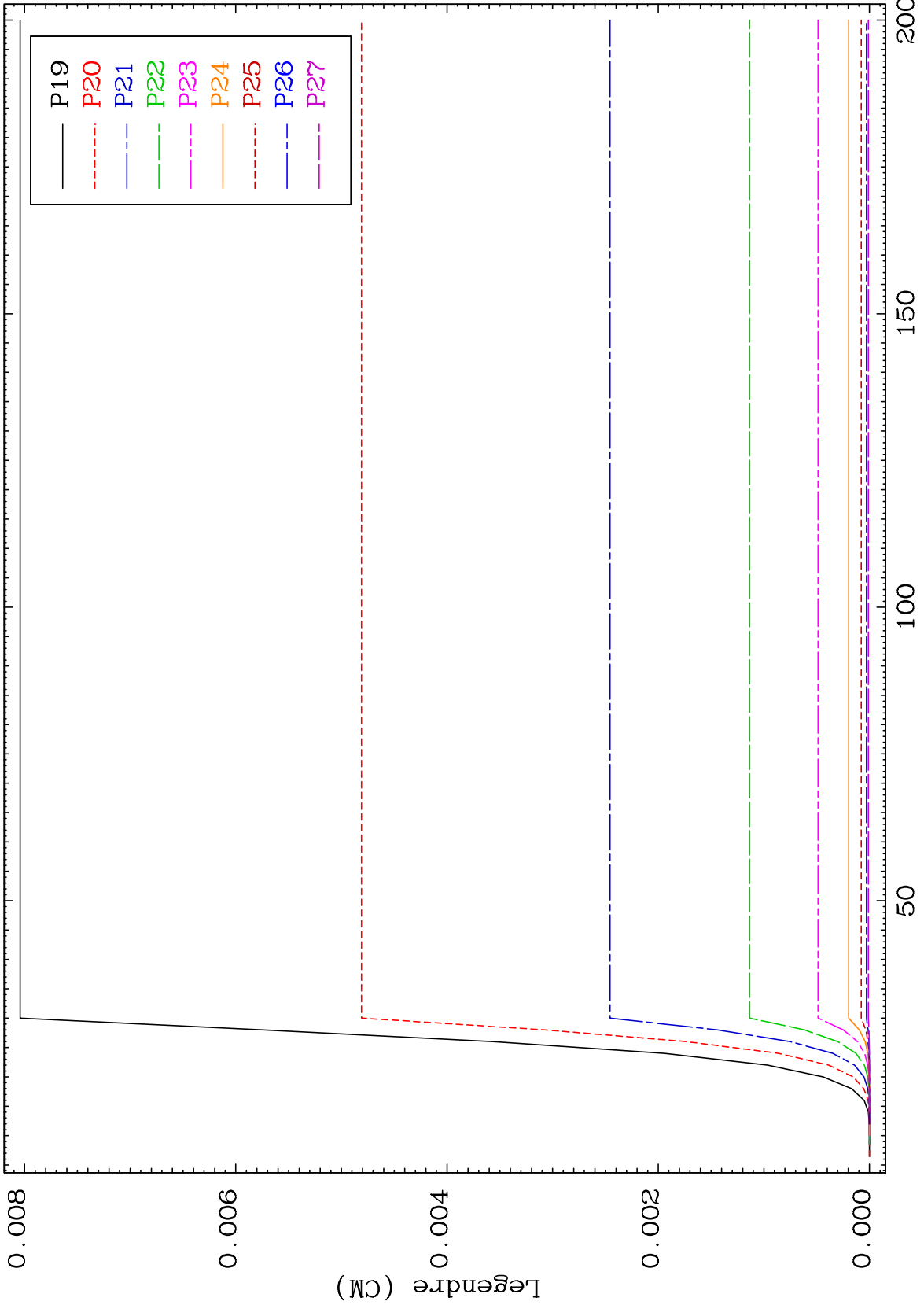
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



33

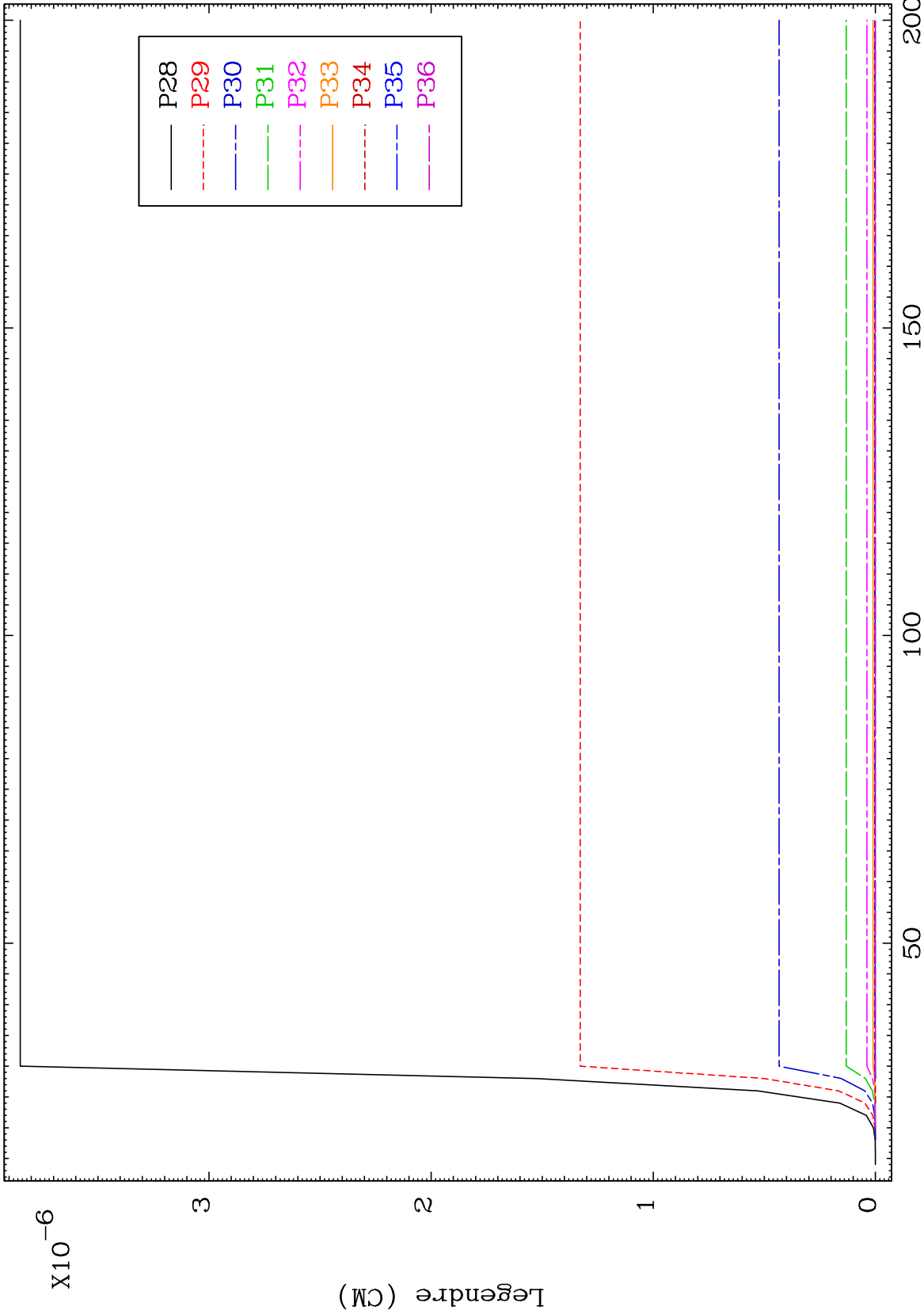
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



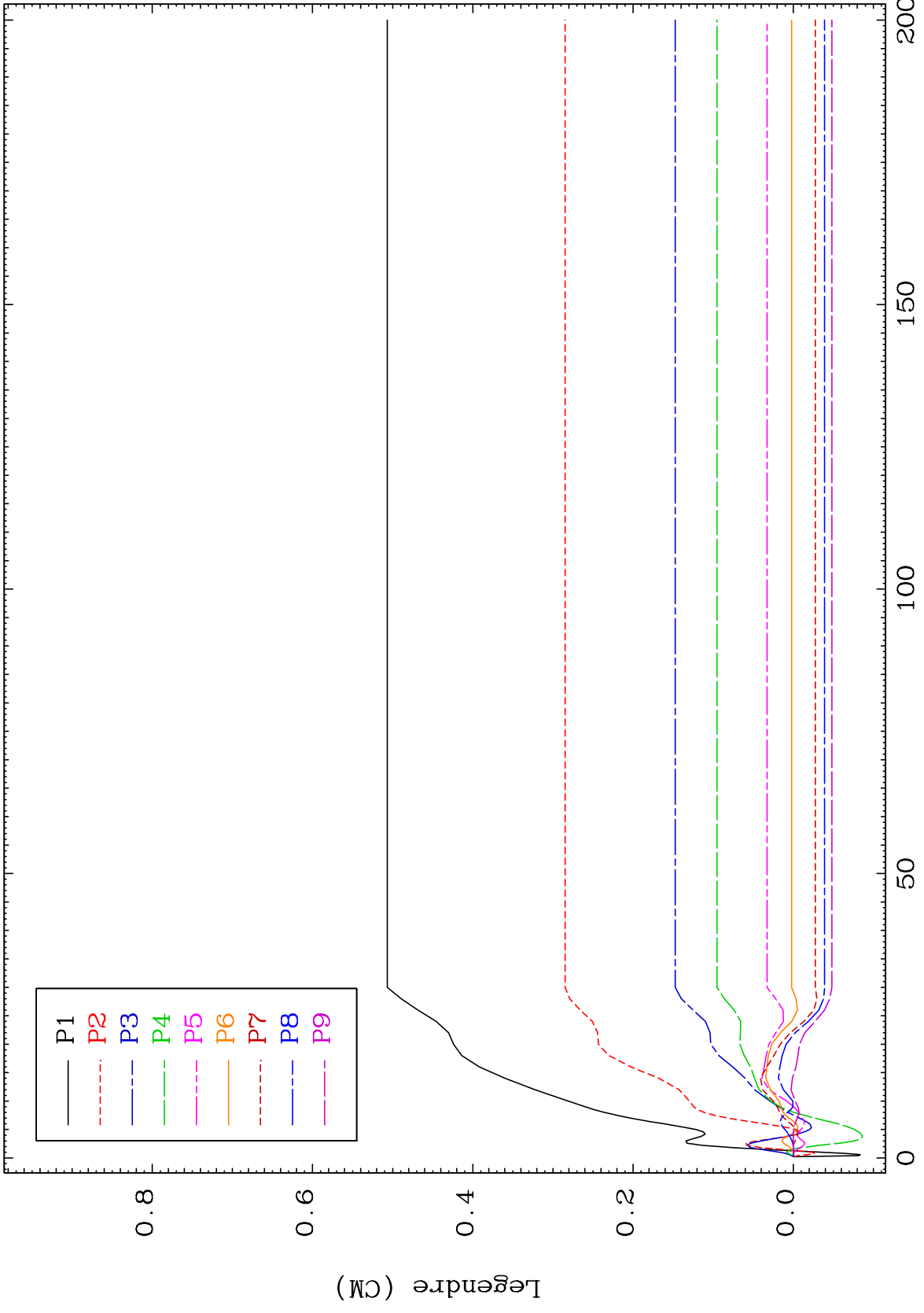
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55-Cs-121

MAT 5489

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

55-Cs-121



55-Cs-121

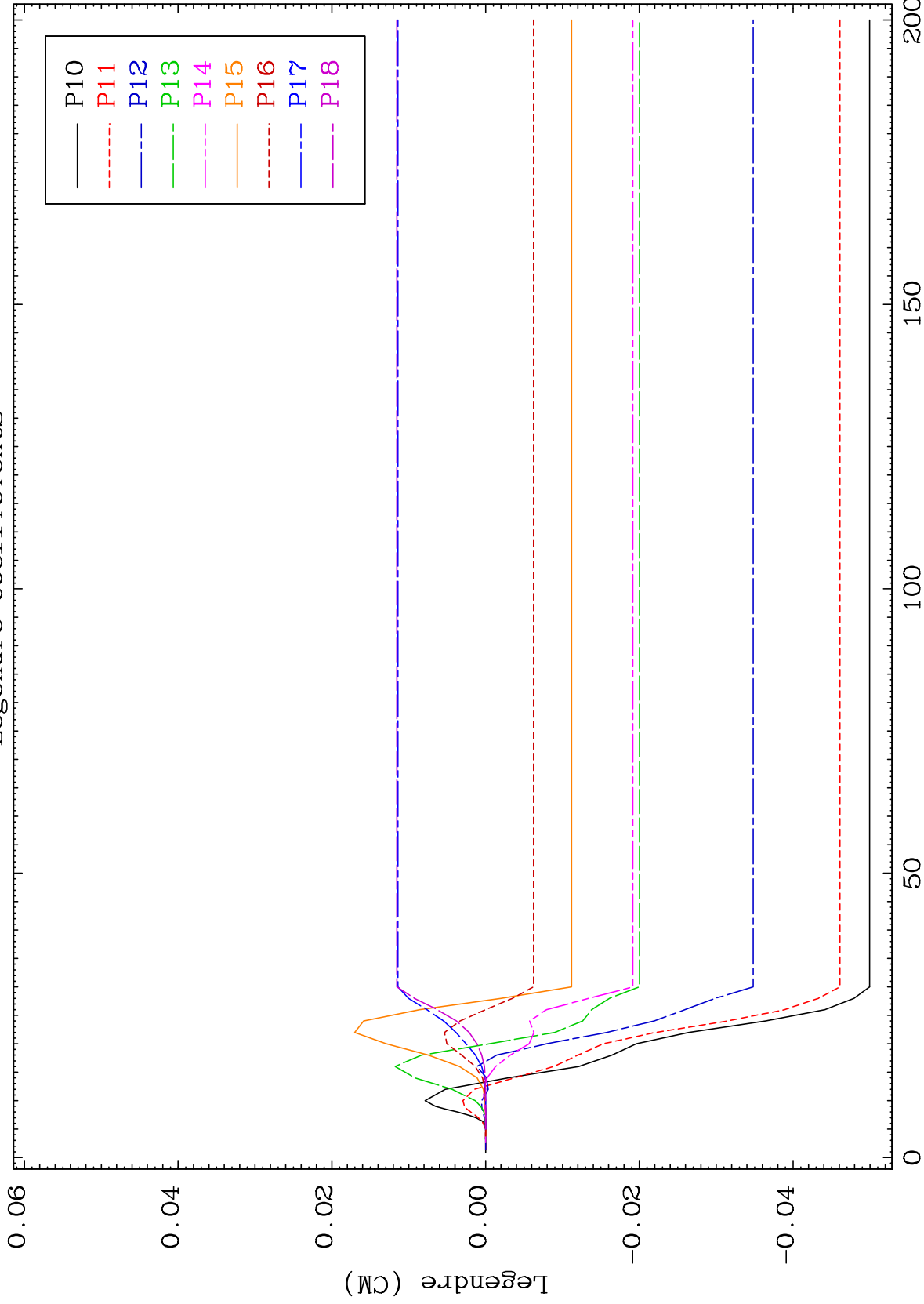
Incident Energy (MeV)

