

Program EVALPLOT
(Version 2021-1)

by

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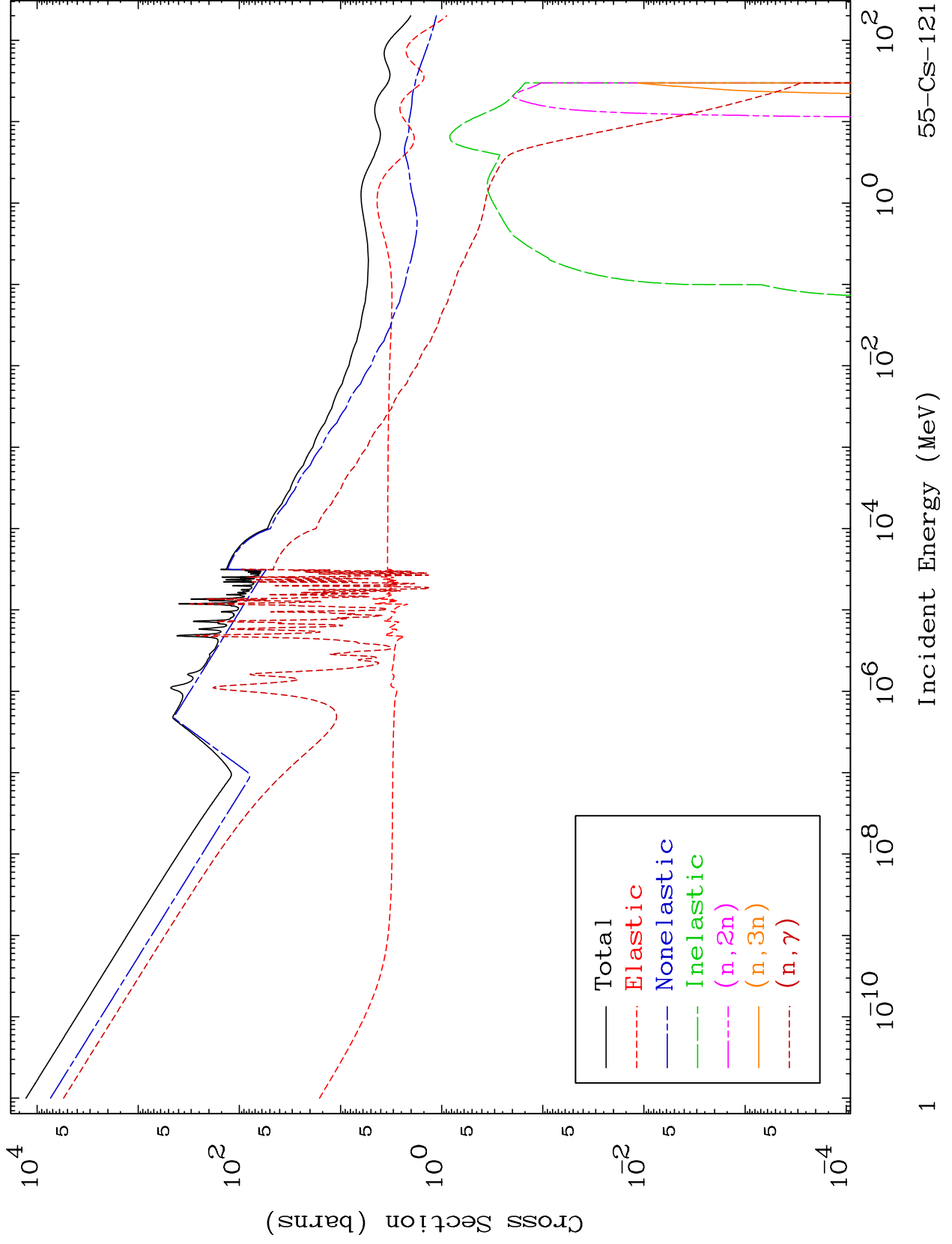
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Press Mouse Button to Start

MAT 5489

Neutron Major
293 Kelvin Cross Sections

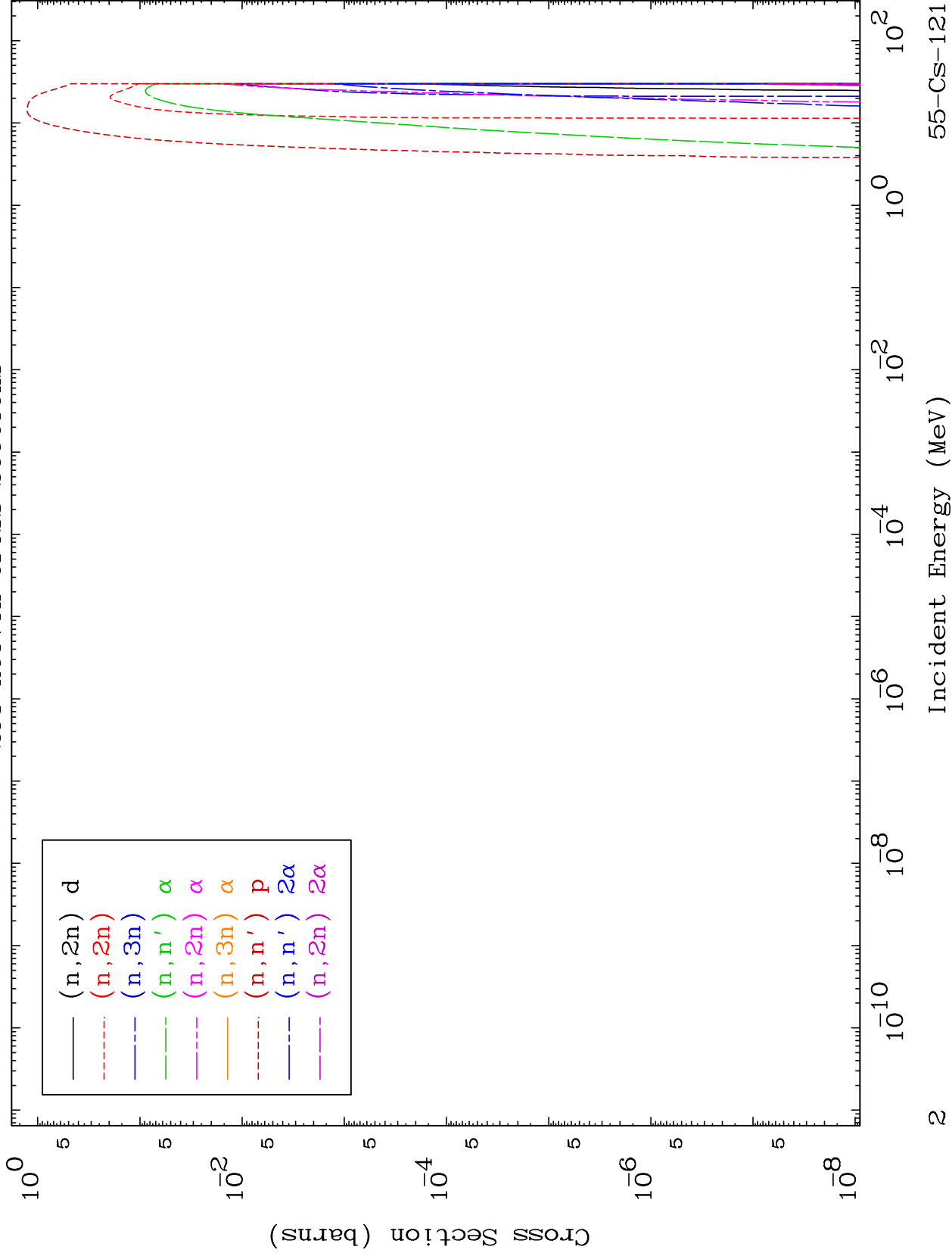
55-Cs-121



MAT 5489

Neutron Absorption
293 Kelvin Cross Sections

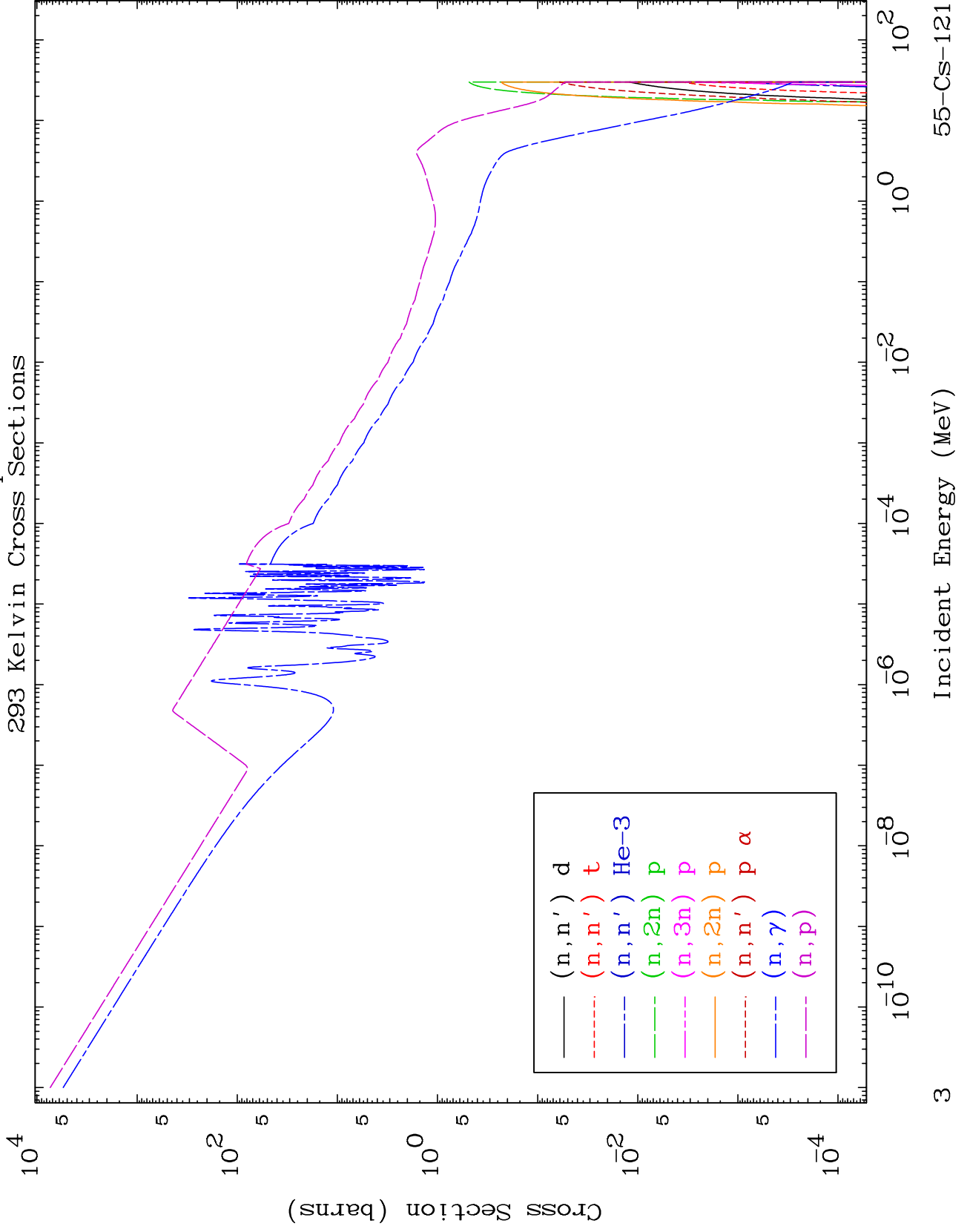
55-Cs-121



MAT 5489

Neutron Absorption
293 Kelvin Cross Sections

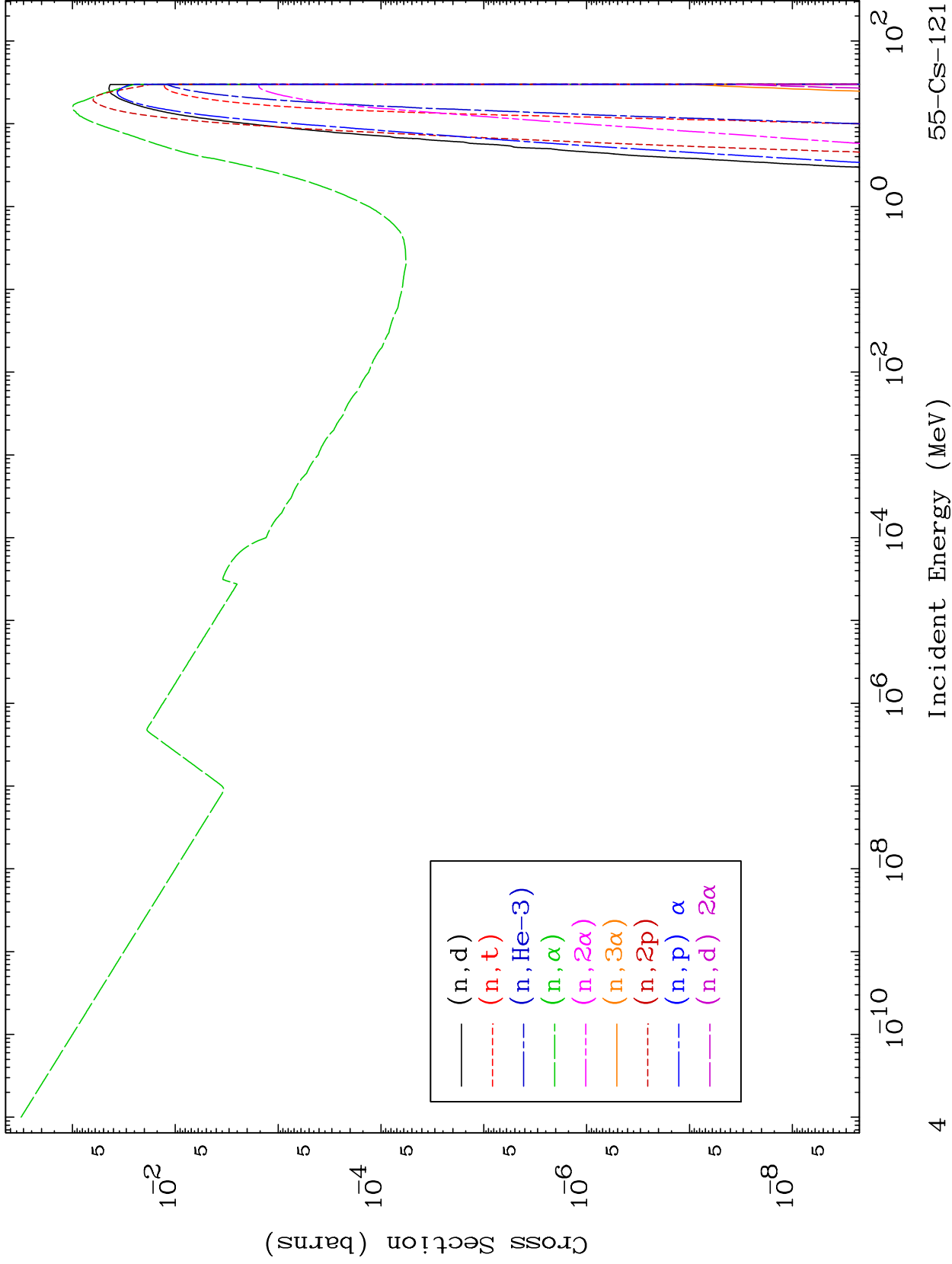
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MAT 5489