35

MAT 5489

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

55-Cs-121



36

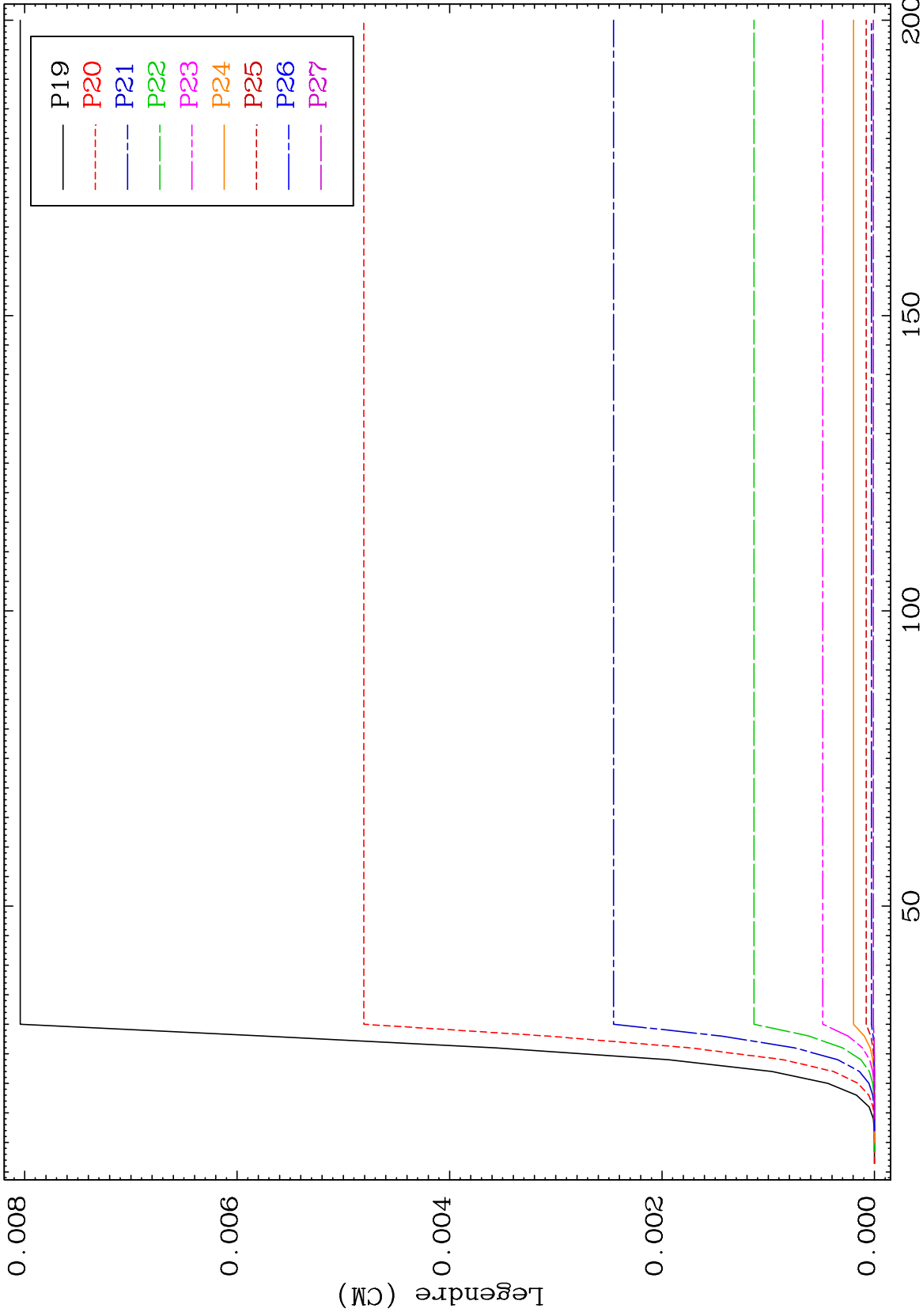
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



37

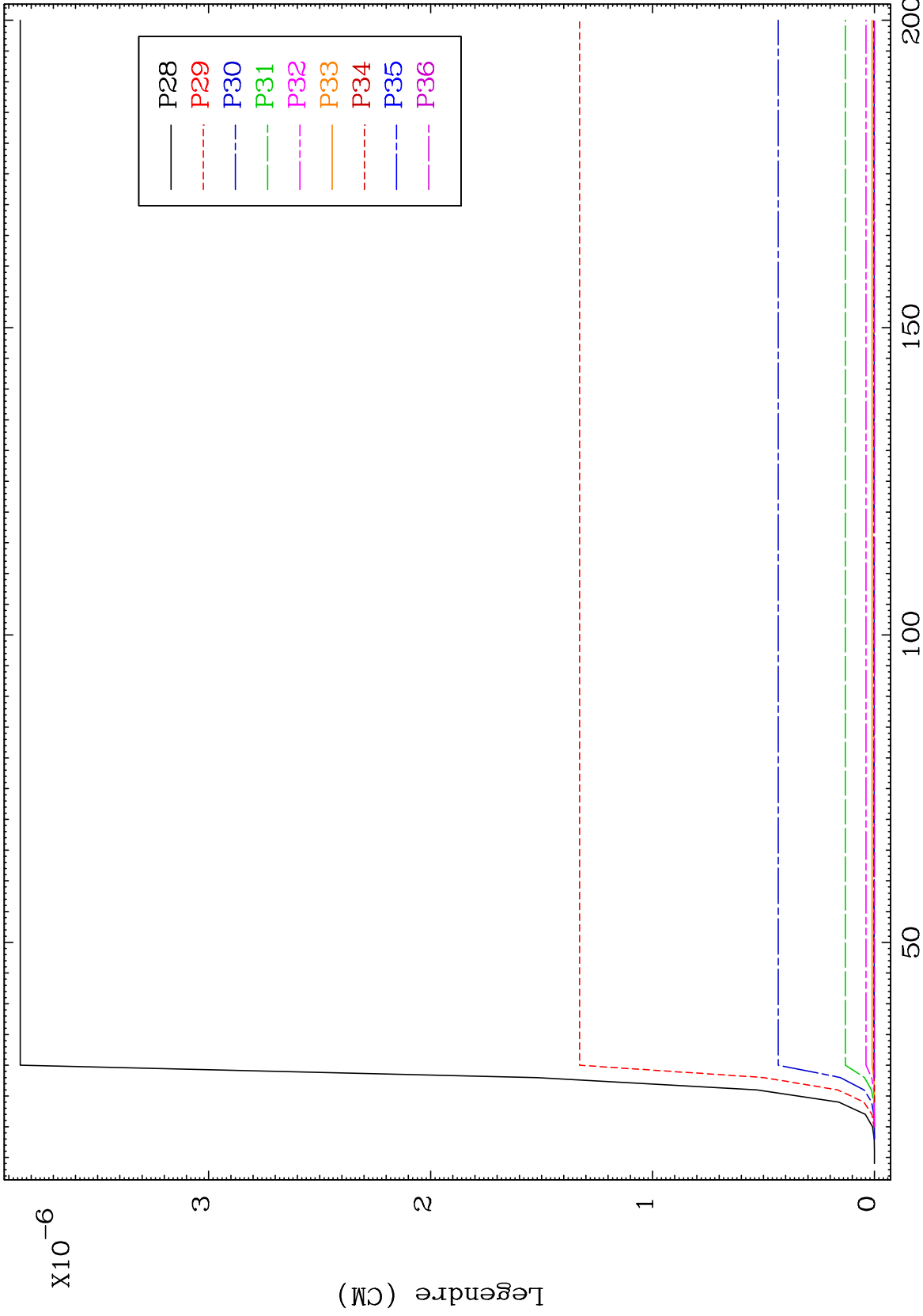
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



38

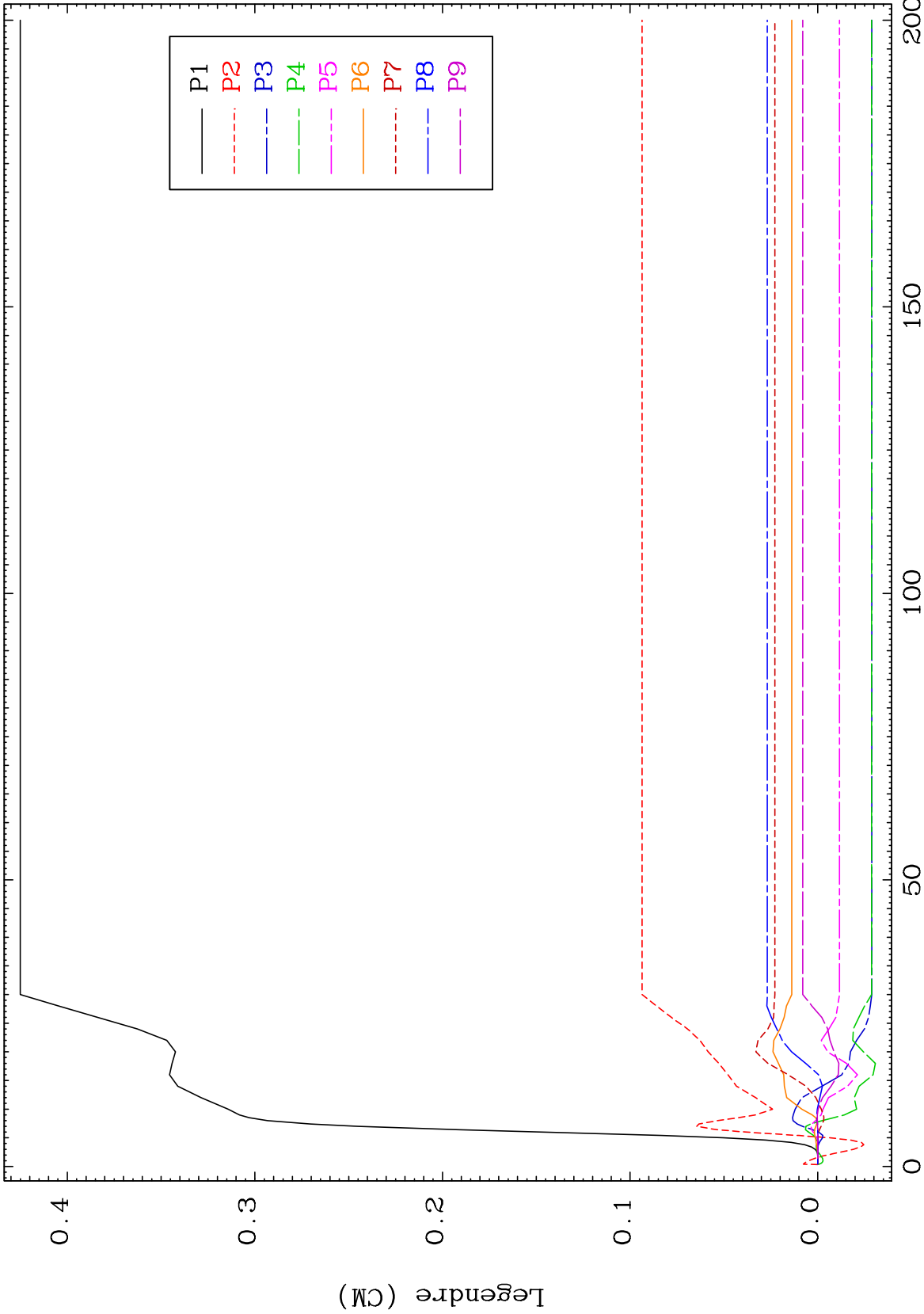
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121

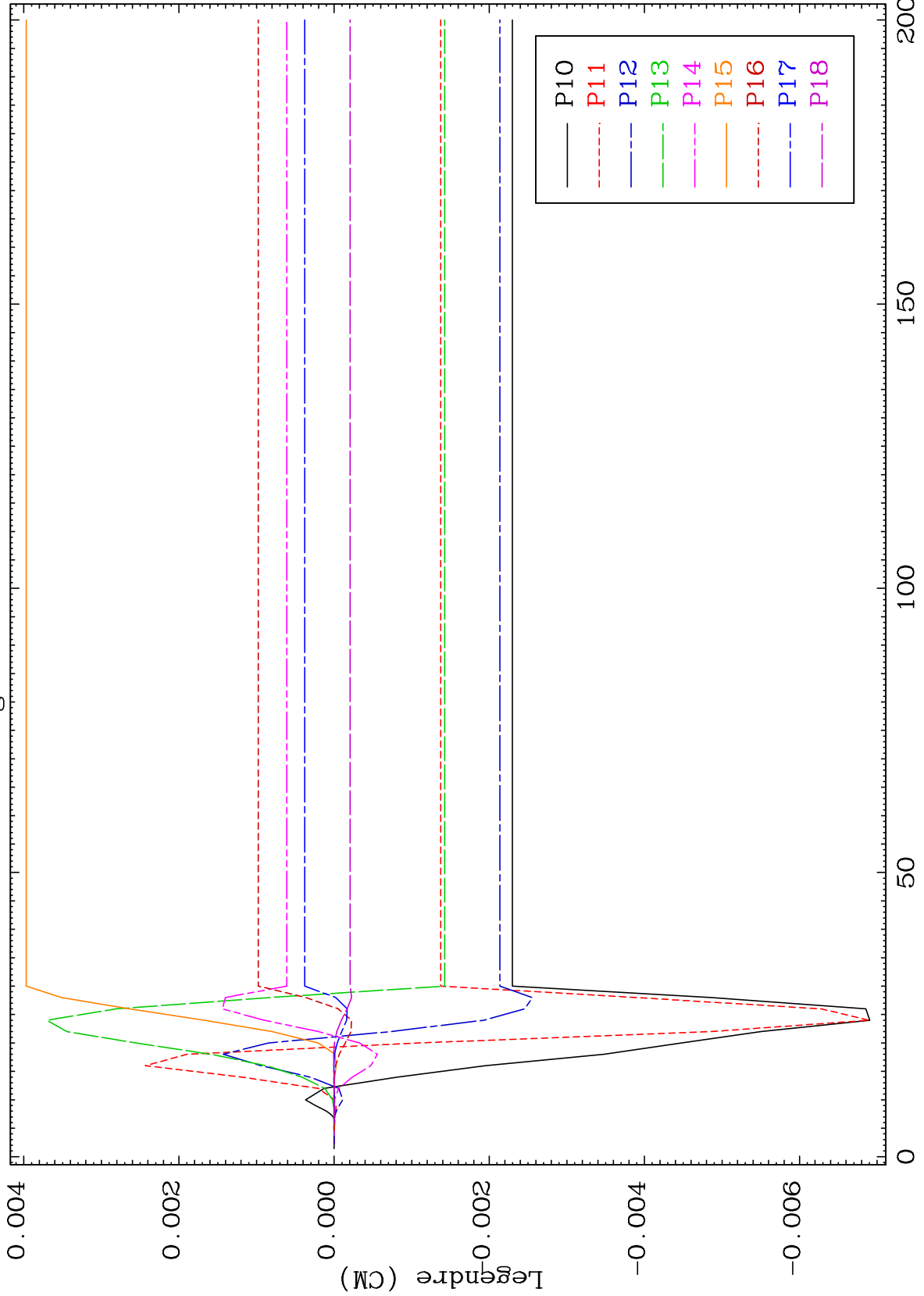


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Incident Energy (MeV)

55-Cs-121

MAT 5489 MT= 56 (n,n') Level Legendre Coefficients 55-Cs-121



55-Cs-121

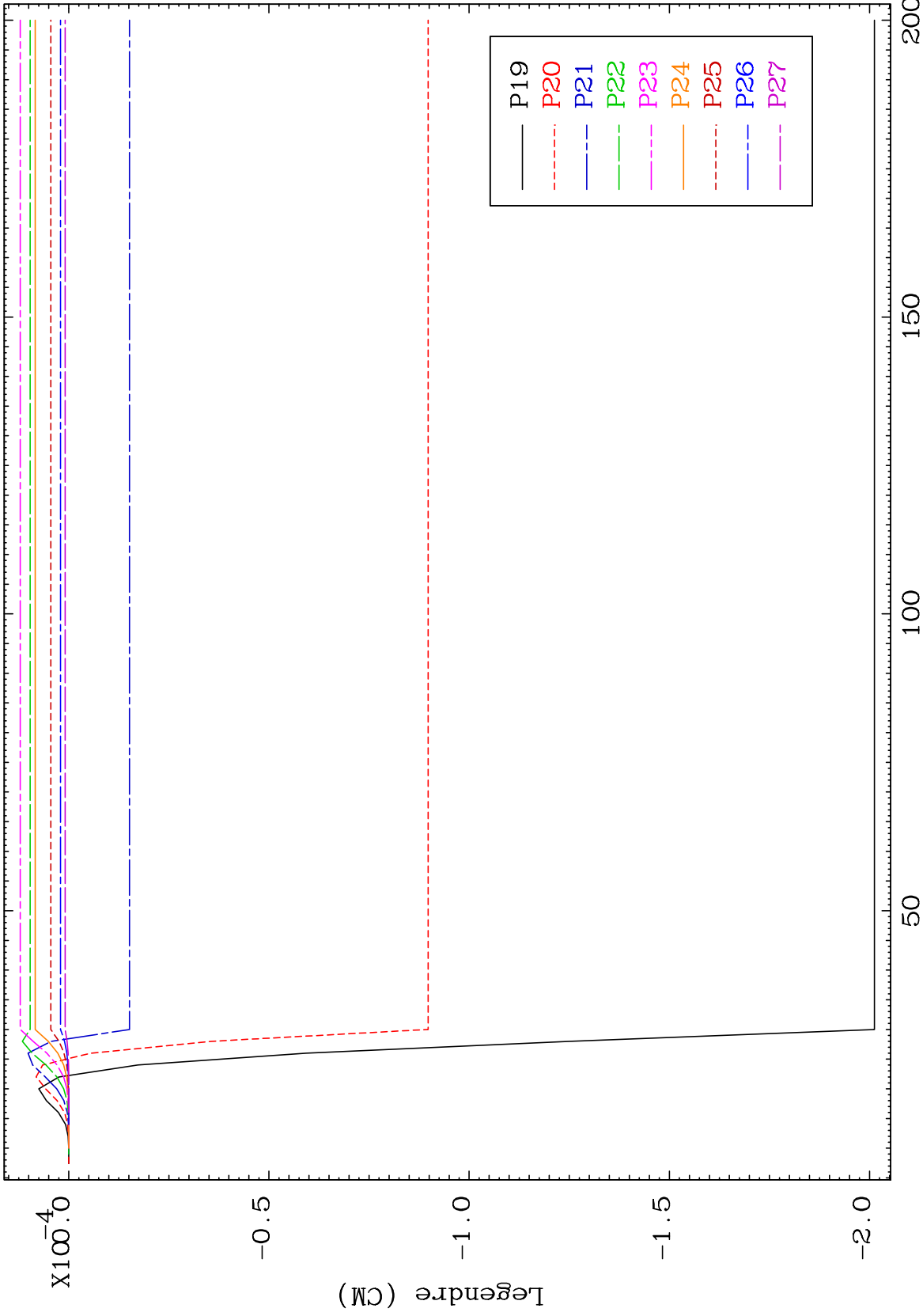
Incident Energy (MeV)

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MAT 5489

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

55-Cs-121



41

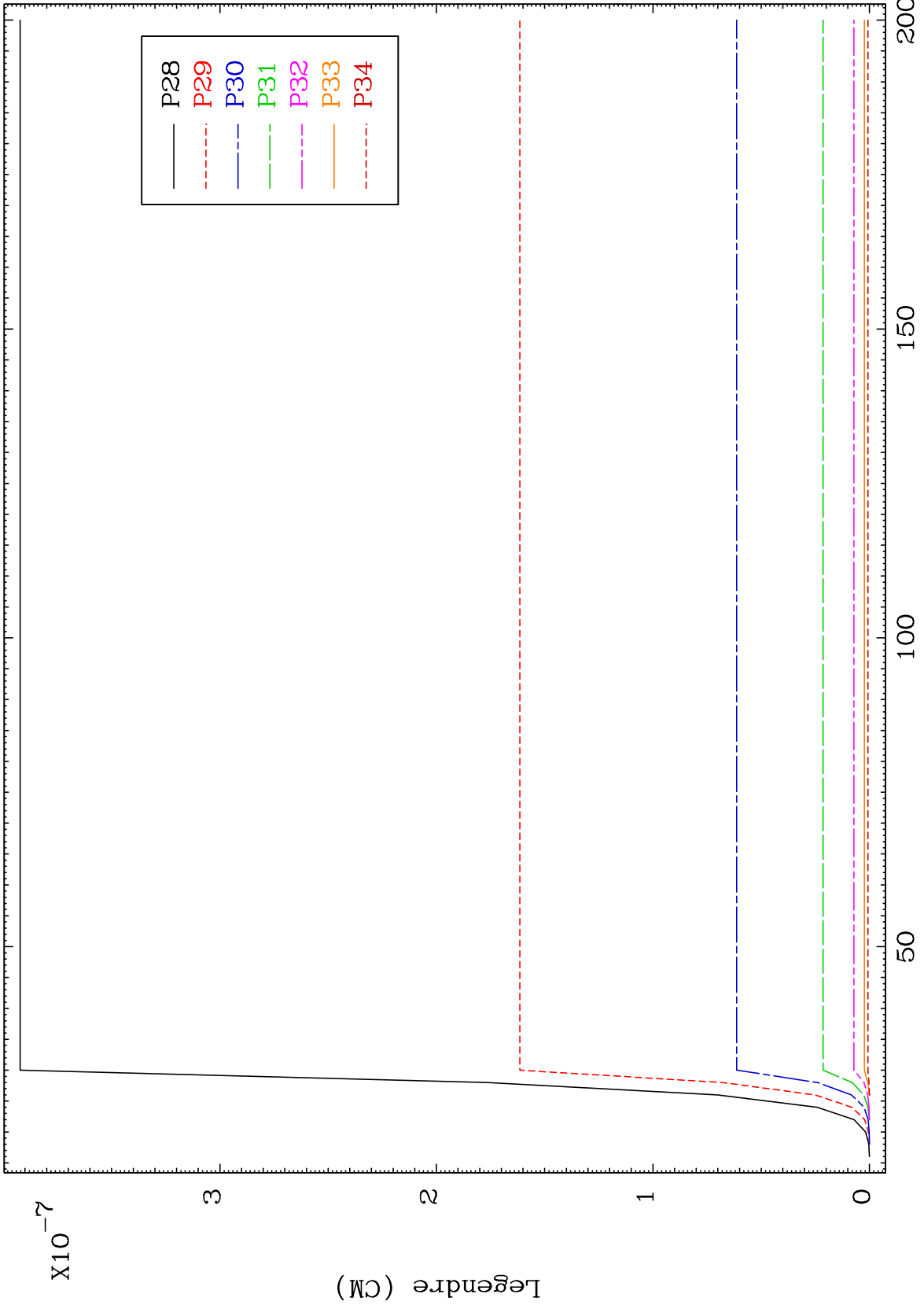
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



42

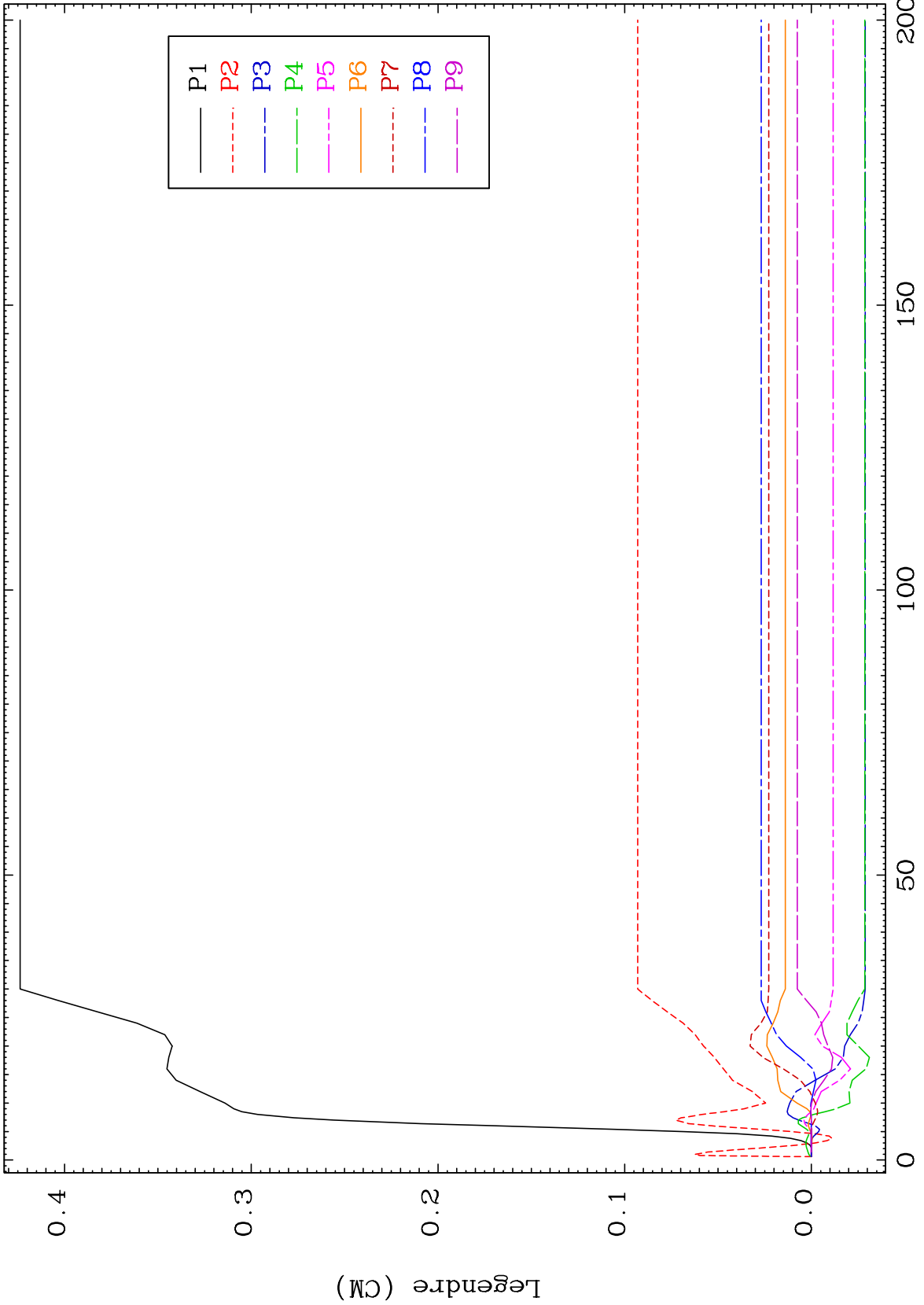
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