Neutron Absorption
293 Kelvin Cross Sections

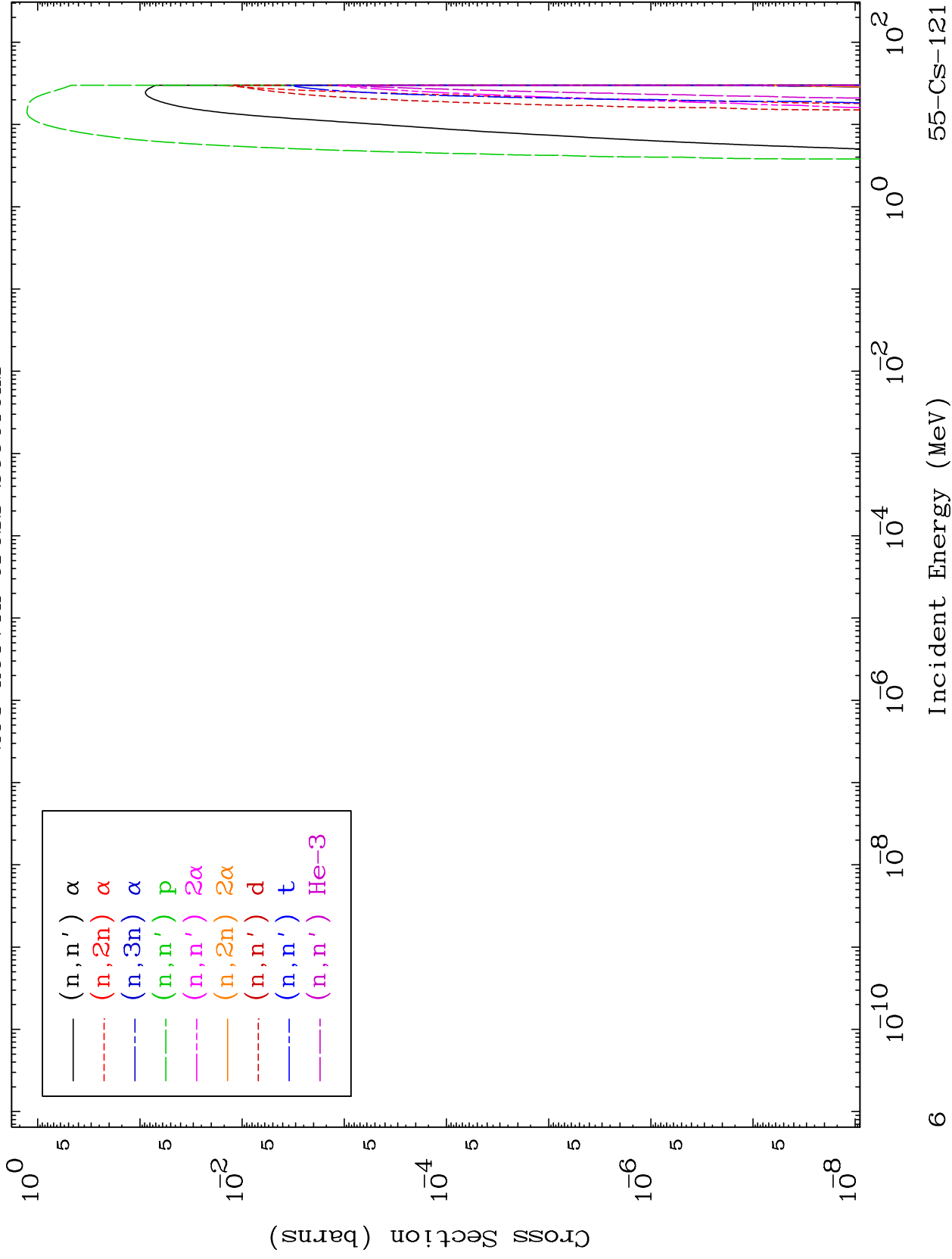
55-Cs-121



MAT 5489

Charged Particle
293 Kelvin Cross Sections

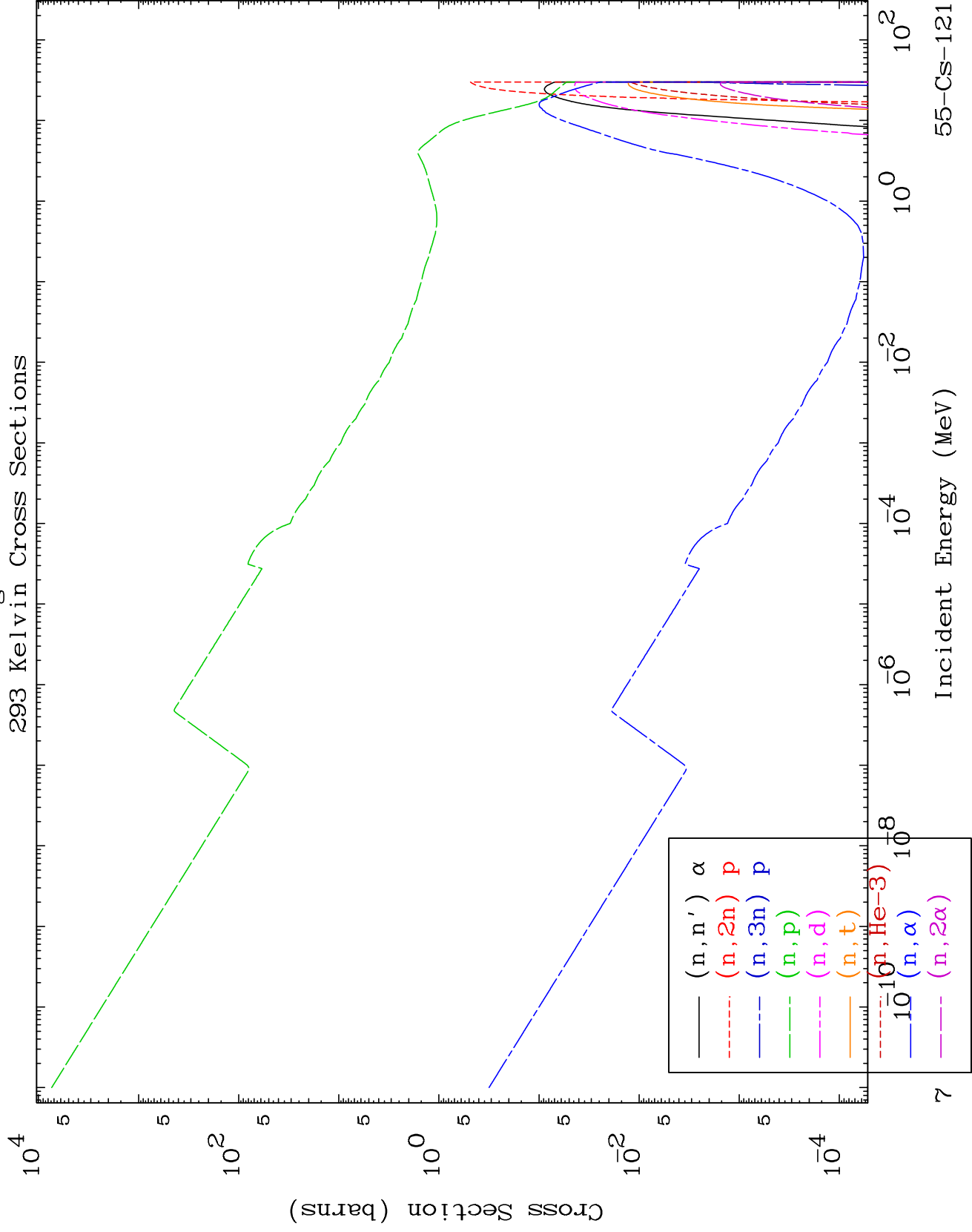
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MAT 5489

Charged Particle
293 Kelvin Cross Sections

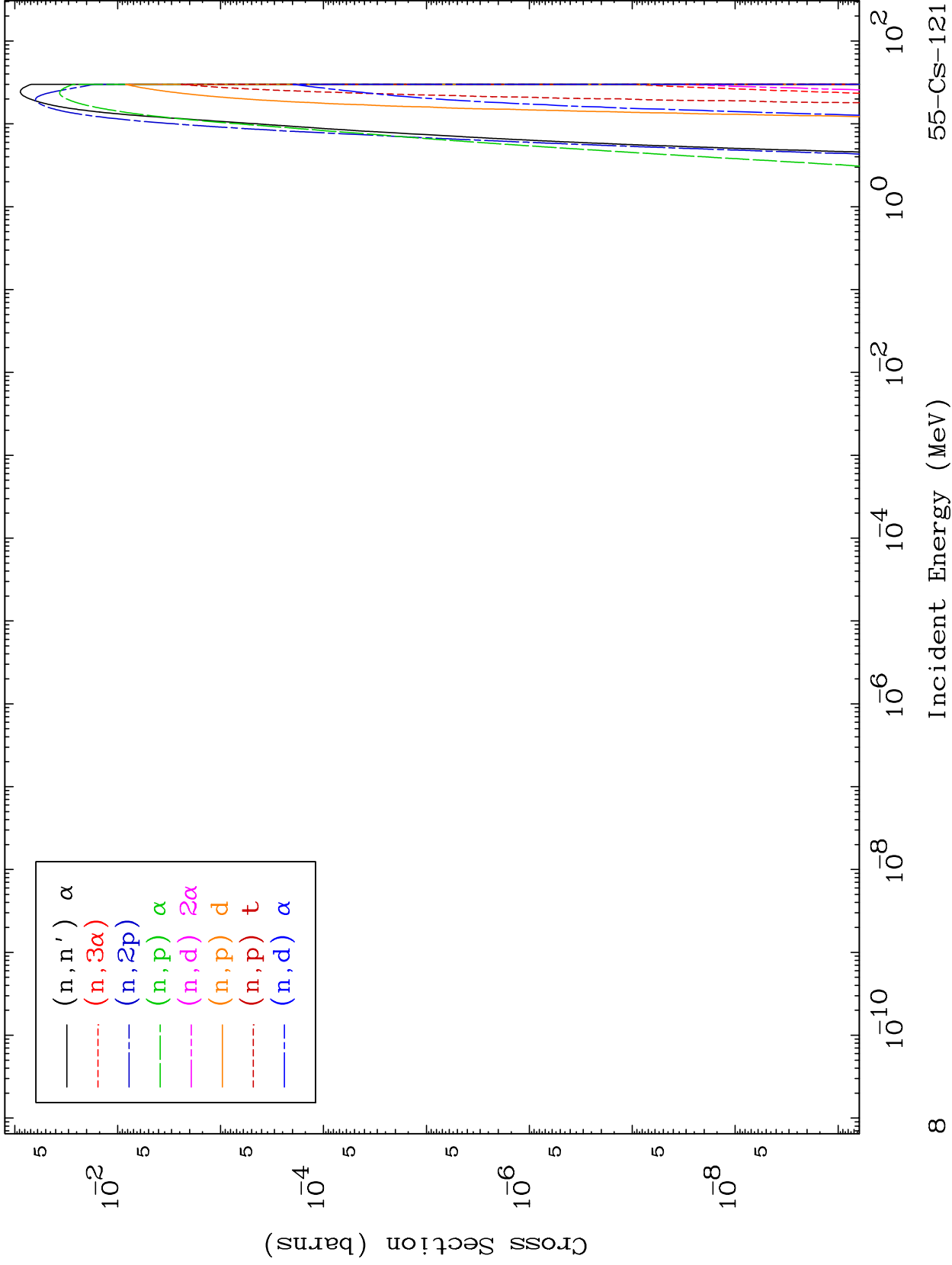
55-Cs-121



MAT 5489

Charged Particle
293 Kelvin Cross Sections

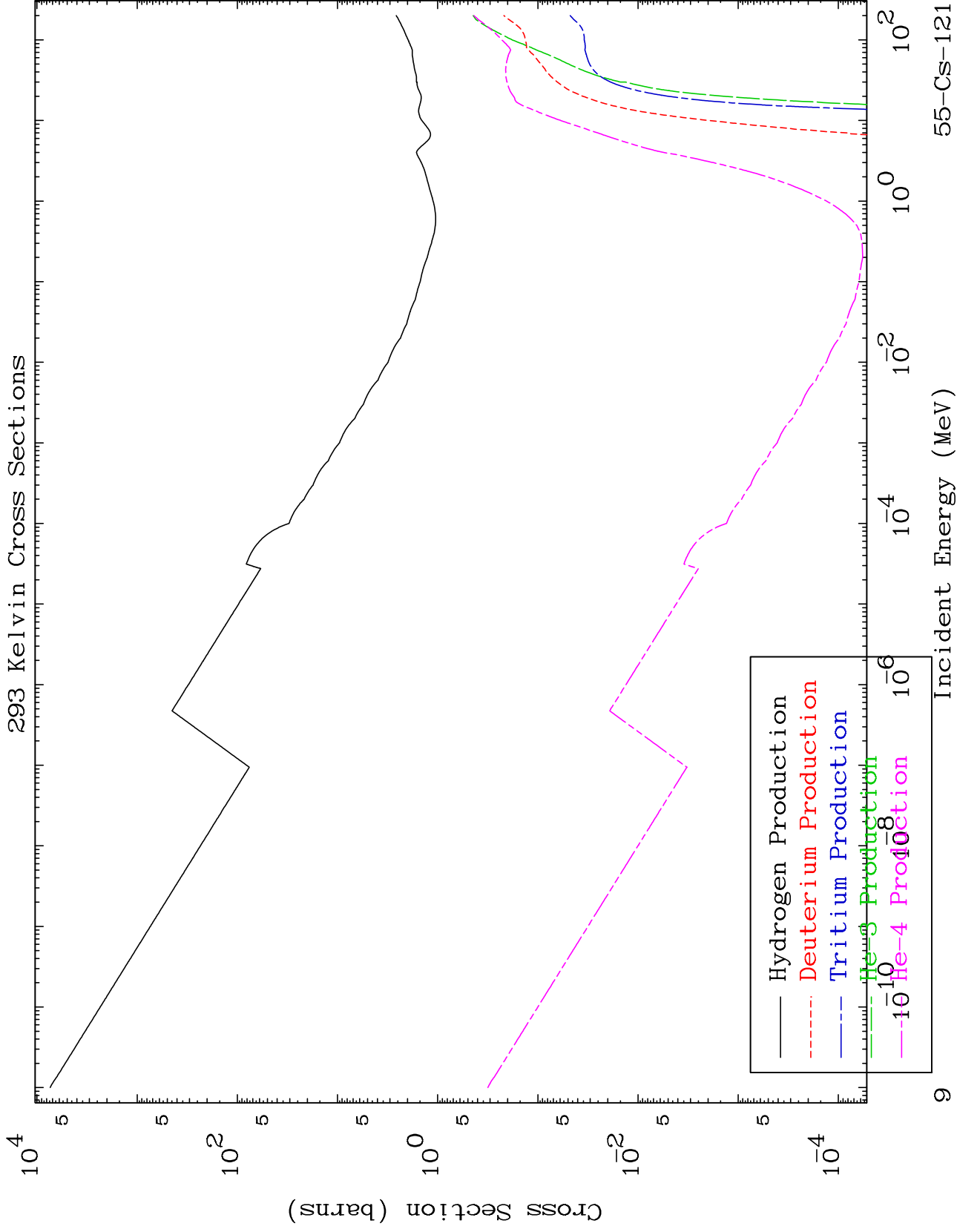
55-Cs-121



MAT 5489

Particle Production
293 Kelvin Cross Sections

55-Cs-121

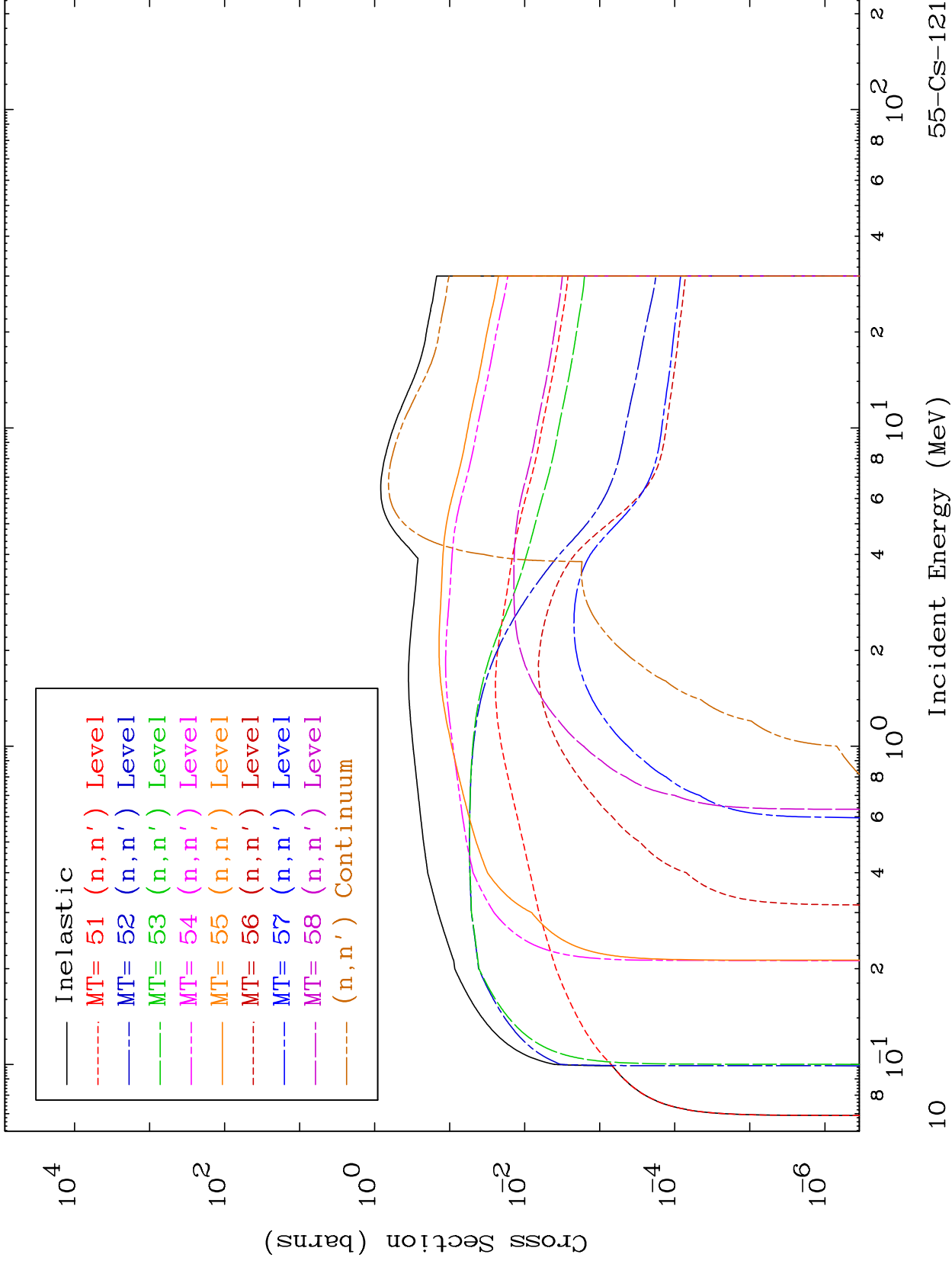


9

MAT 5489

(n,n') Levels
293 Kelvin Cross Sections

55-Cs-121



10

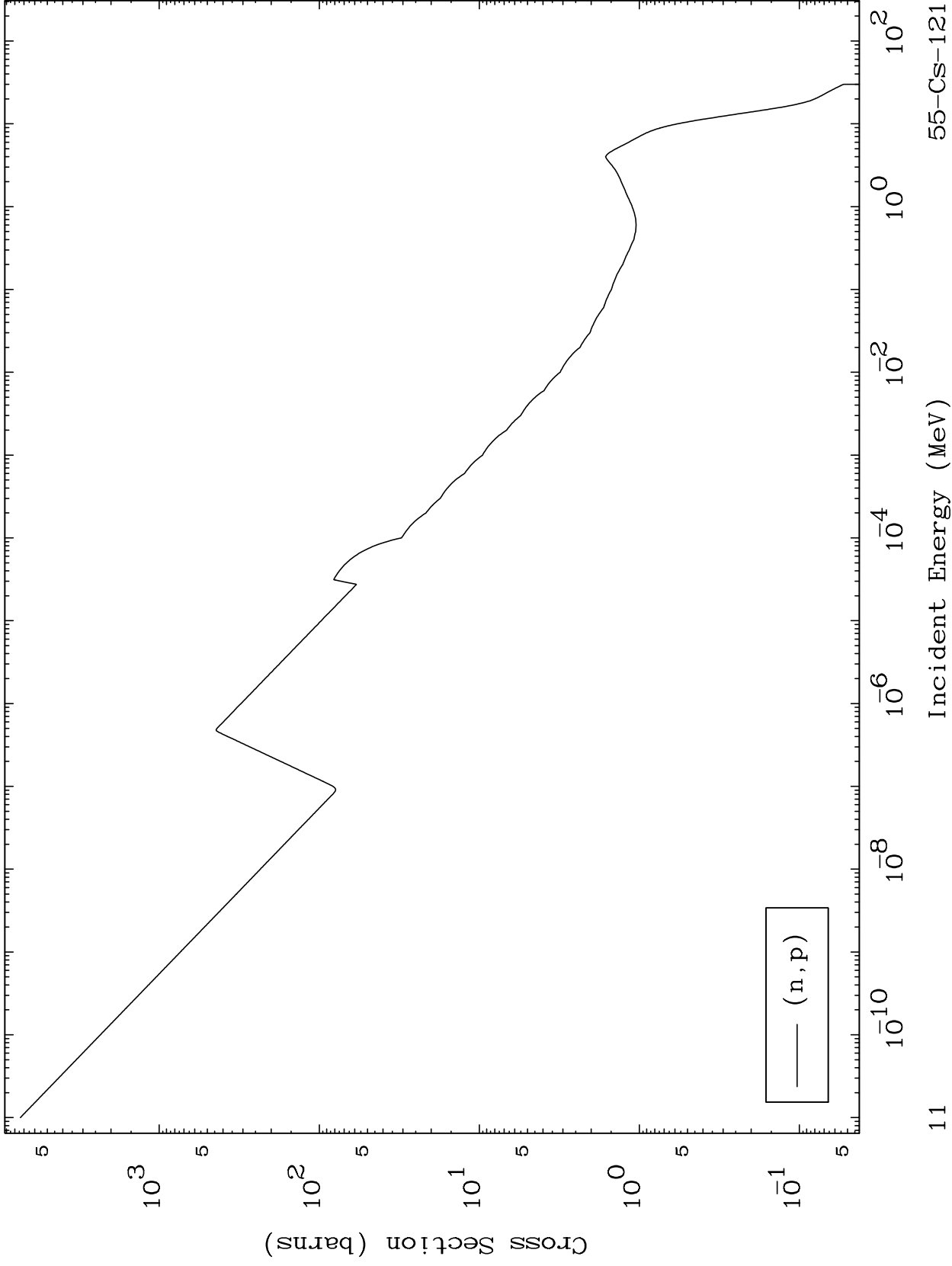
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n,p) Levels
293 Kelvin Cross Sections

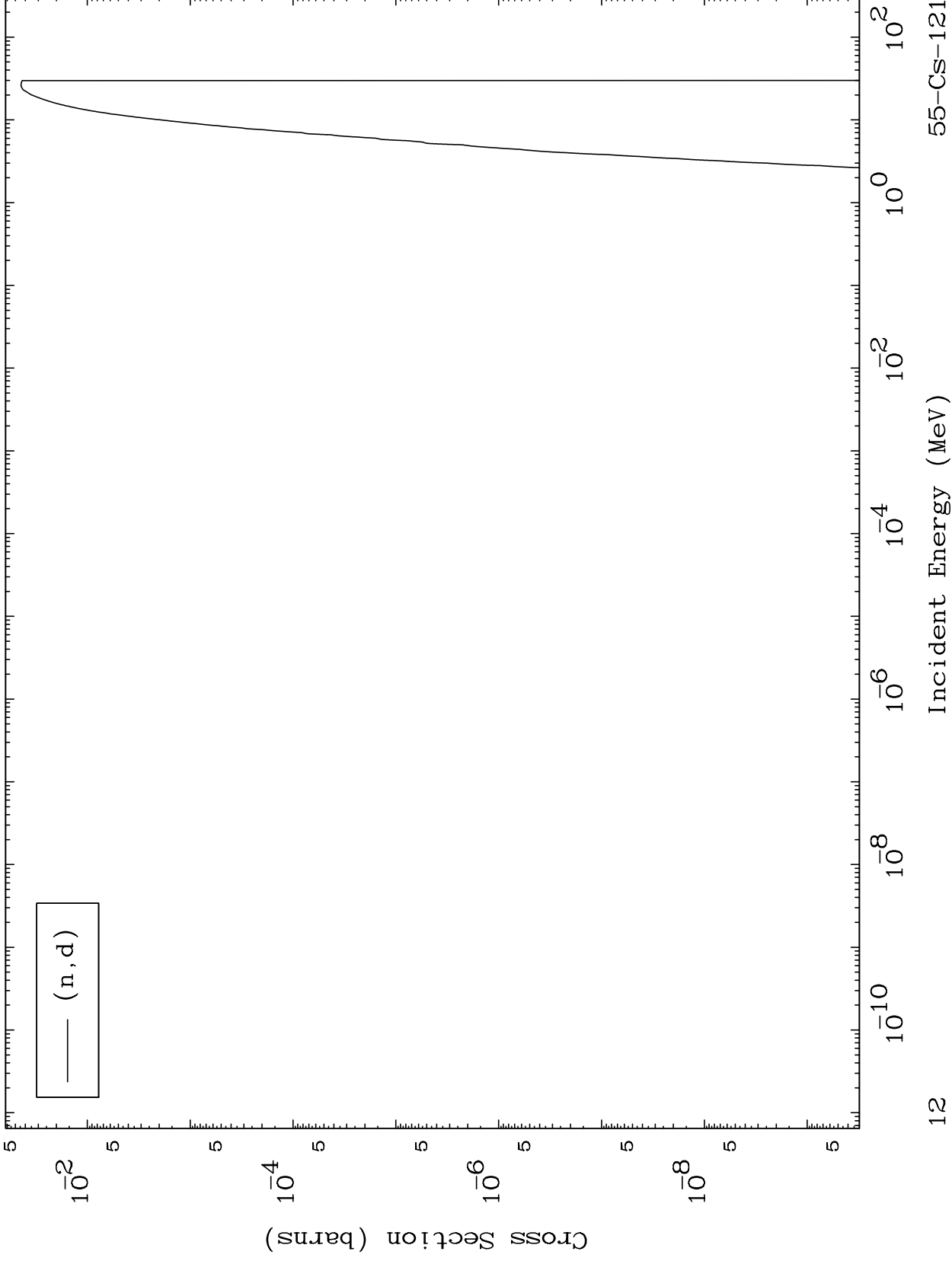
55-Cs-121



MAT 5489

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-121



12

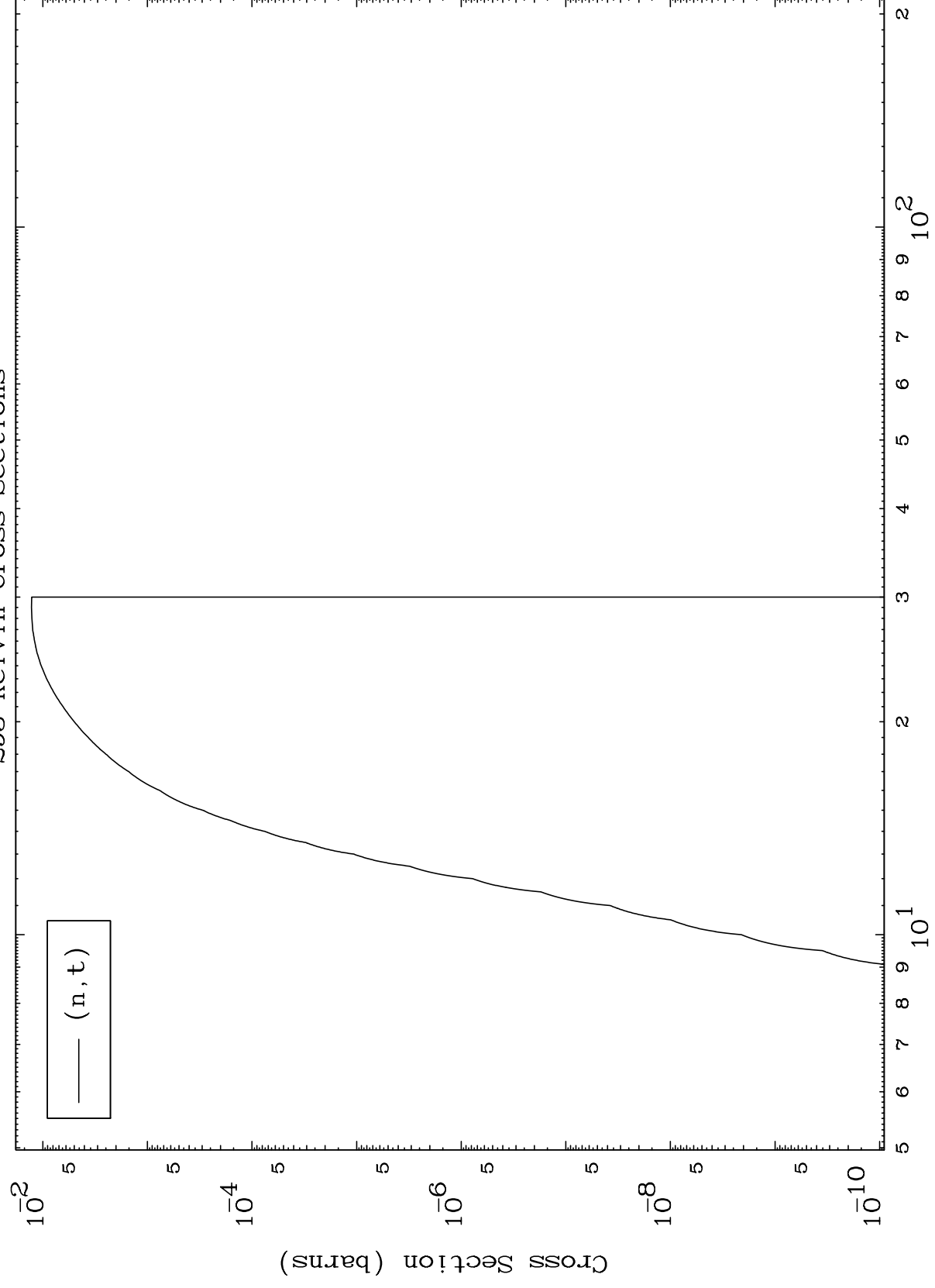
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-121



(n,t)