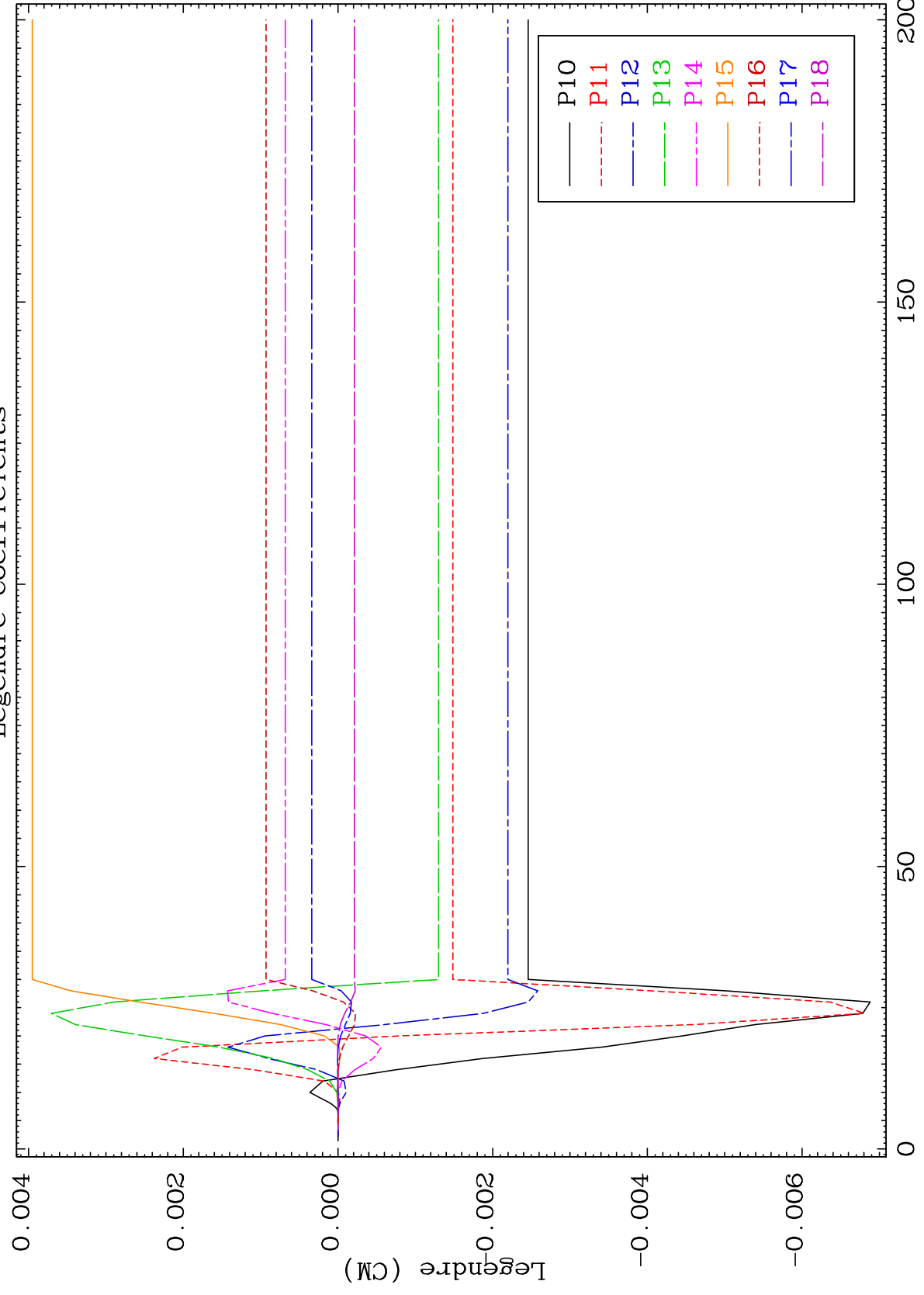
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Incident Energy (MeV)

55-Cs-121

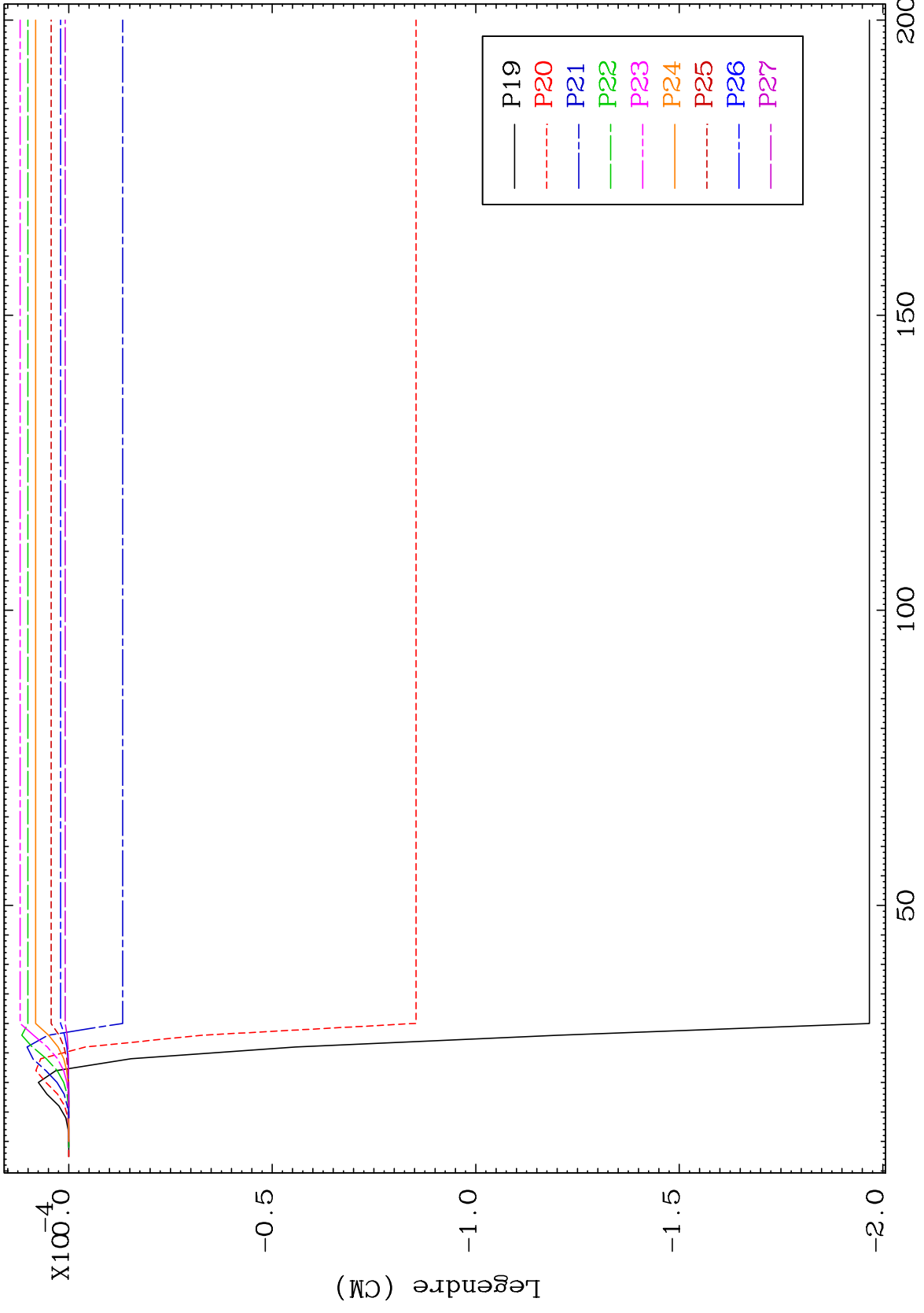
MAT 5489 MT= 57 (n,n') Level Legendre Coefficients