13

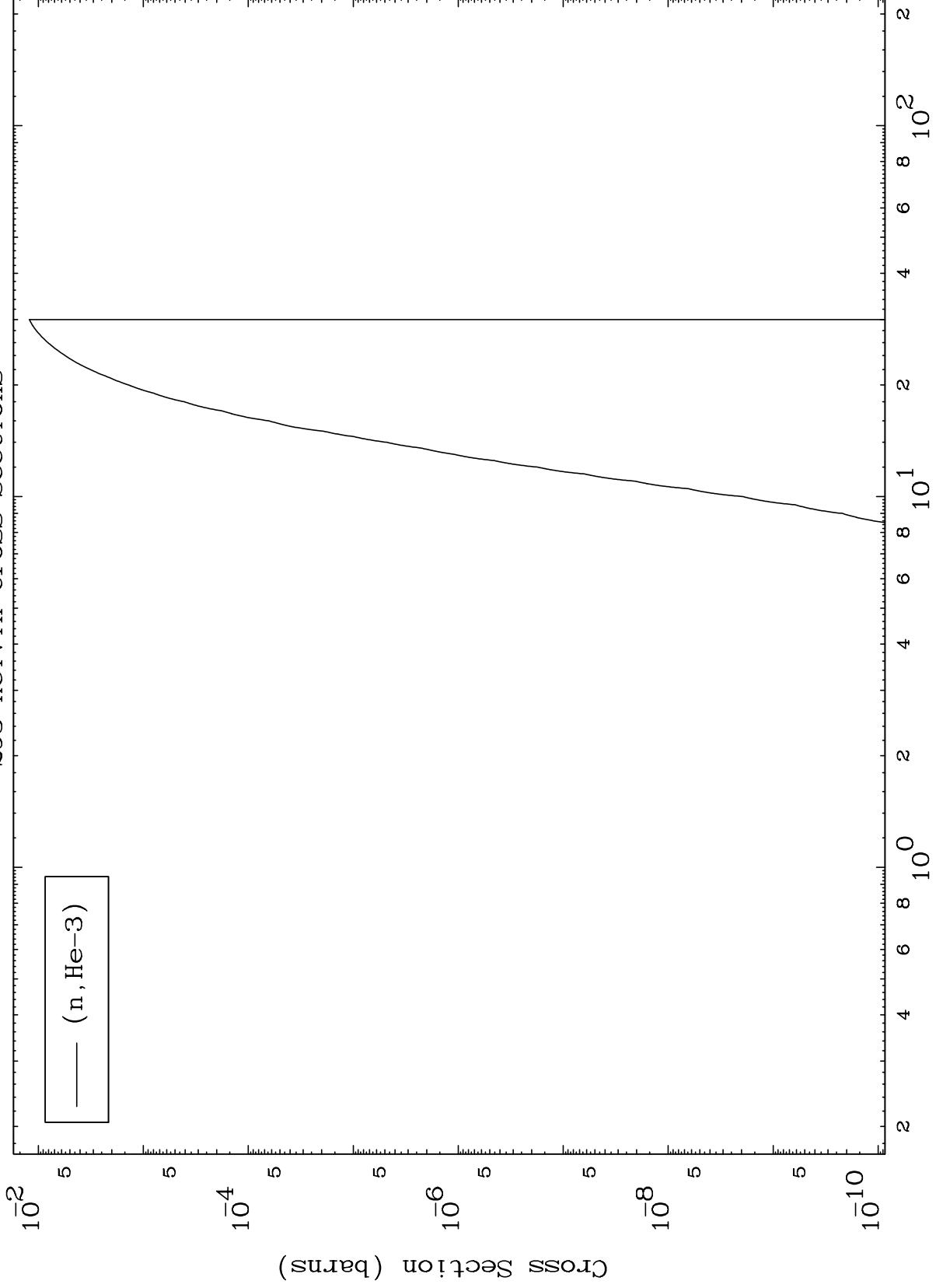
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-121



14

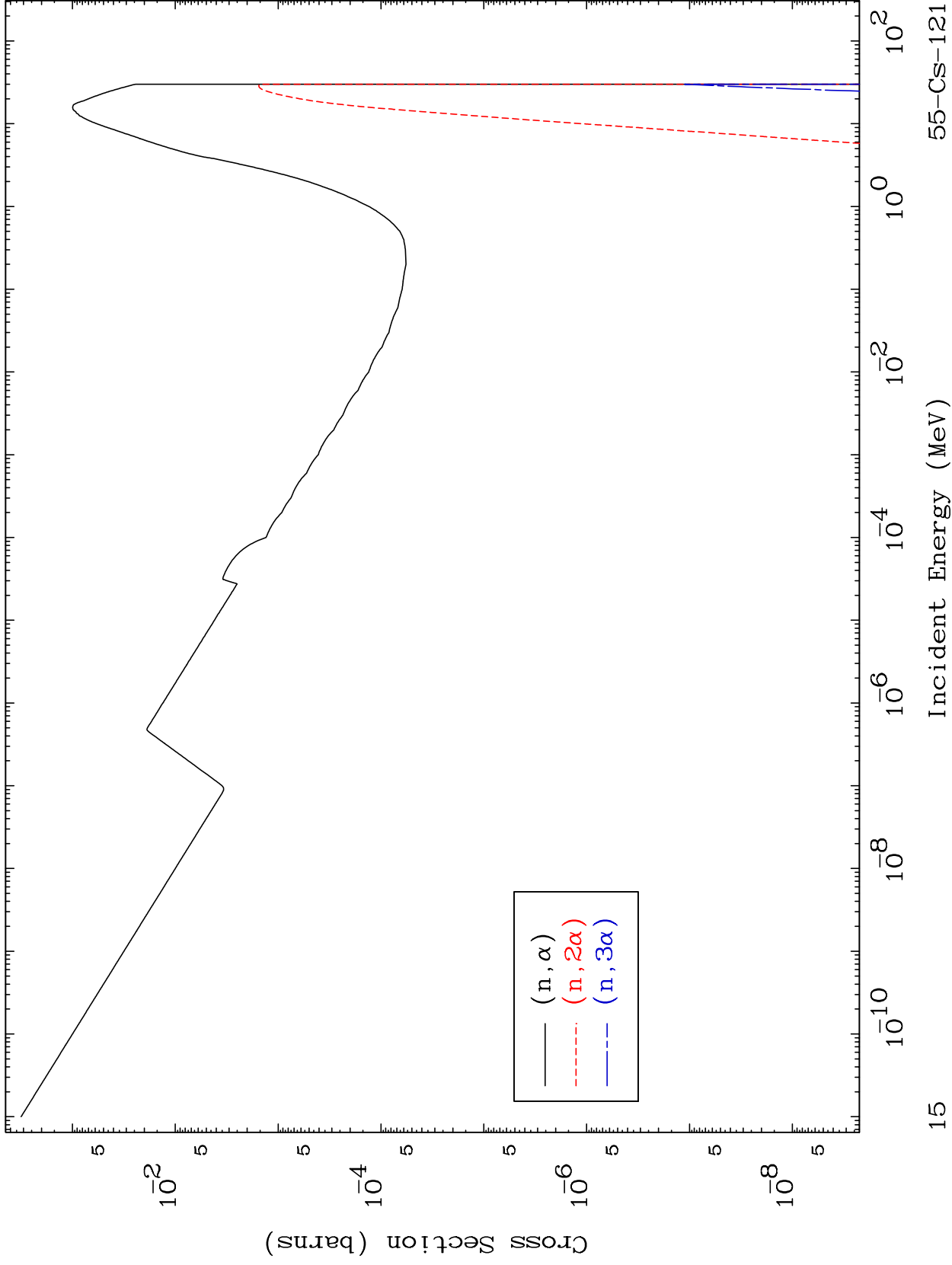
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n, α) Levels
293 Kelvin Cross Sections

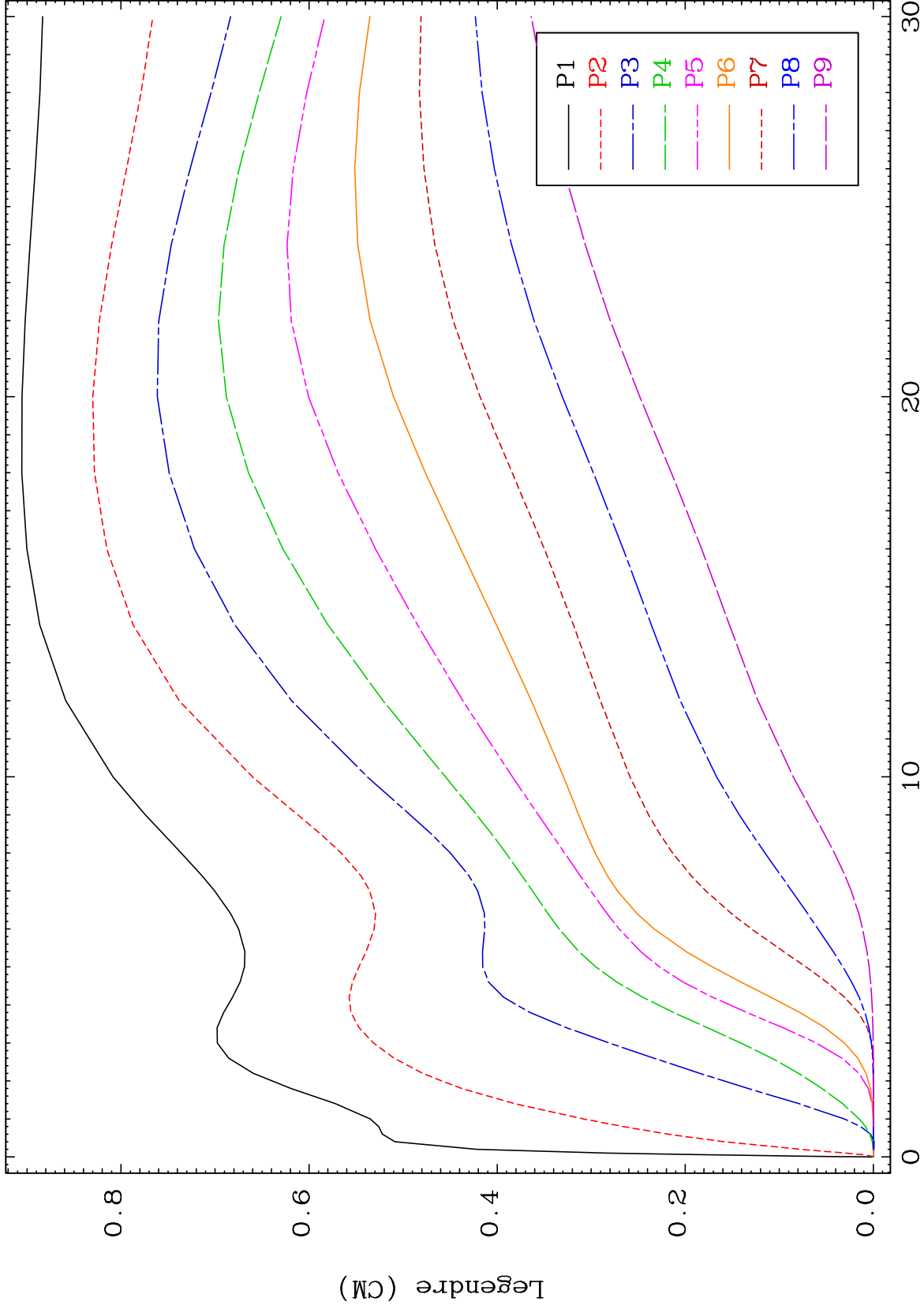
55-Cs-121



MAT 5489

Elastic Legendre Coefficients

55-Cs-121



16

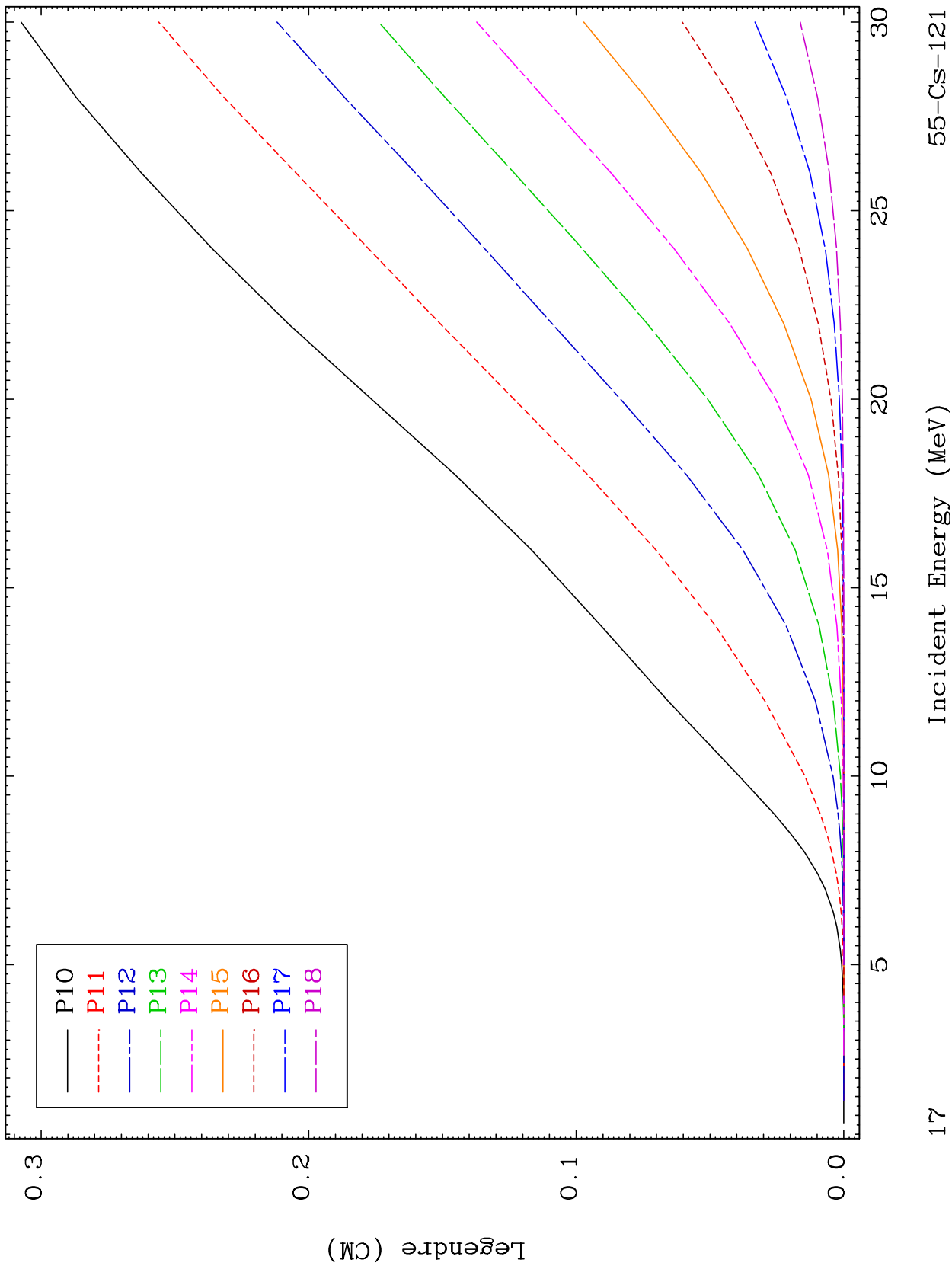
Incident Energy (MeV)

55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



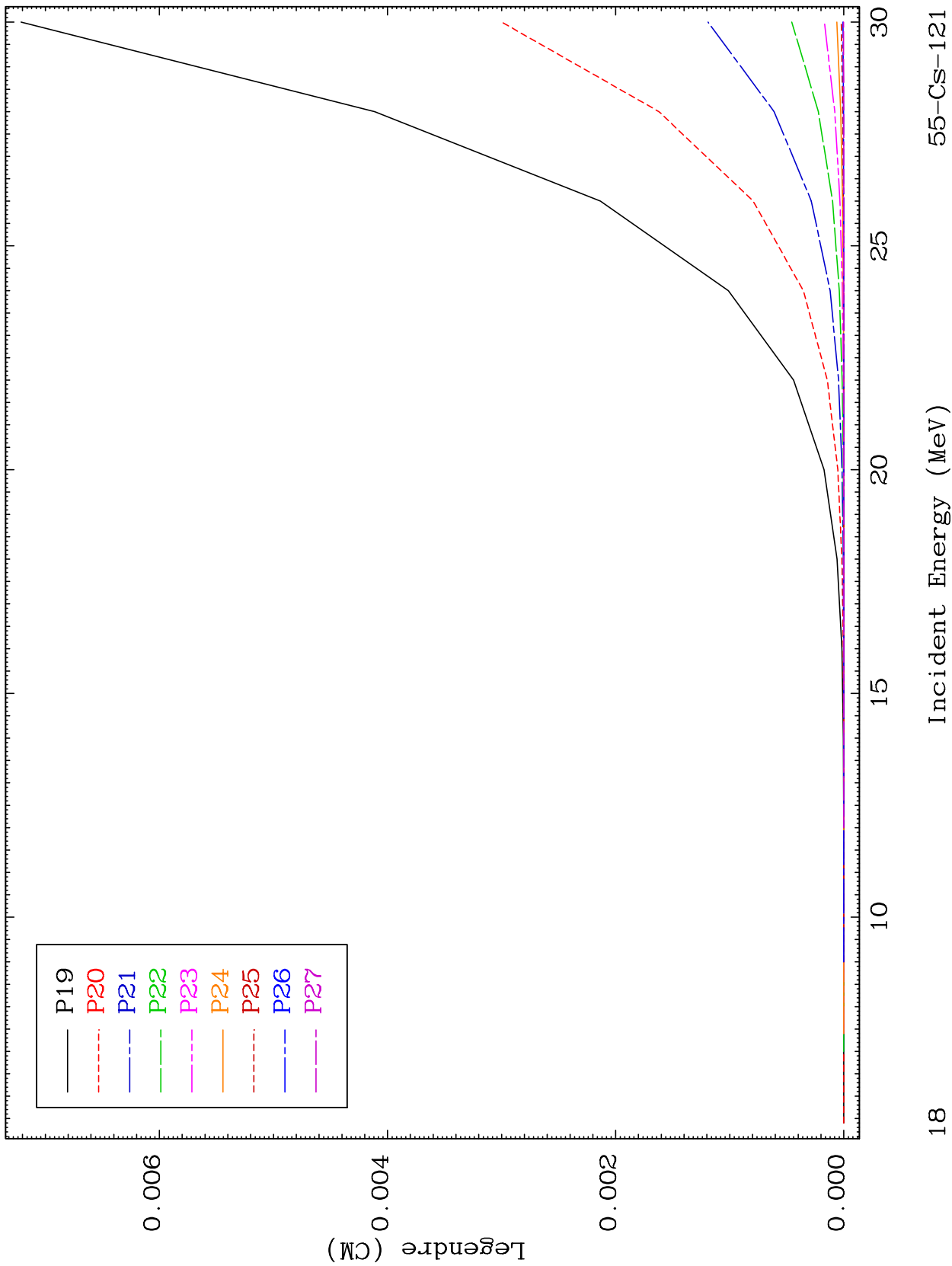
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55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



18

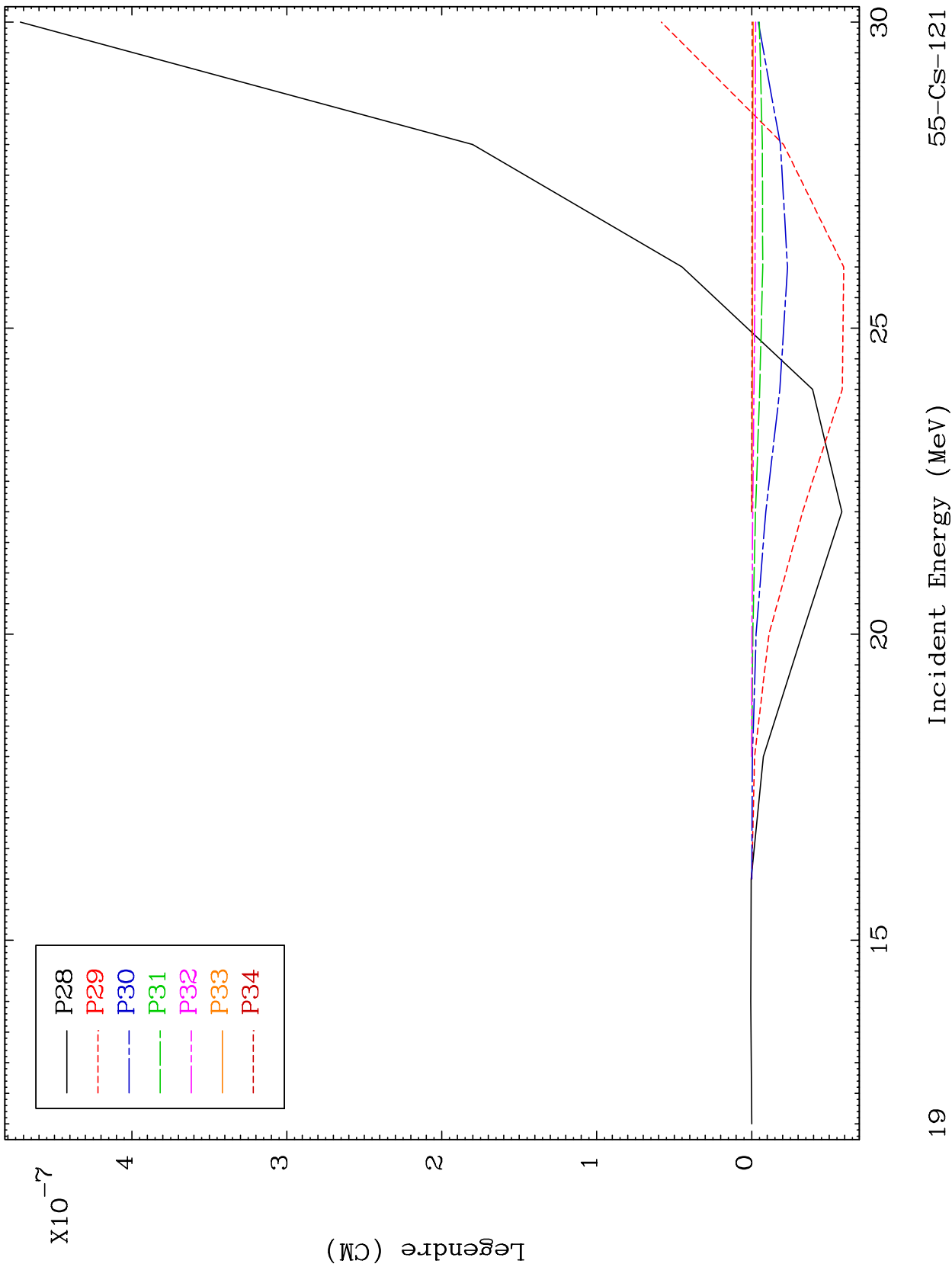
Incident Energy (MeV)

55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



19

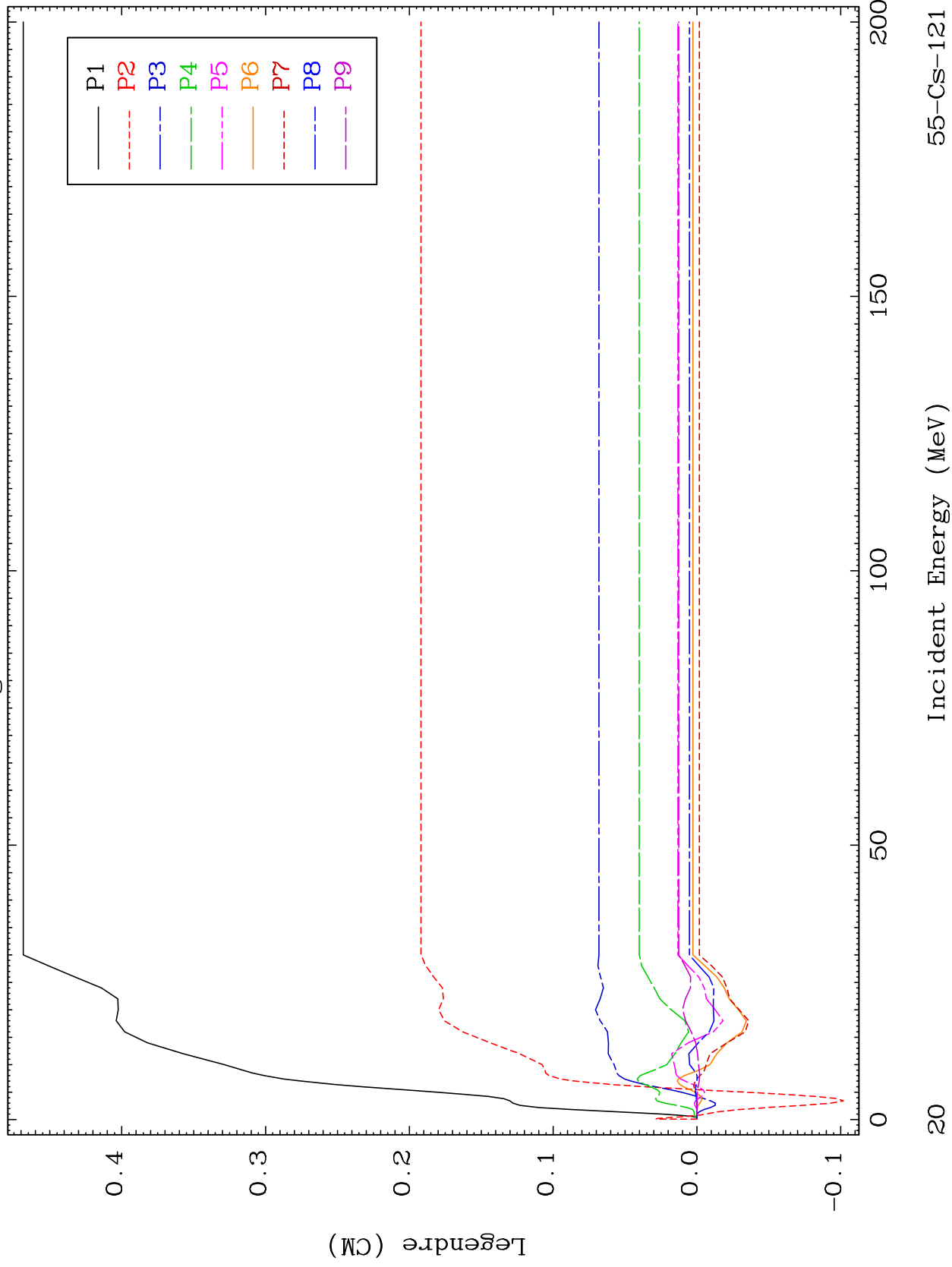
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



55-Cs-121

Incident Energy (MeV)

0

50

100

150

200

Legendre (CM)

0.4

0.3

0.2

0.1

0.0

-0.1

P1

P2

P3

P4

P5

P6

P7

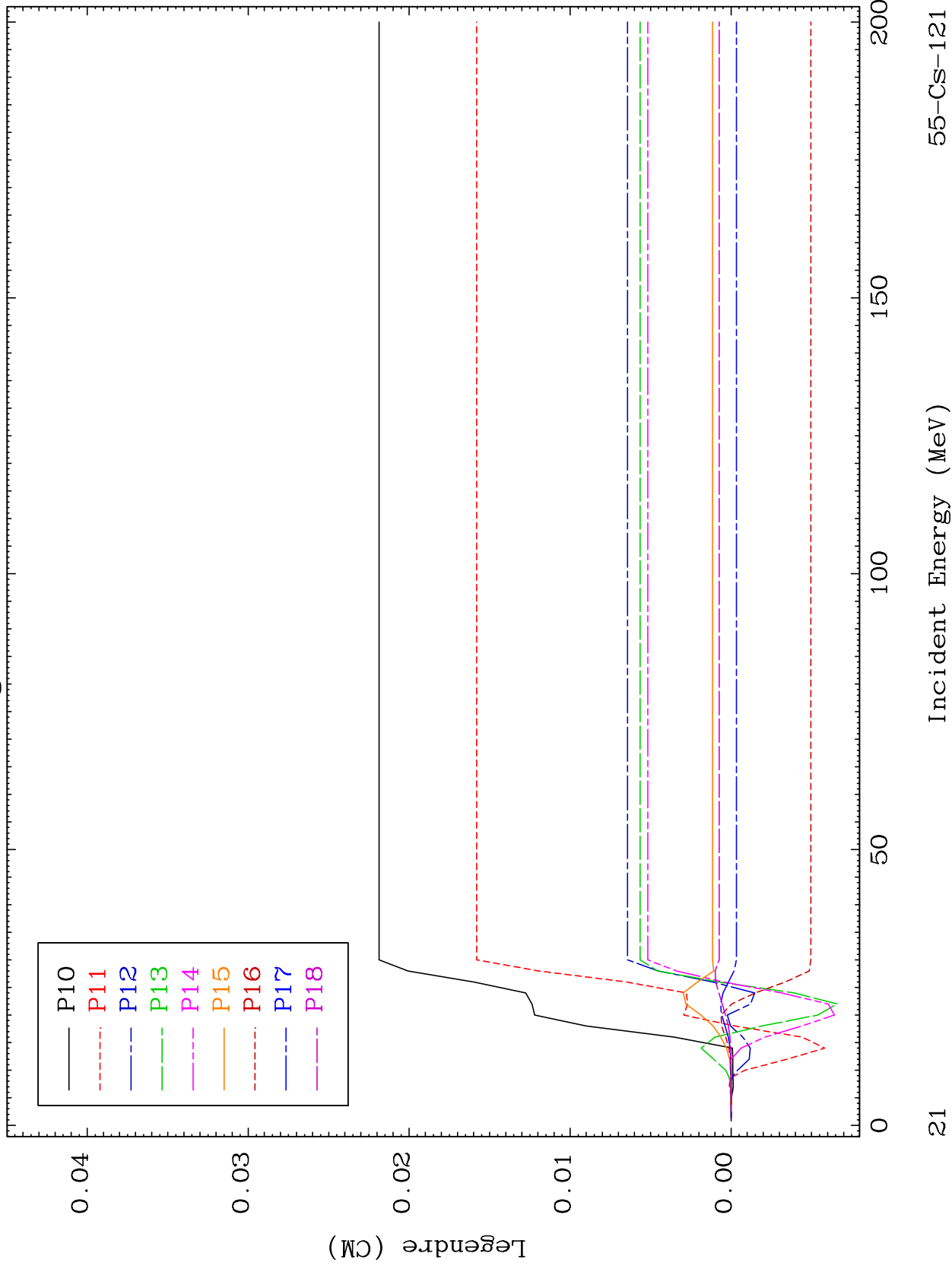
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P9

MAT 5489

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

55-Cs-121



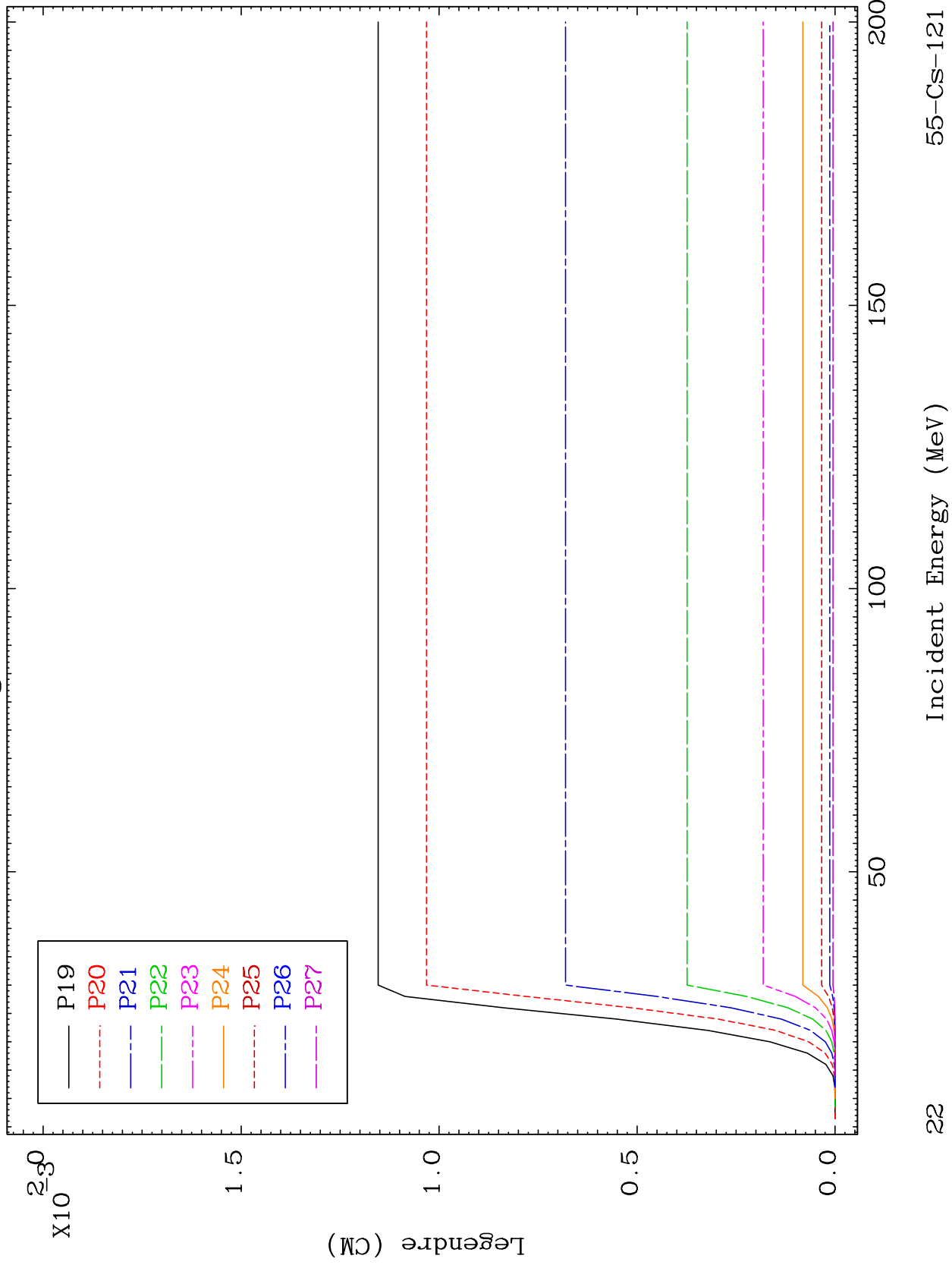
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55-Cs-121