55-Cs-121



55-Cs-121

MAT 5489 MT= 57 (n,n') Level Legendre Coefficients 55-Cs-121

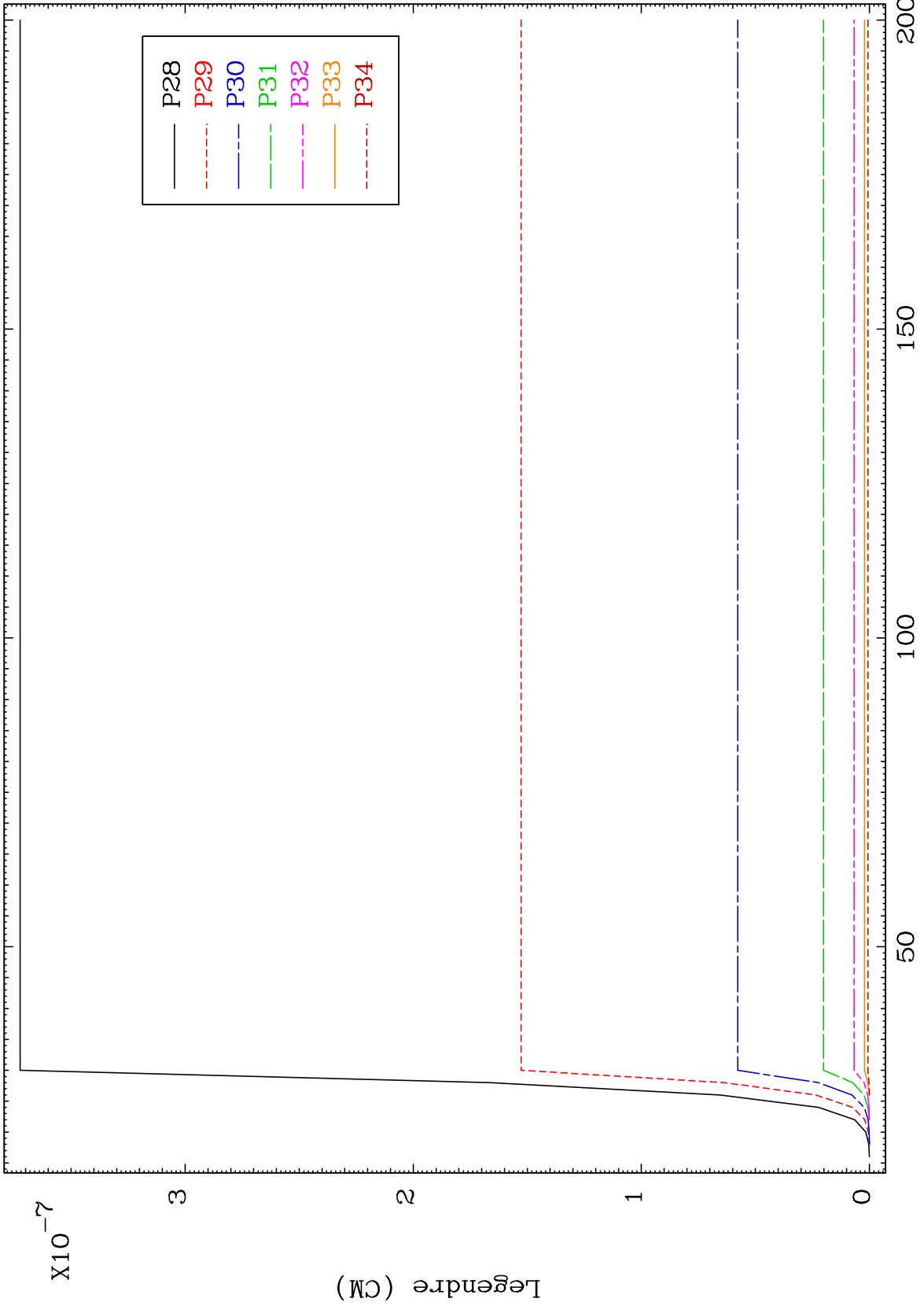


45 Incident Energy (MeV) 55-Cs-121

MAT 5489

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

55-Cs-121



46

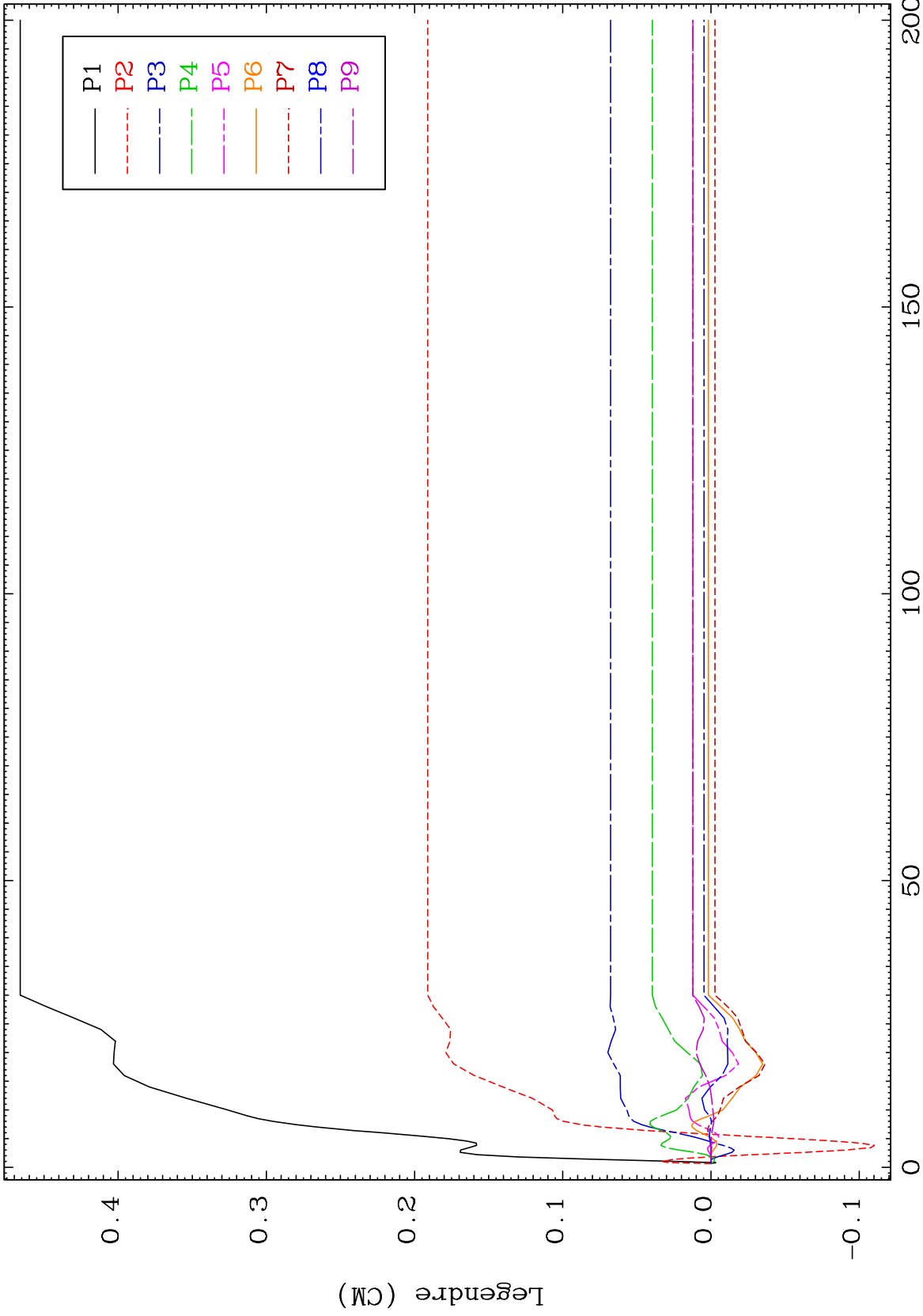
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



47

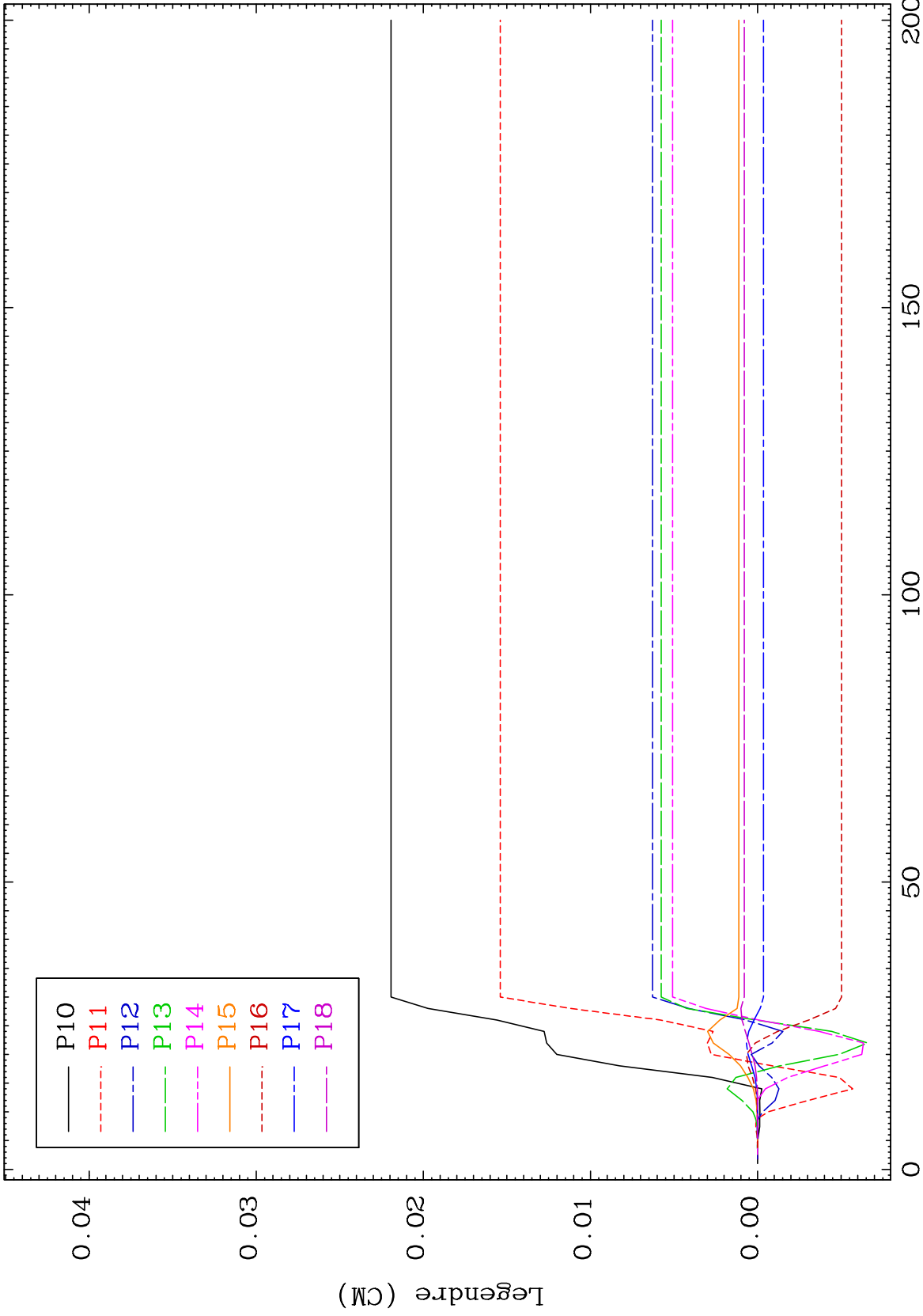
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



48

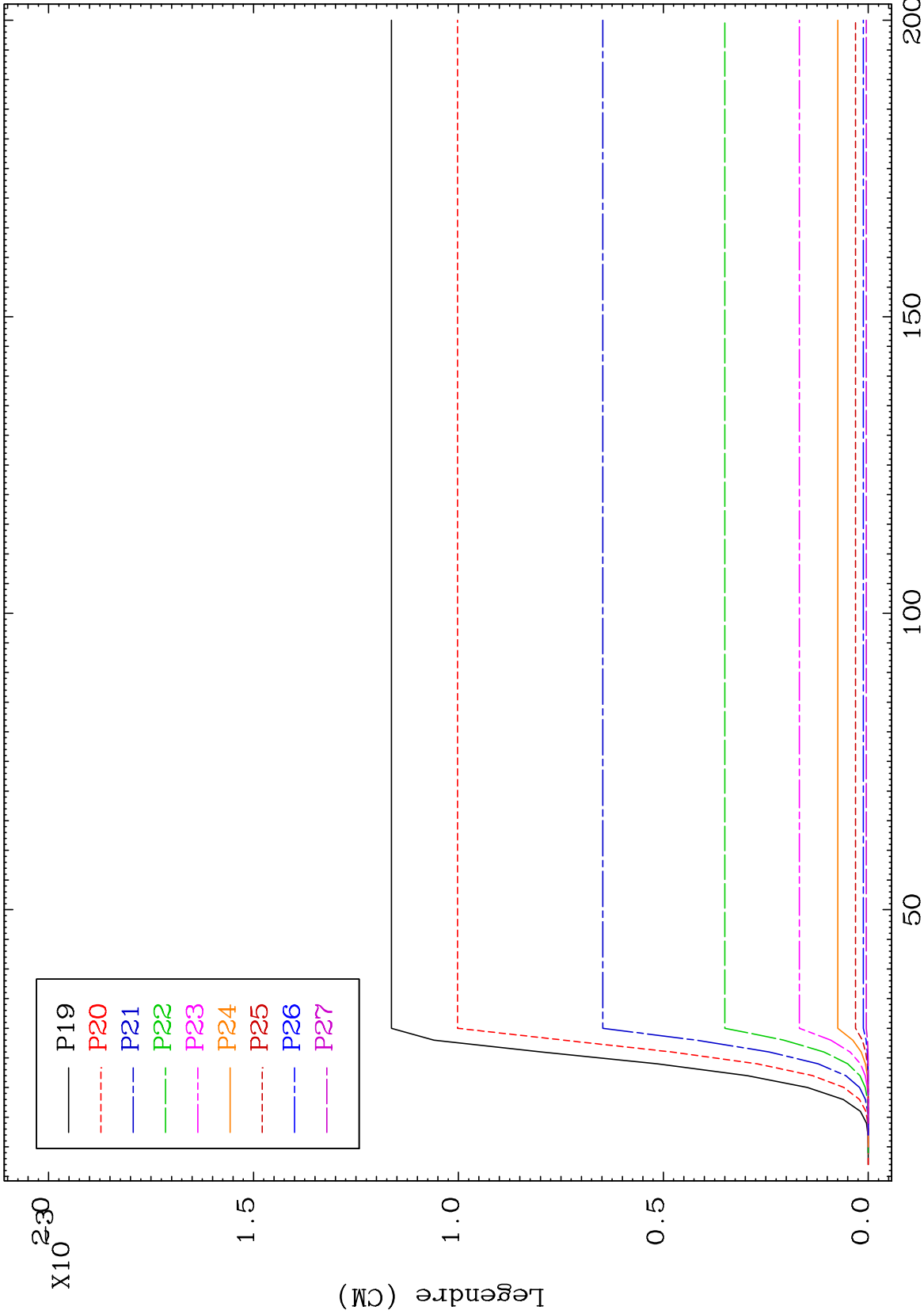
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



49

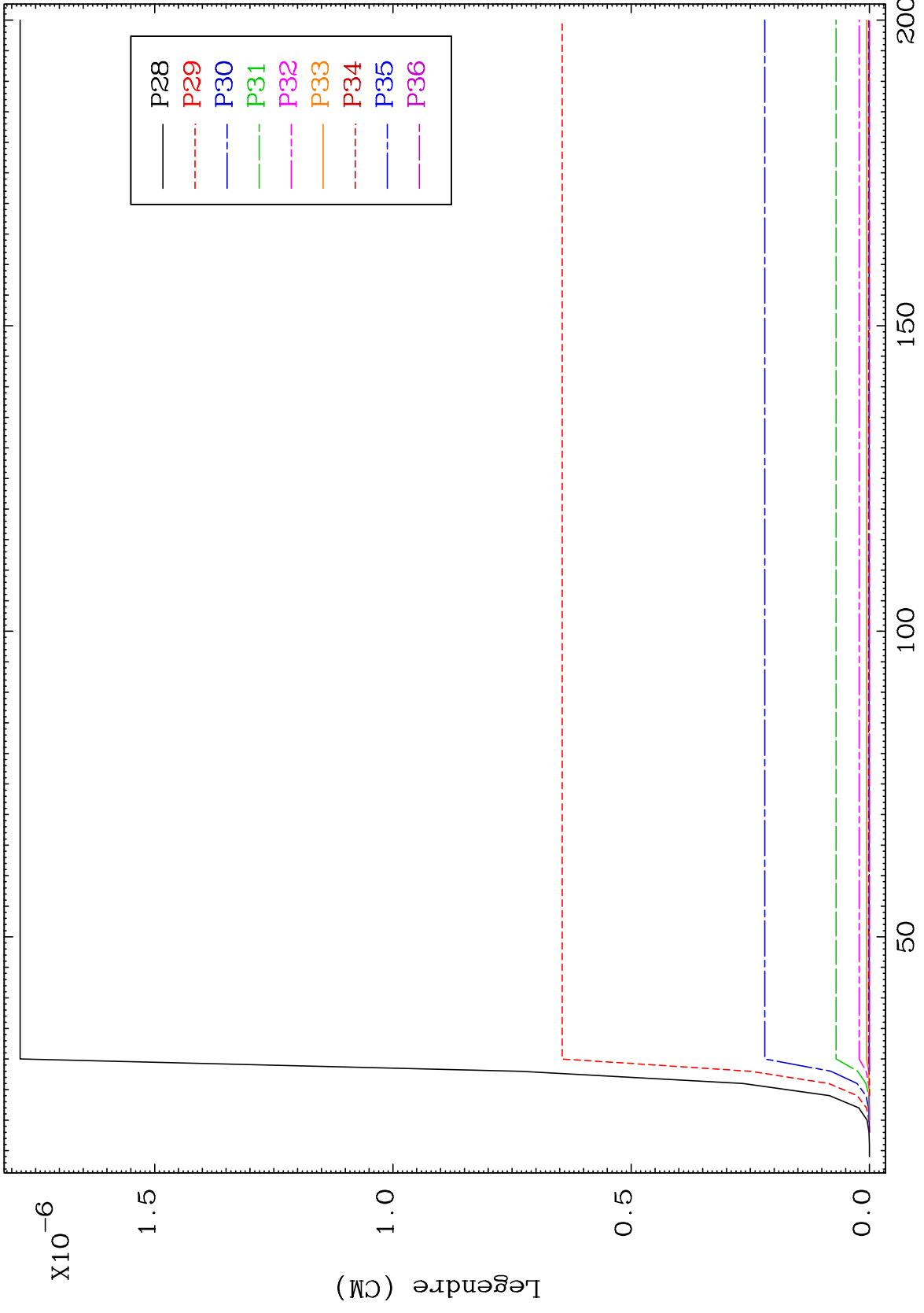
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