MAT 5489

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

55-Cs-121

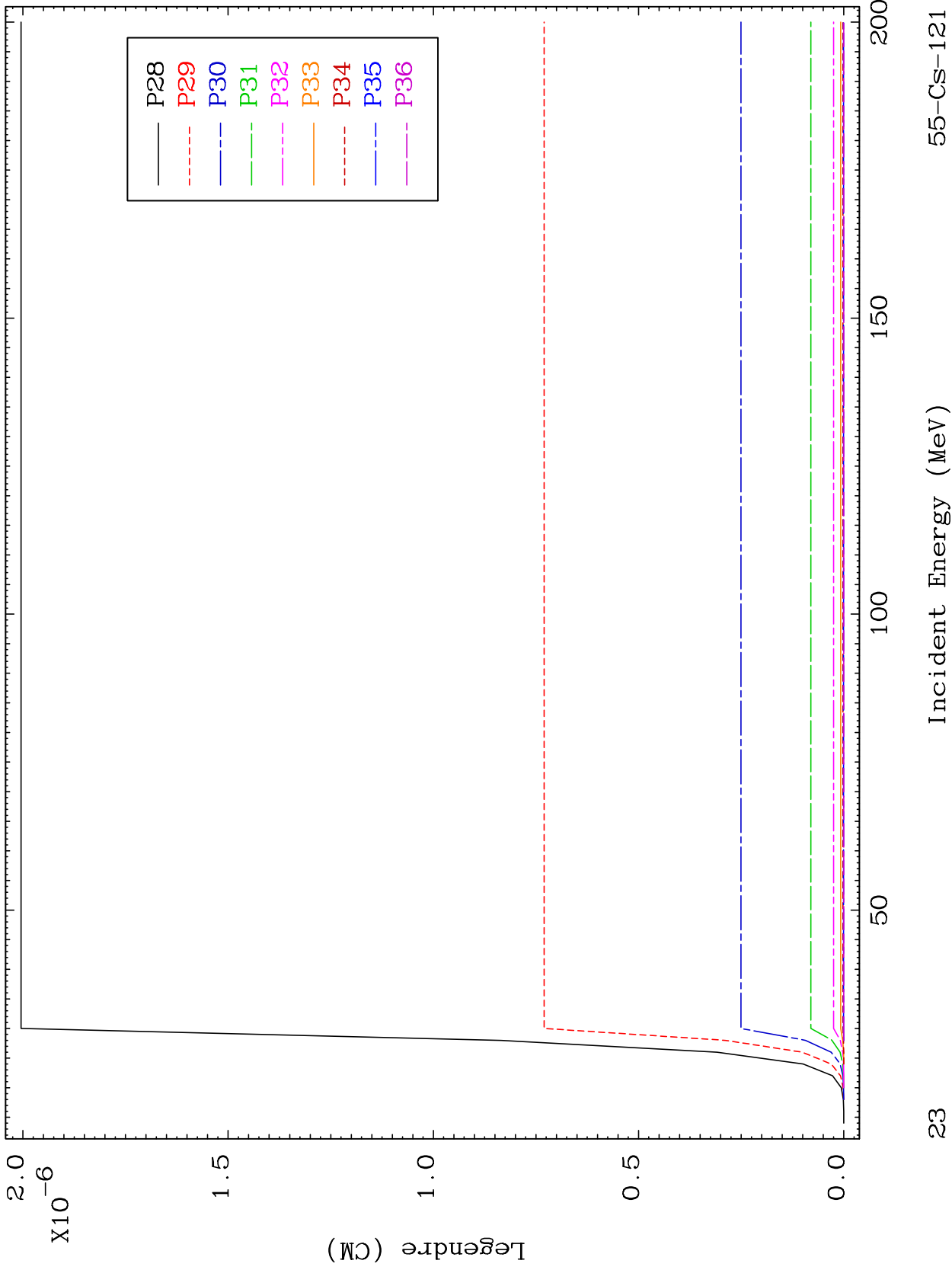


22

MAT 5489

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

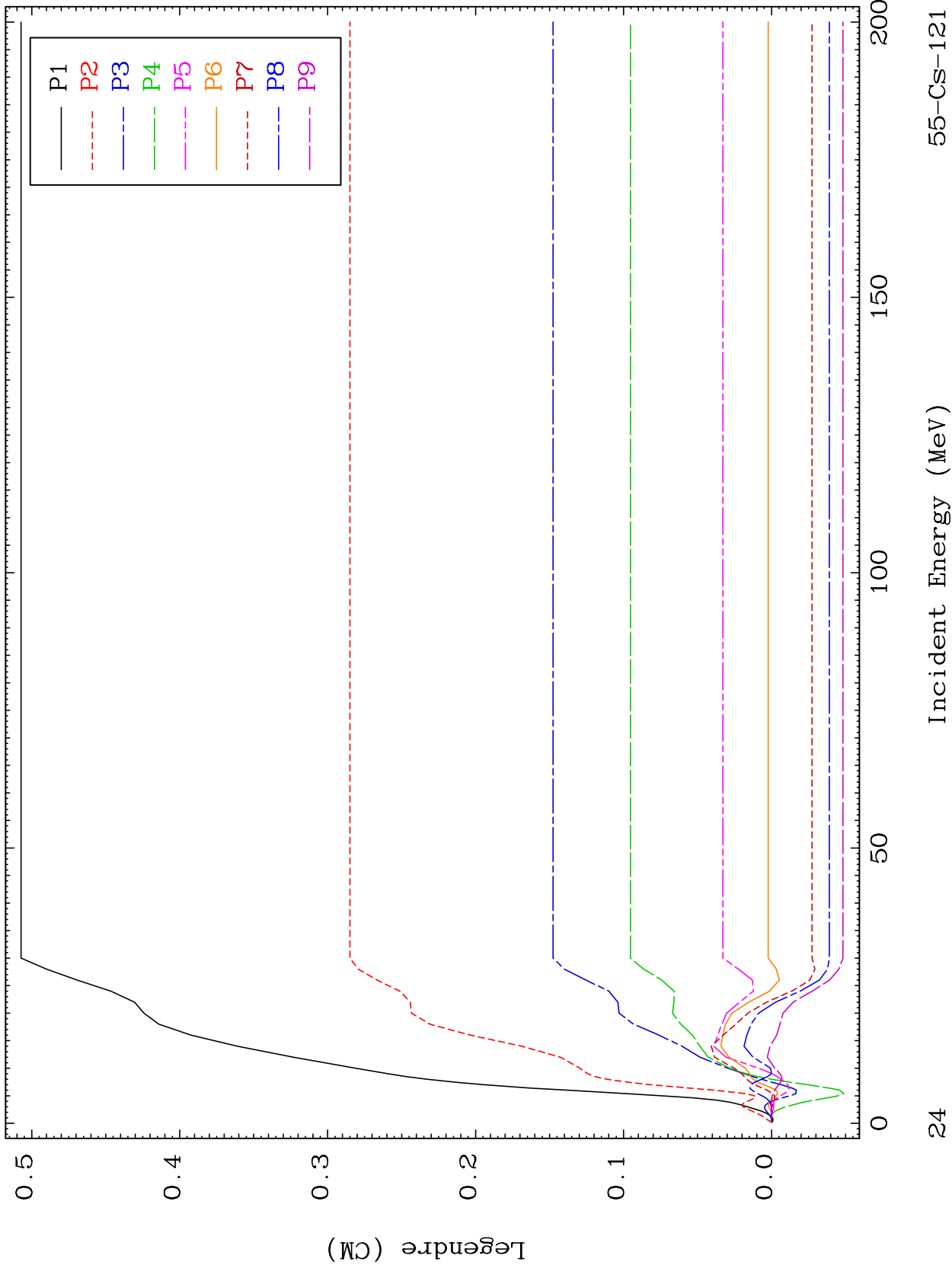
55-Cs-121



MAT 5489

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

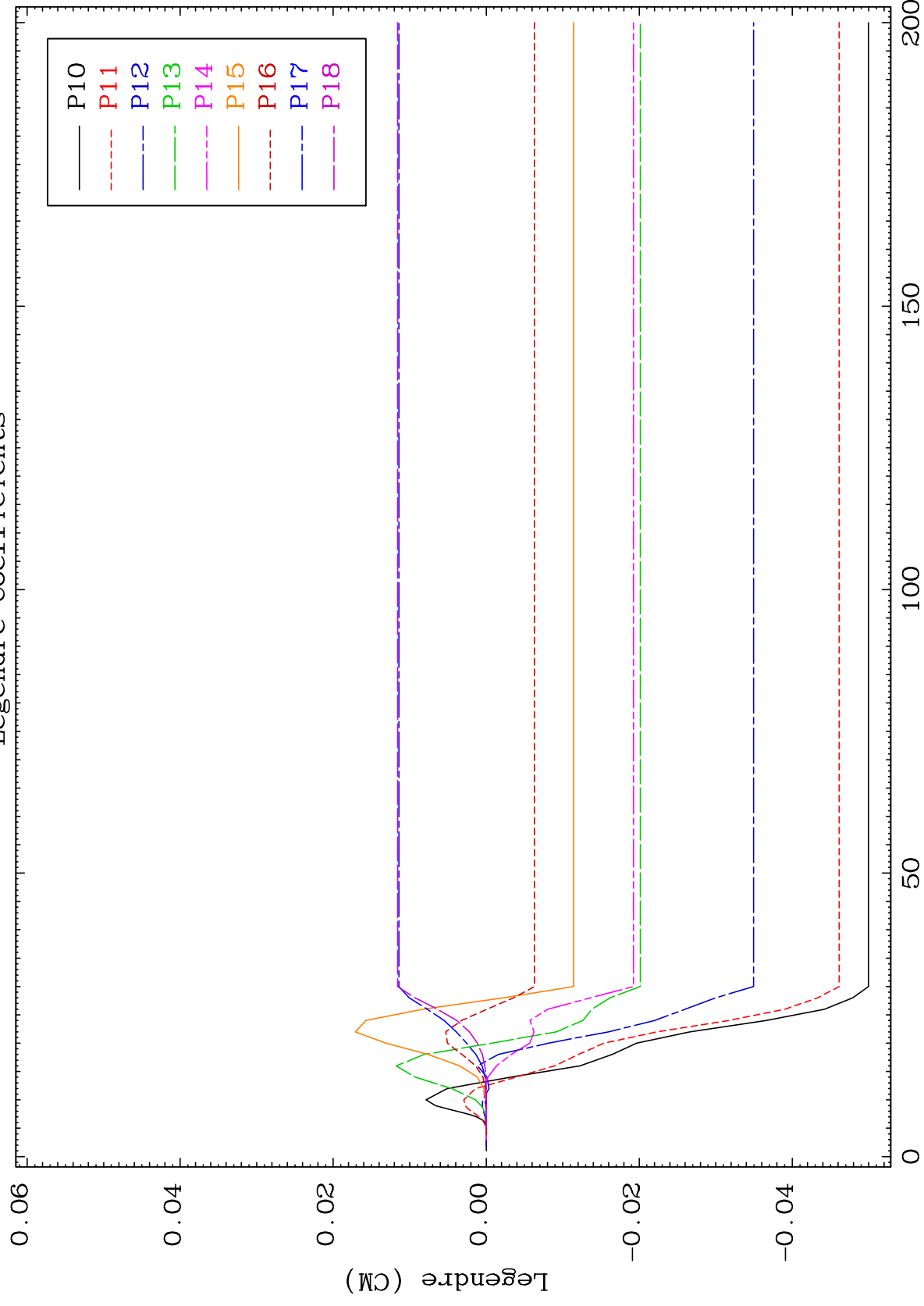
55-Cs-121



MAT 5489

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

55-Cs-121



25

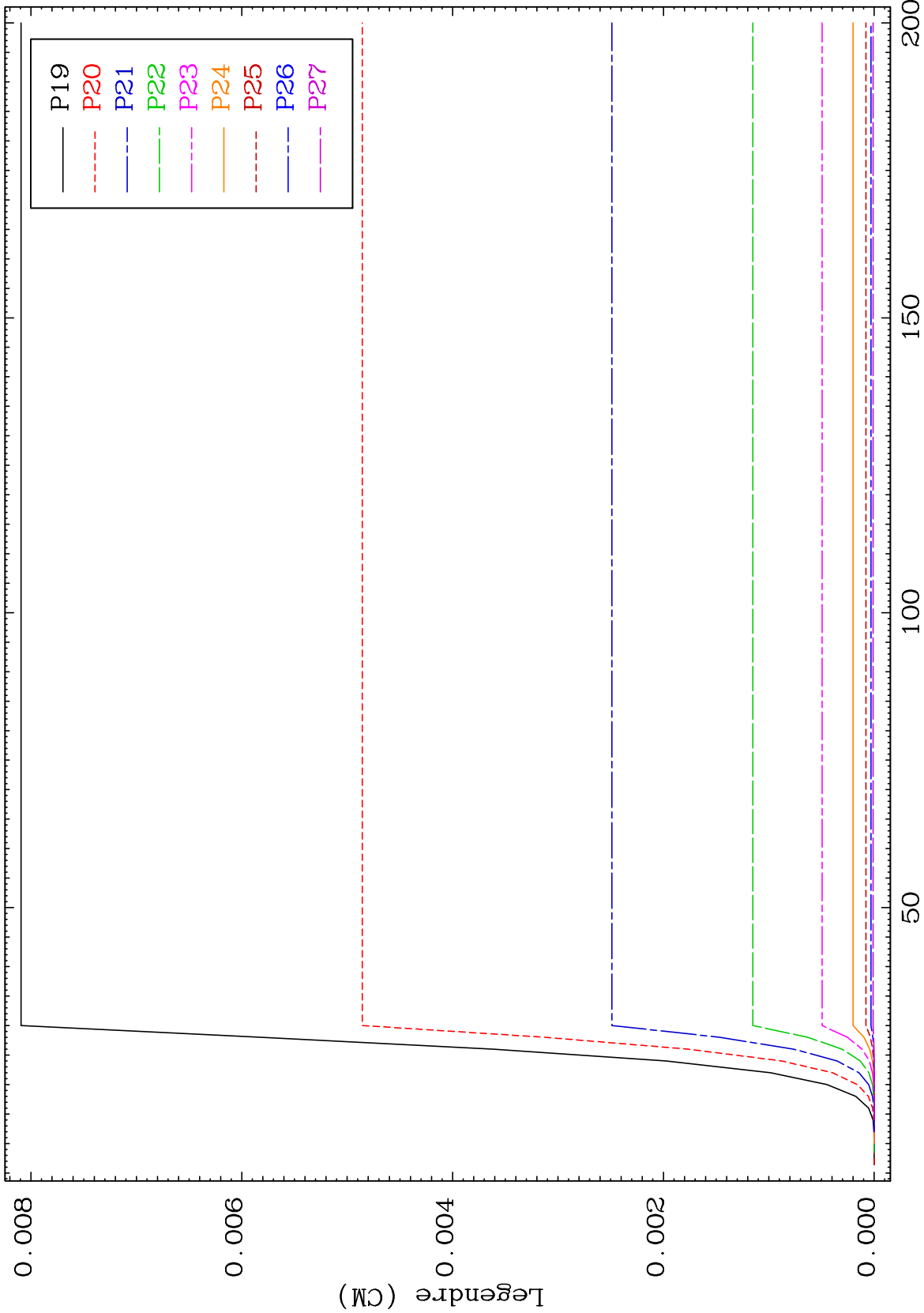
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



26

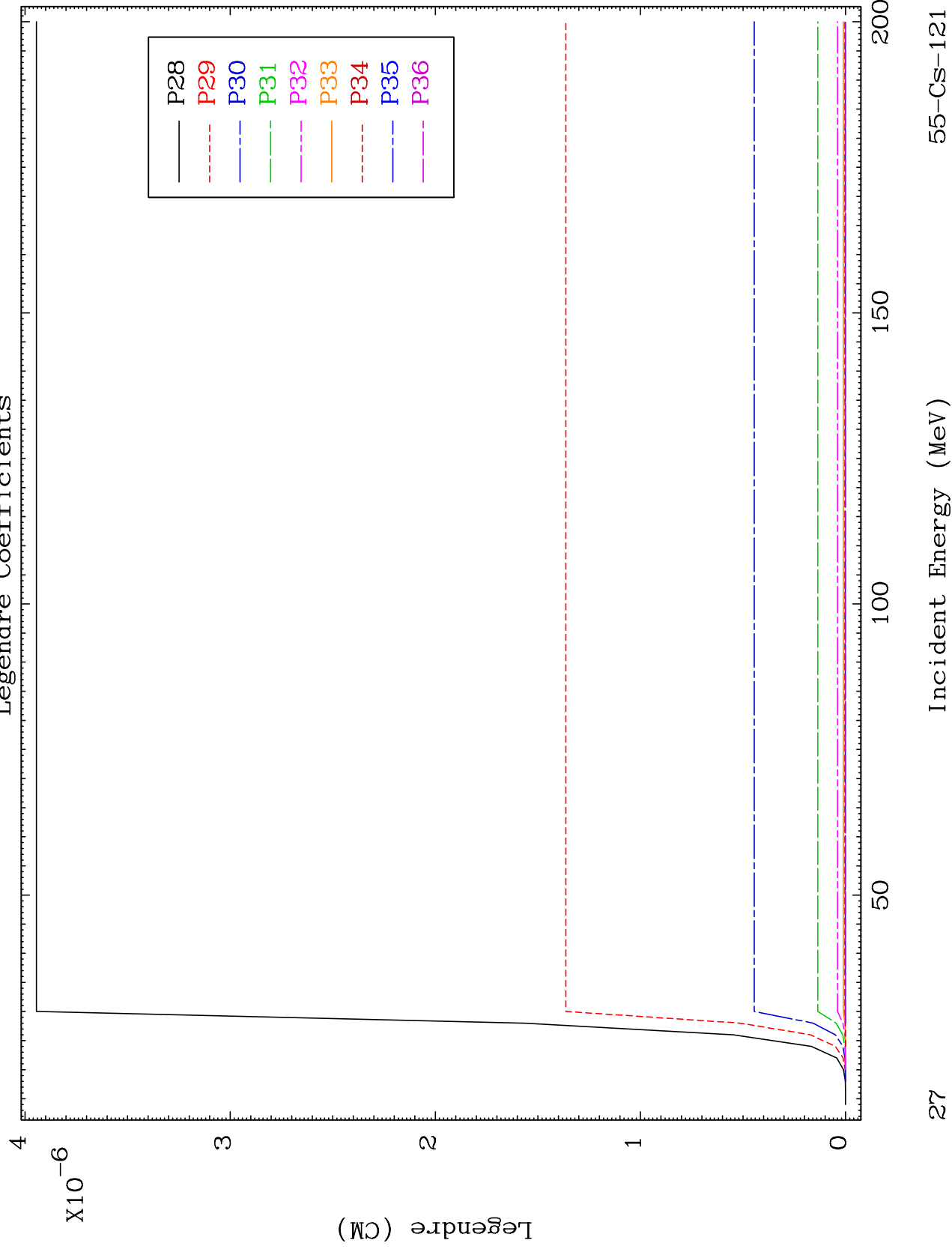
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

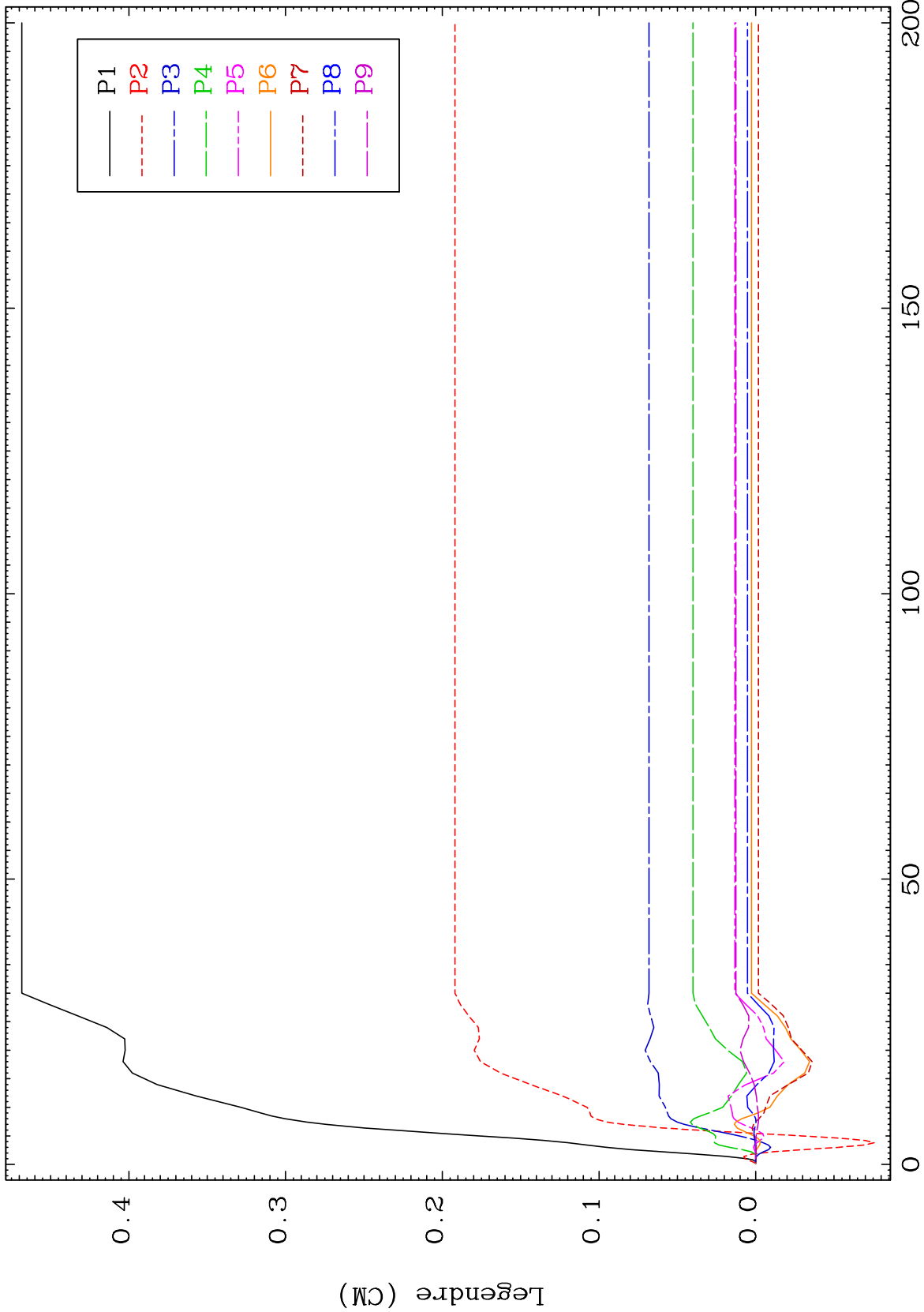
55-Cs-121



MAT 5489

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

55-Cs-121



28

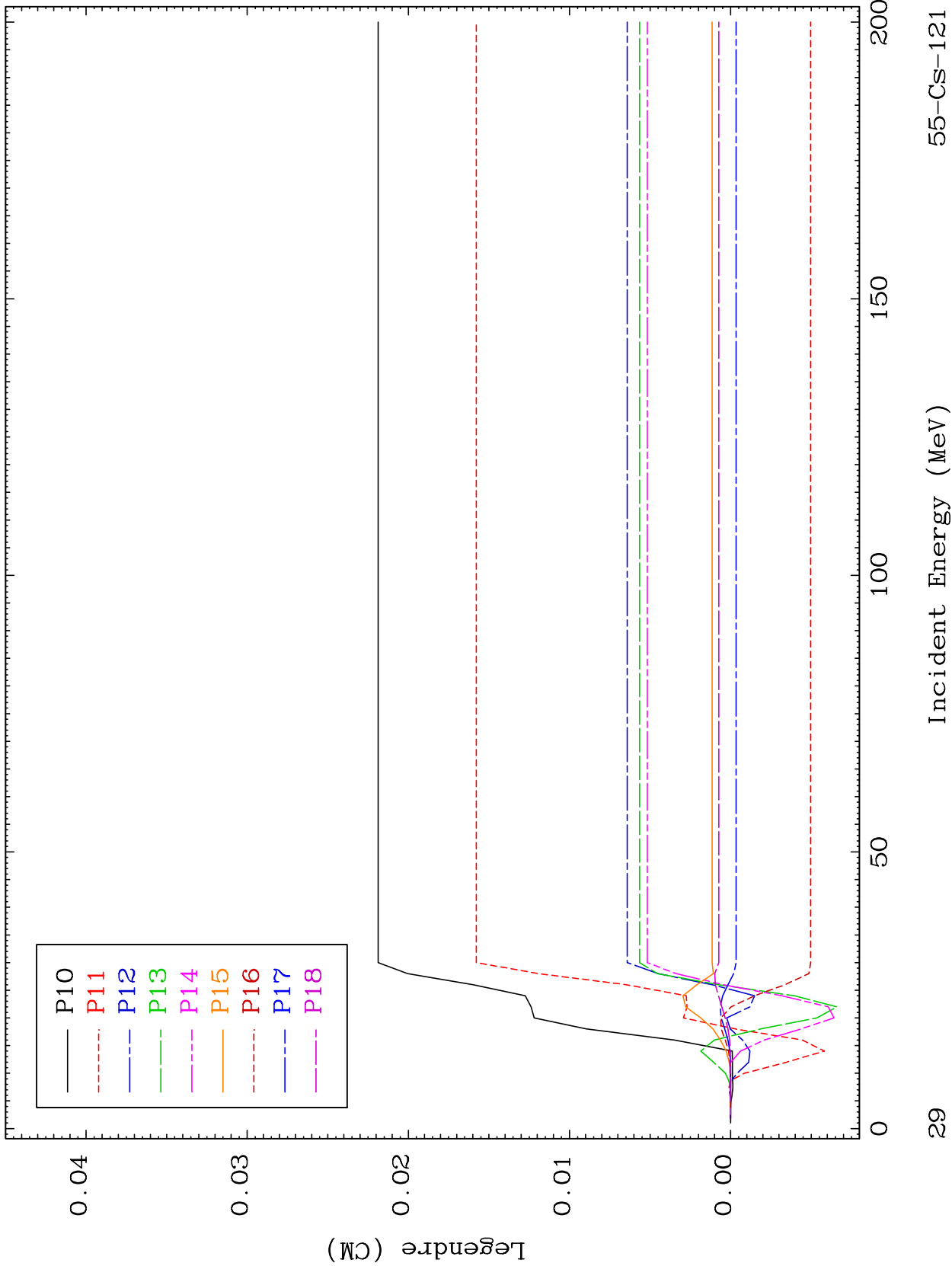
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



29

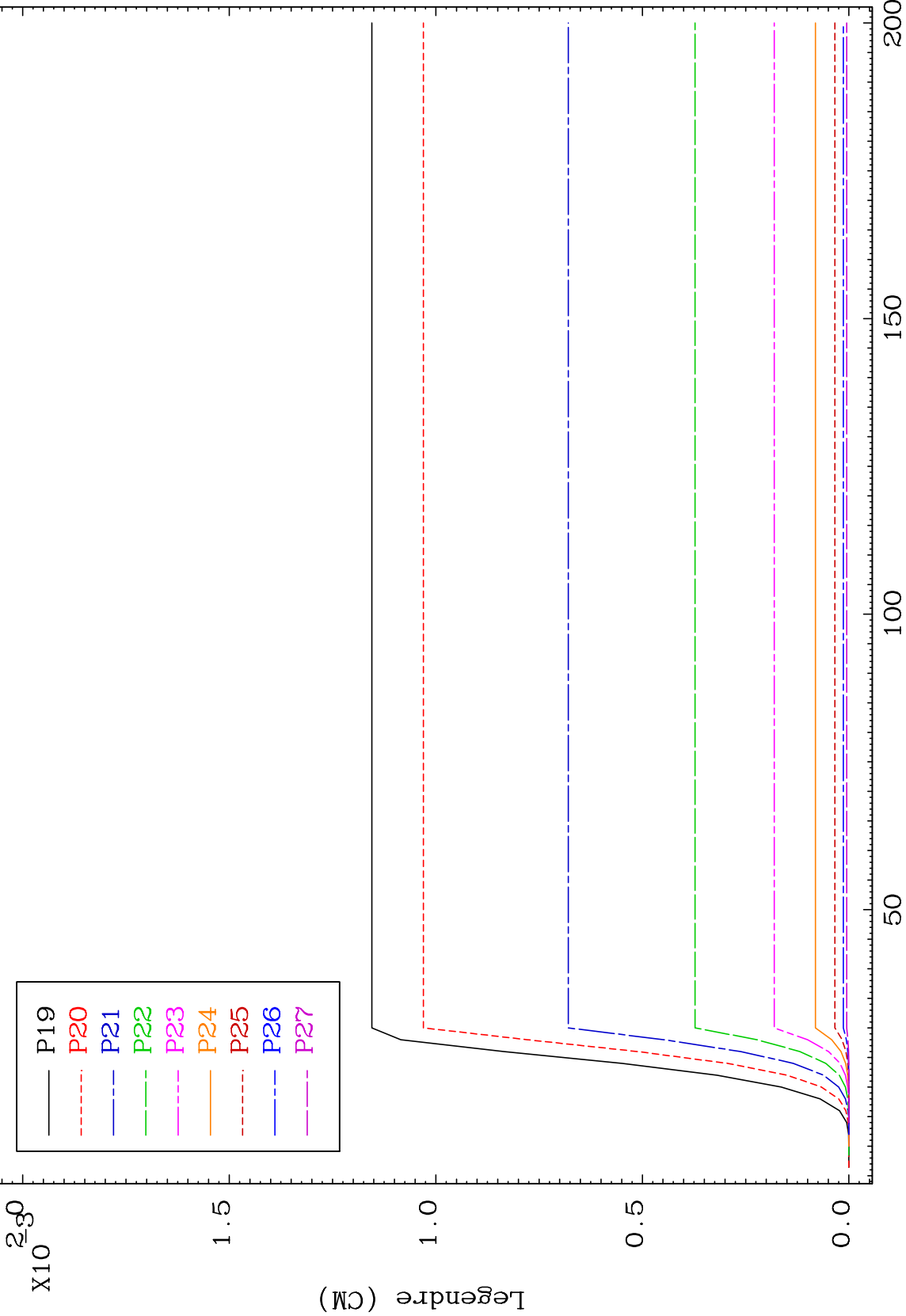
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