50

50

100

150

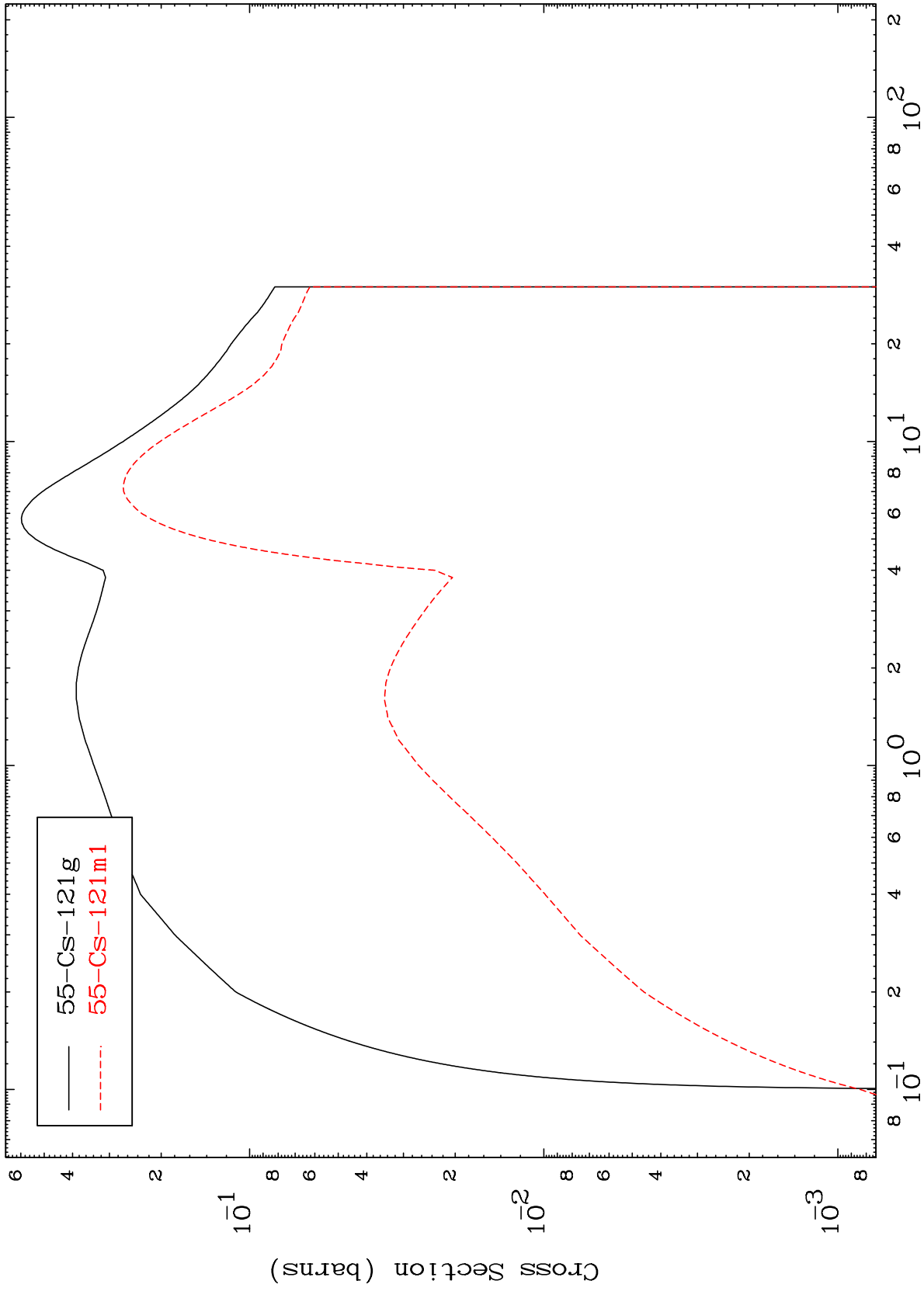
200

55-Cs-121

MAT 5489

Inelastic
Radionuclide Production Cross Section

55-Cs-121



51

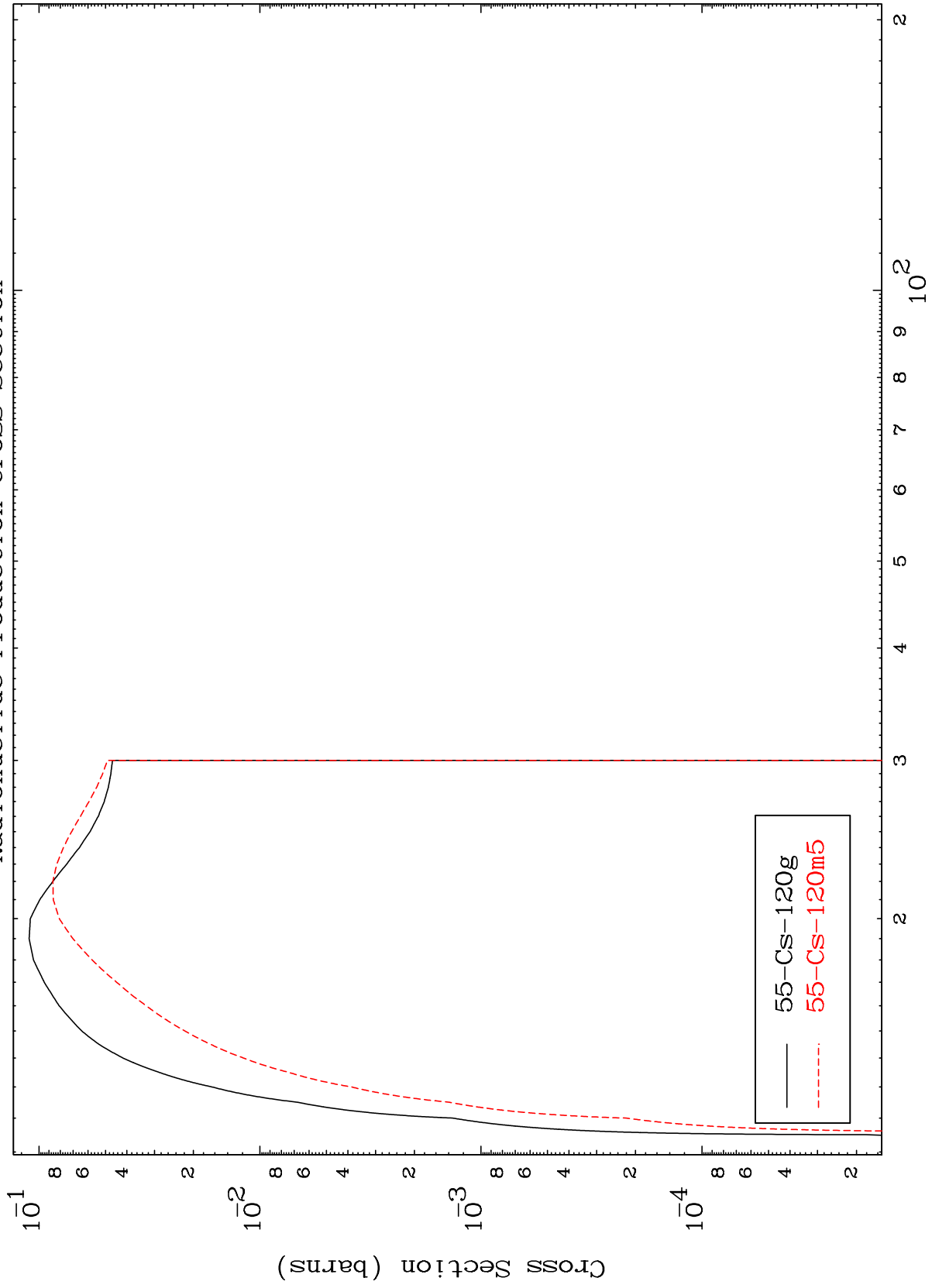
Incident Energy (MeV)

55-Cs-121

MAT 5489

55-Cs-121

(n,2n)
Radionuclide Production Cross Section



52

55-Cs-121

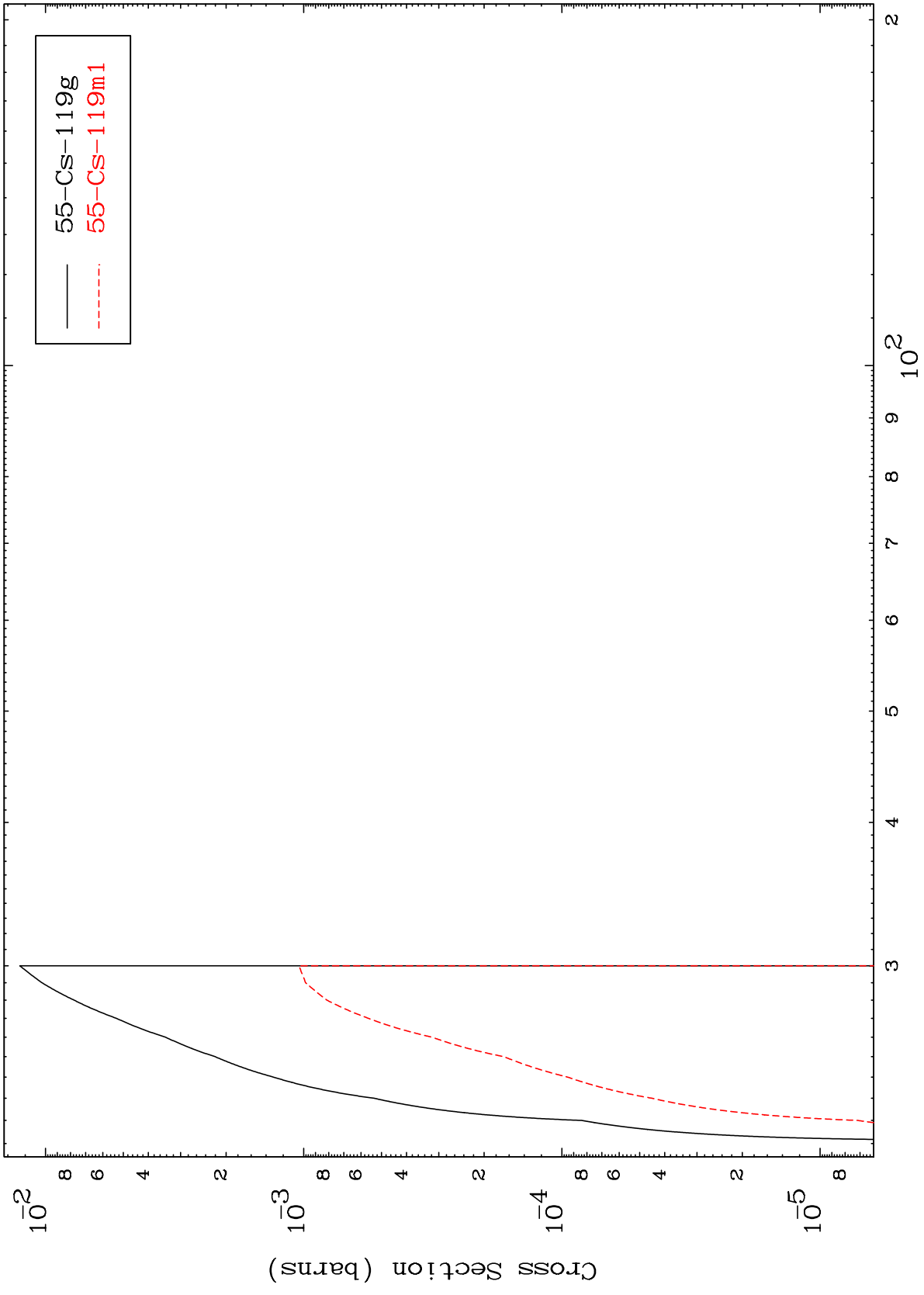
Incident Energy (MeV)

MAT 5489

(n,3n)

55-Cs-121

Radionuclide Production Cross Section



53

Incident Energy (MeV)

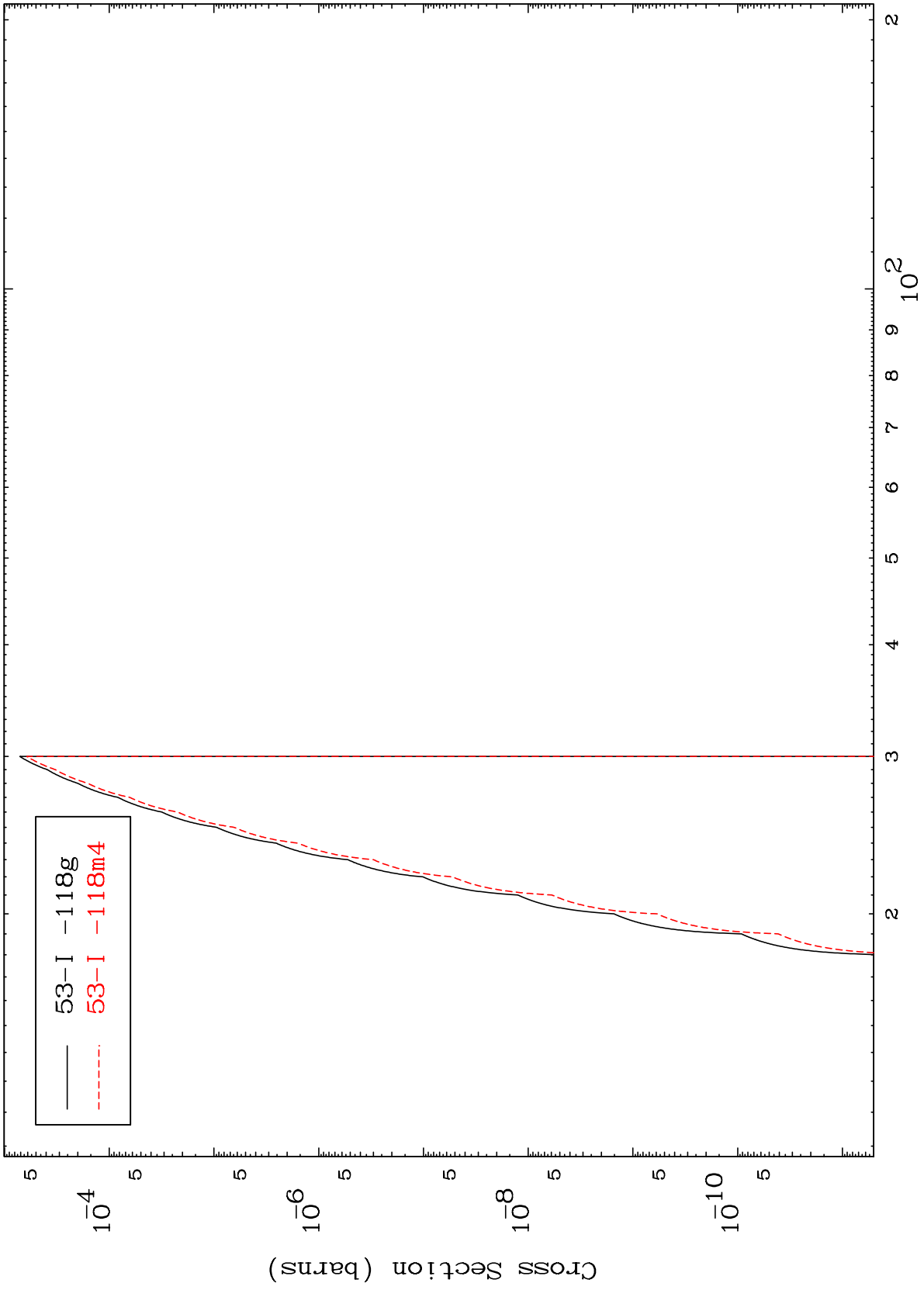
55-Cs-121

MAT 5489

(n, n') He-3

55-Cs-121

Radionuclide Production Cross Section



54

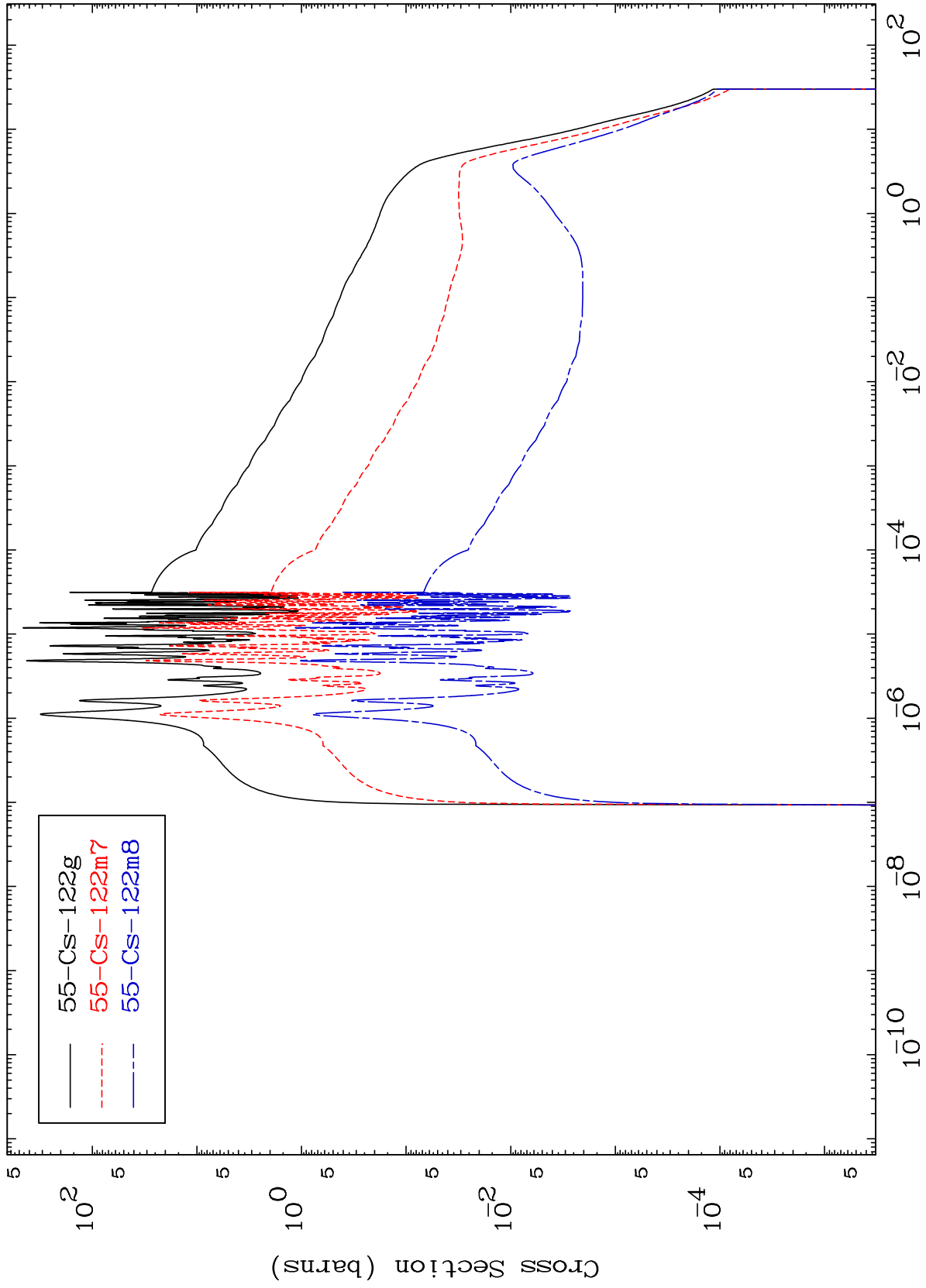
Incident Energy (MeV)

55-Cs-121

MAT 5489

55-Cs-121

Radionuclide Production Cross Section (n,γ)



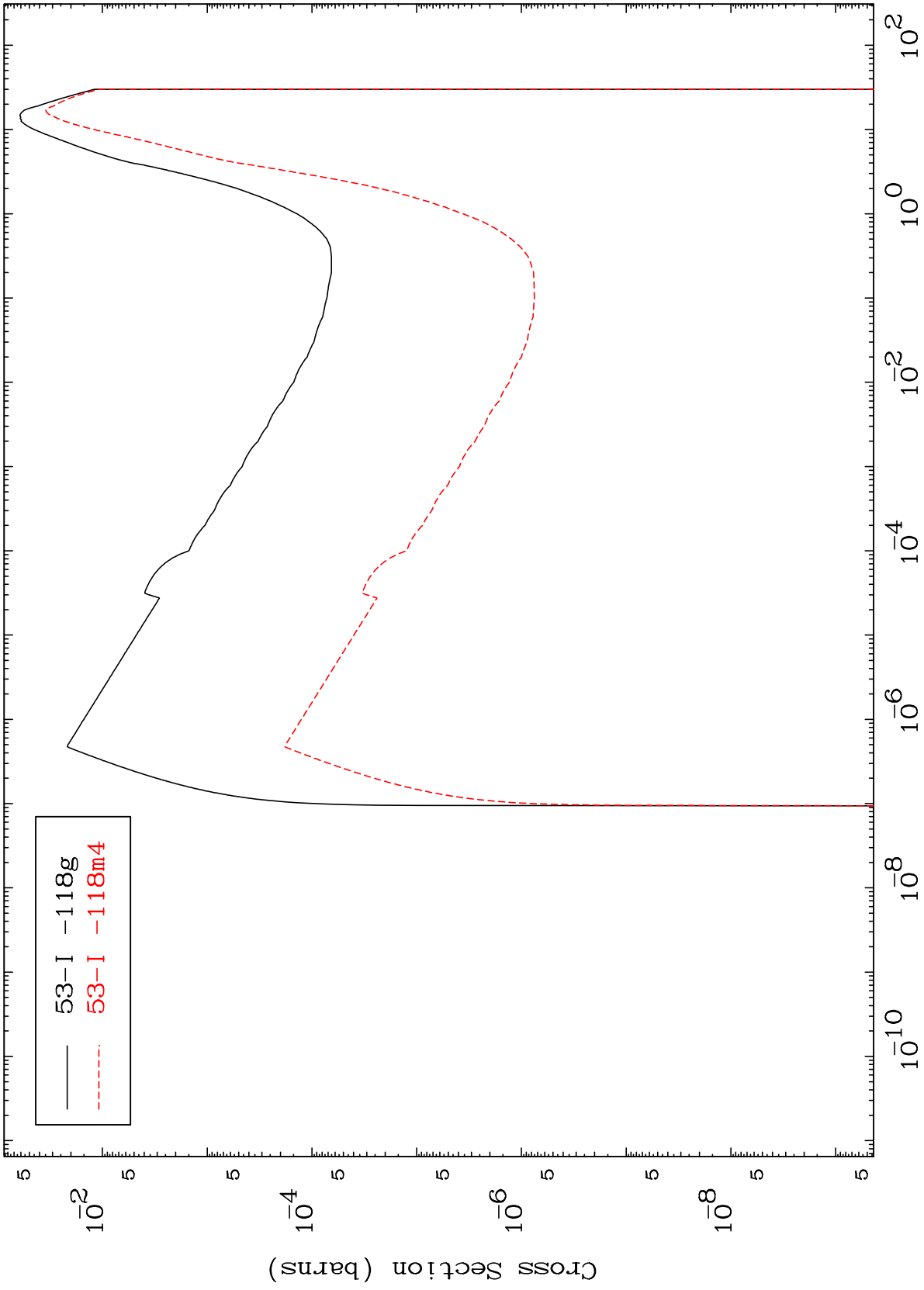
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55-Cs-121

MAT 5489

Radionuclide Production Cross Section
(n,α)

55-Cs-121



56

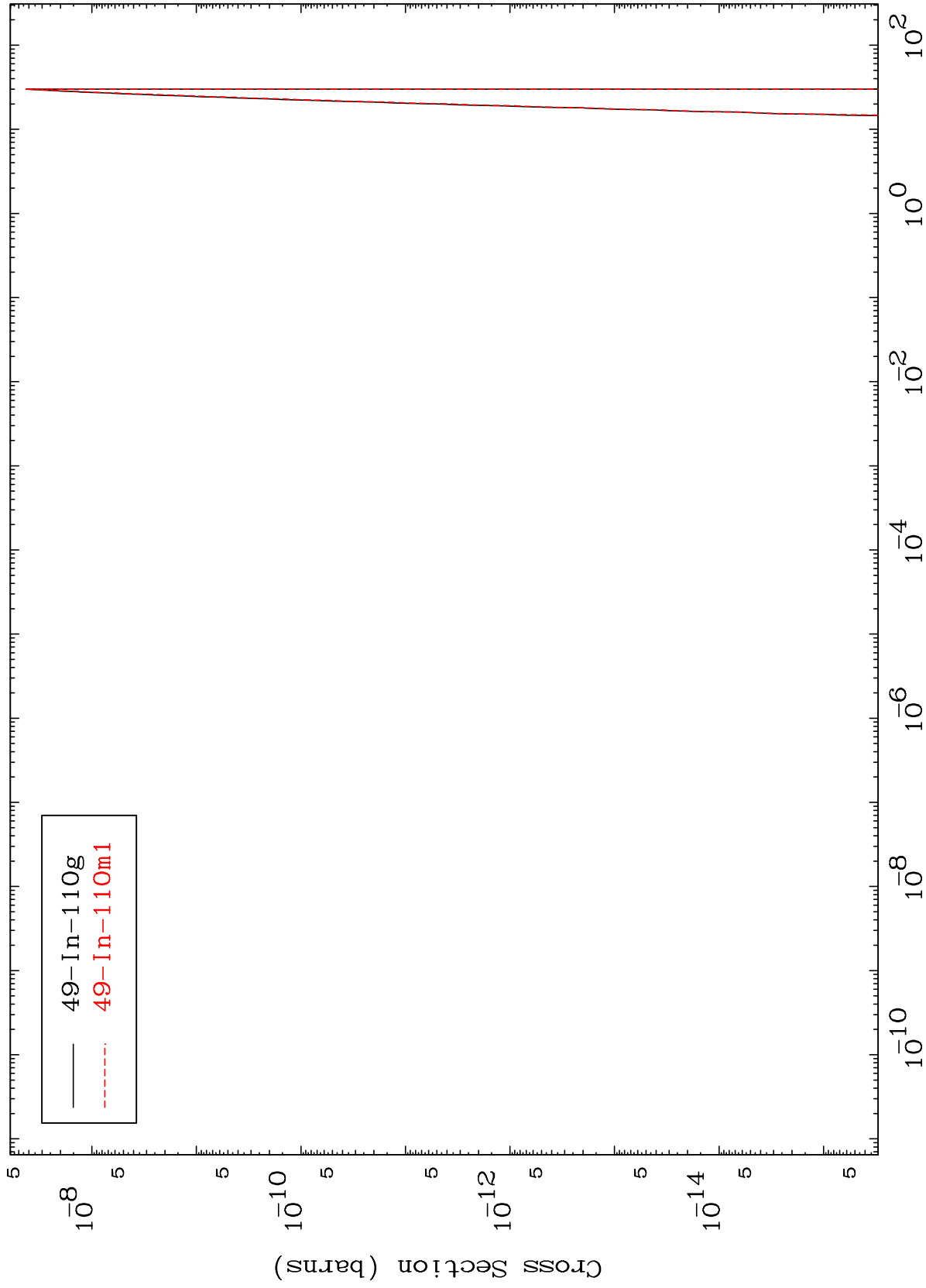
55-Cs-121

MAT 5489

(n,3α)

55-Cs-121

Radionuclide Production Cross Section



49-In-110g
49-In-110ml

57

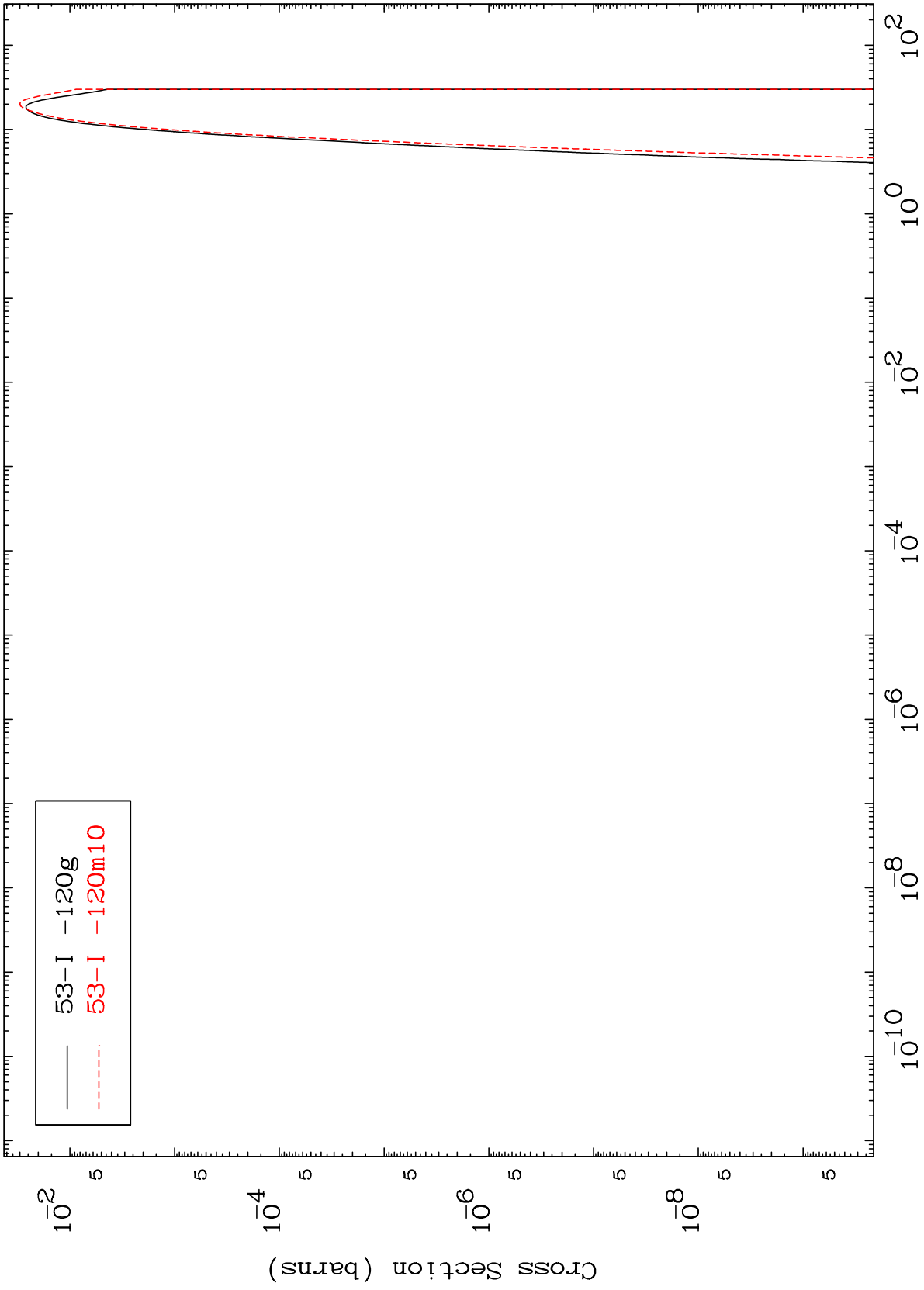
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n,2p)
Radionuclide Production Cross Section

55-Cs-121



58

Incident Energy (MeV)

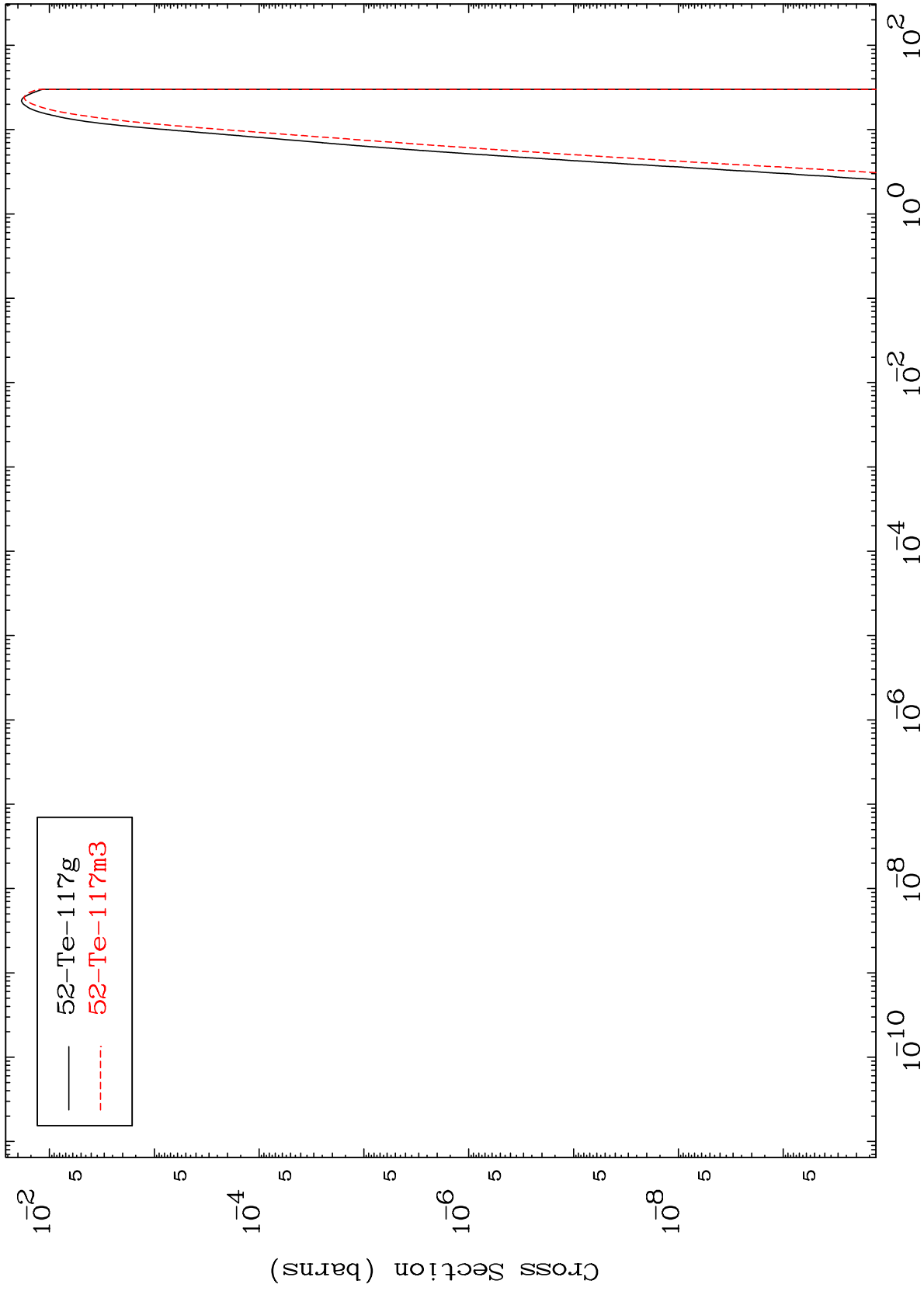
55-Cs-121

MAT 5489

(n,p) α

55-Cs-121

Radionuclide Production Cross Section



59

Incident Energy (MeV)

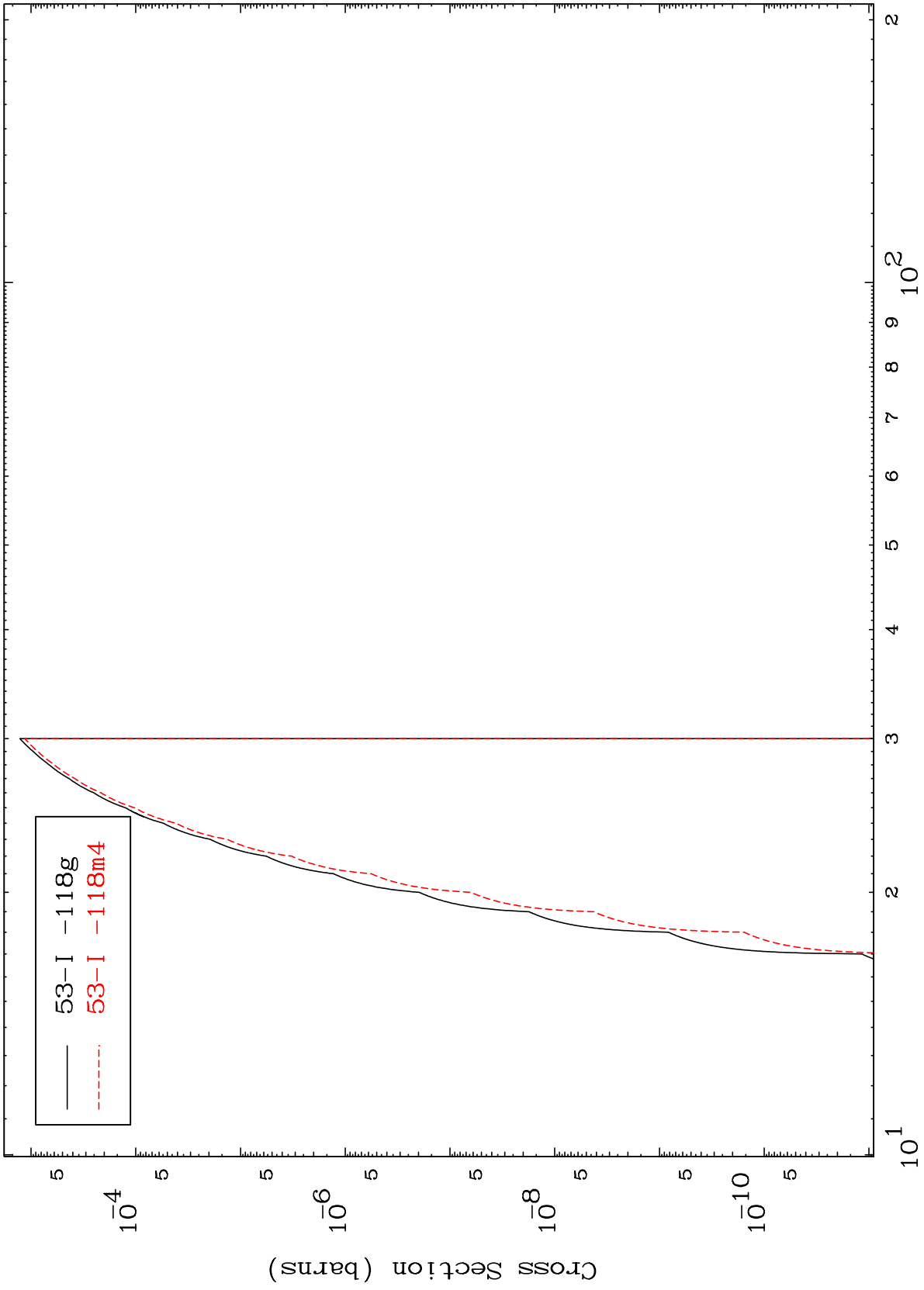
55-Cs-121

MAT 5489

(n,p) t

55-Cs-121

Radionuclide Production Cross Section



60

Incident Energy (MeV)

55-Cs-121