55-Cs-121

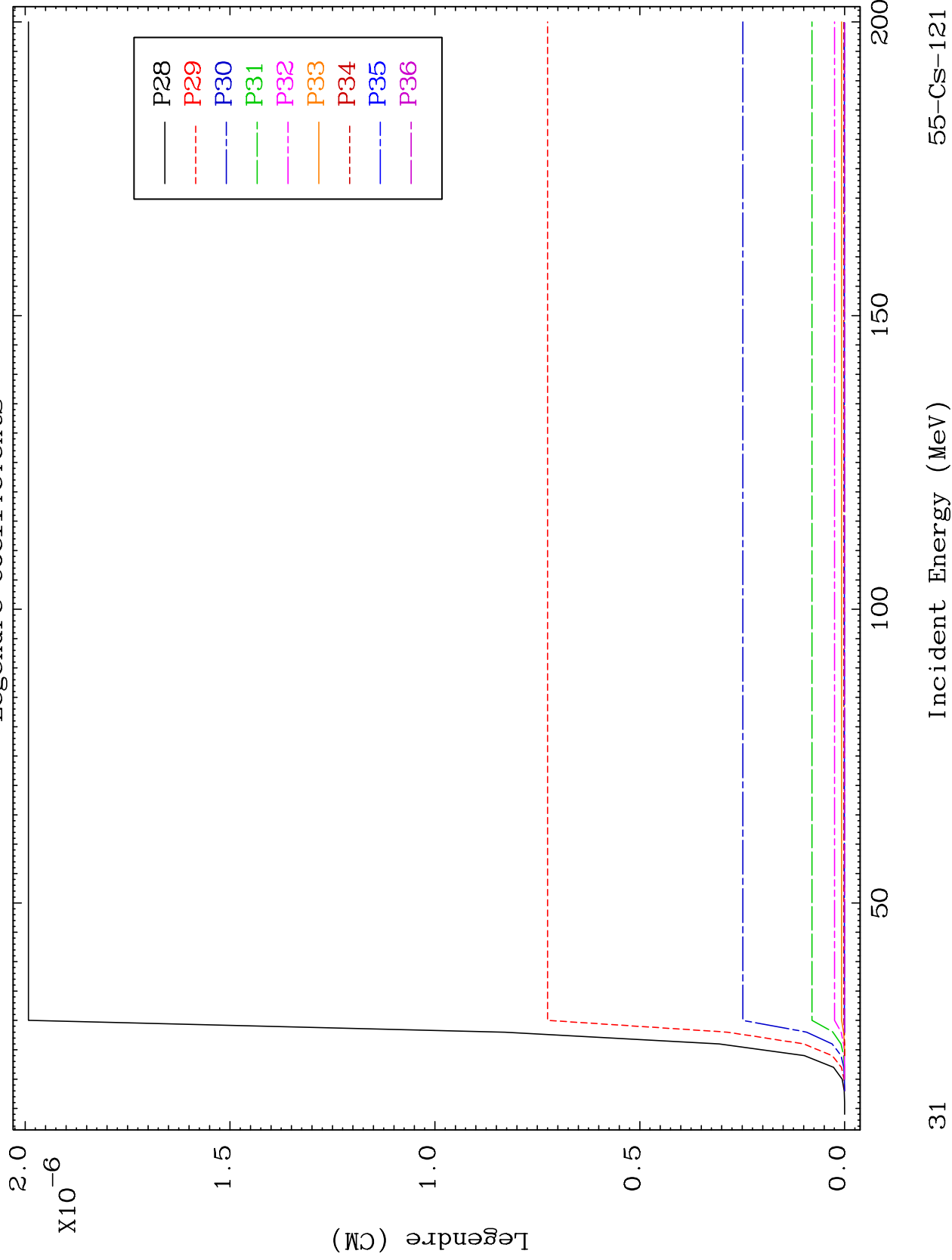
Incident Energy (MeV)

30

MAT 5489

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

55-Cs-121



31

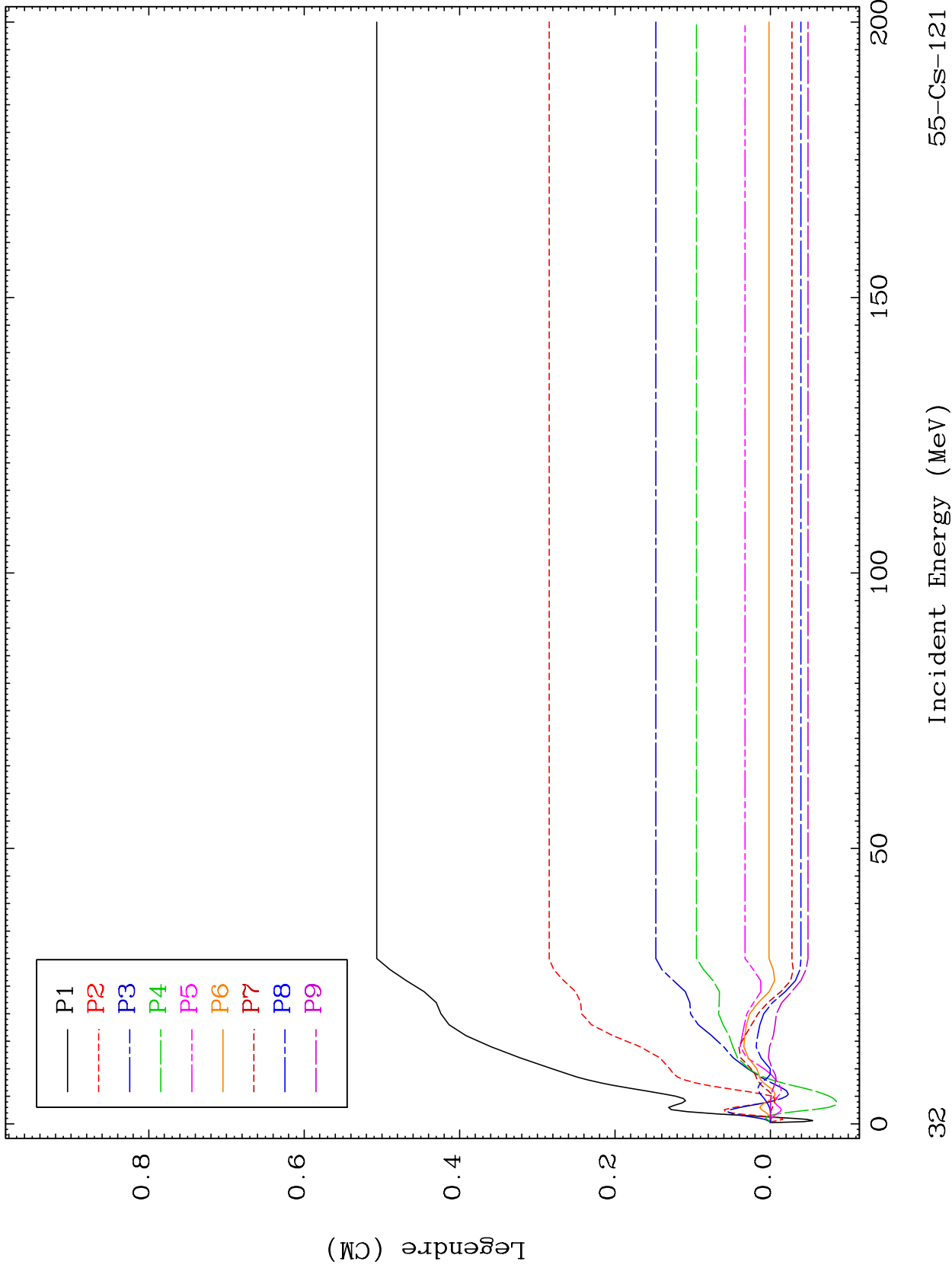
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



32

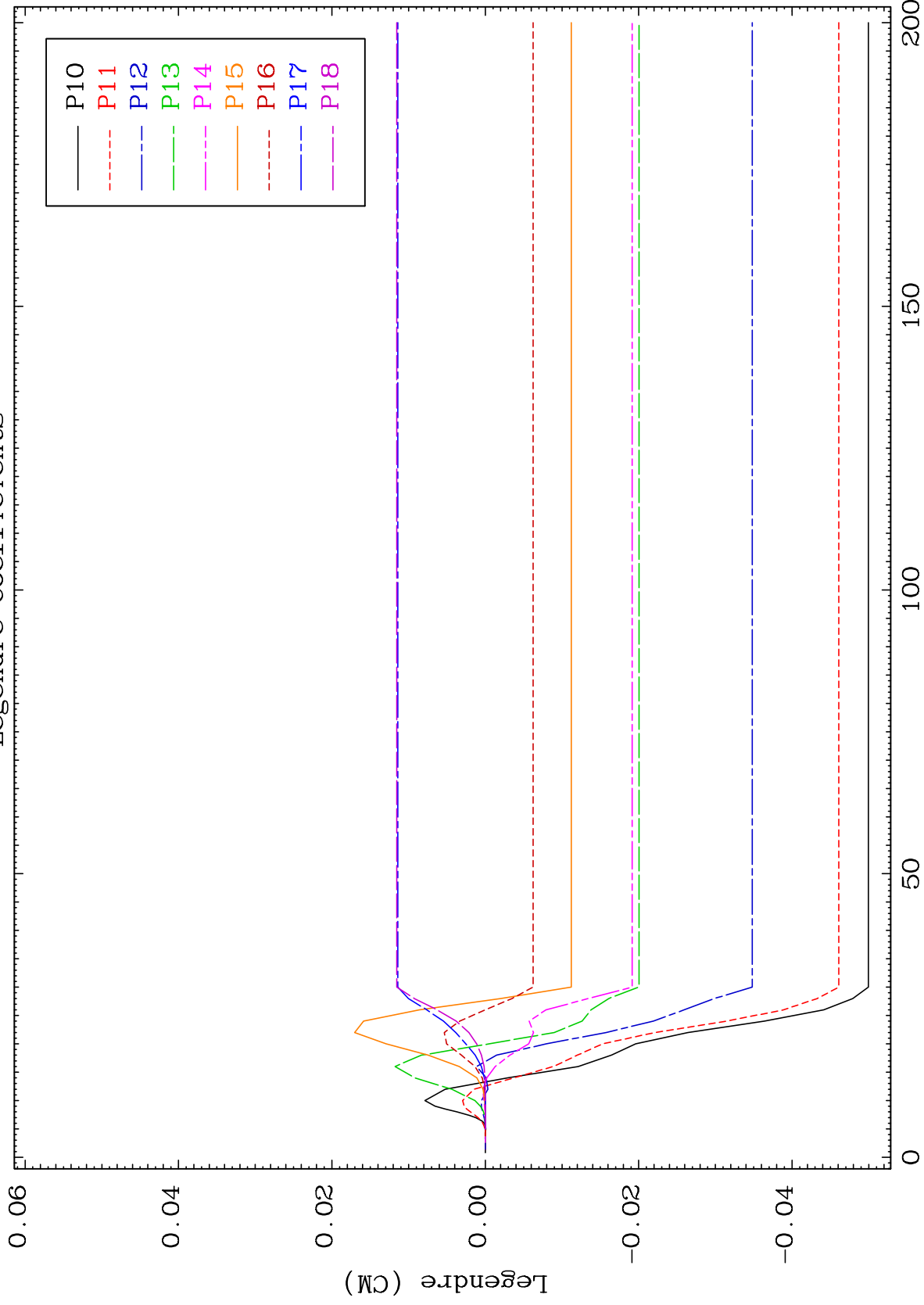
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



33

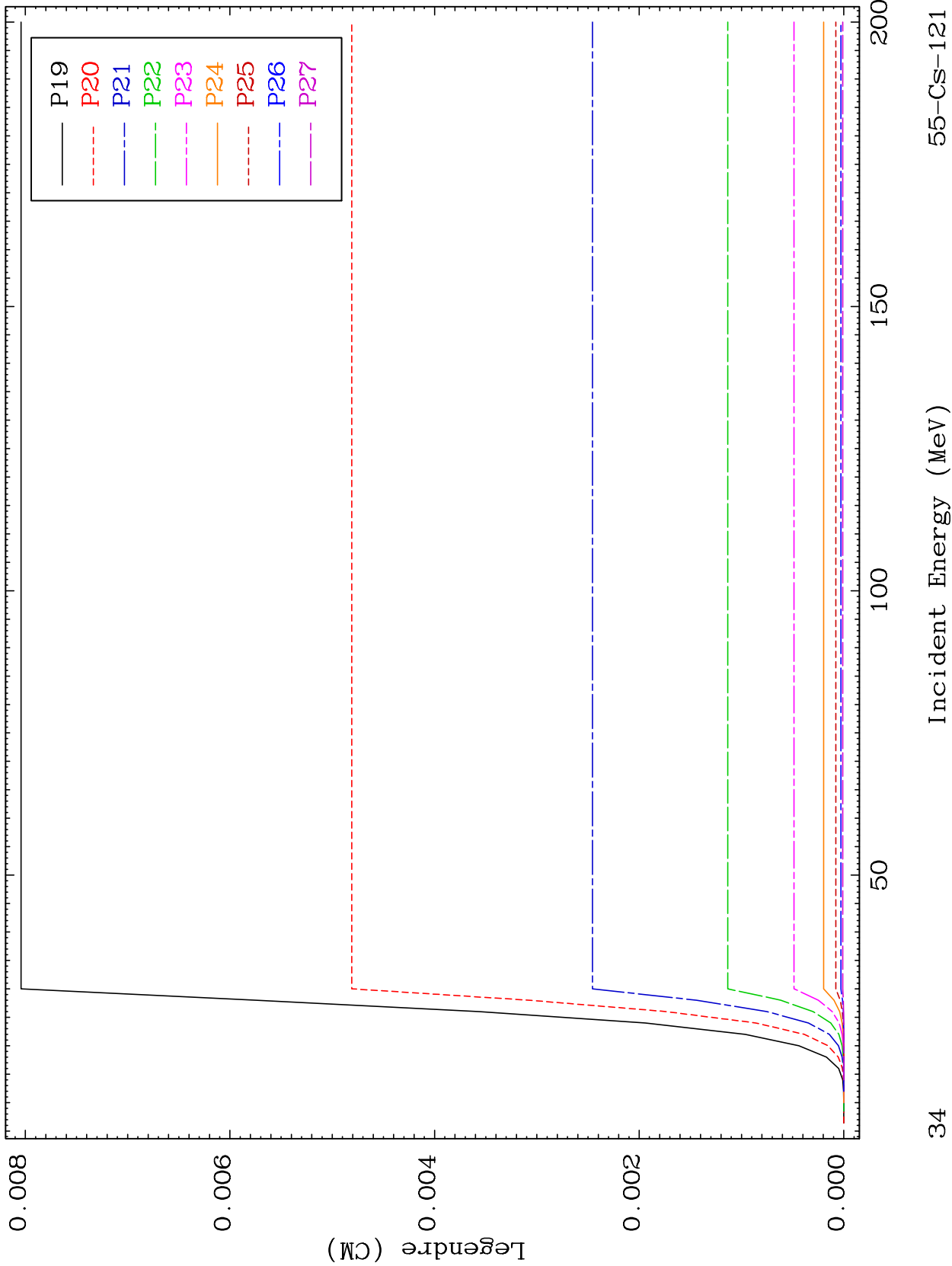
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



34

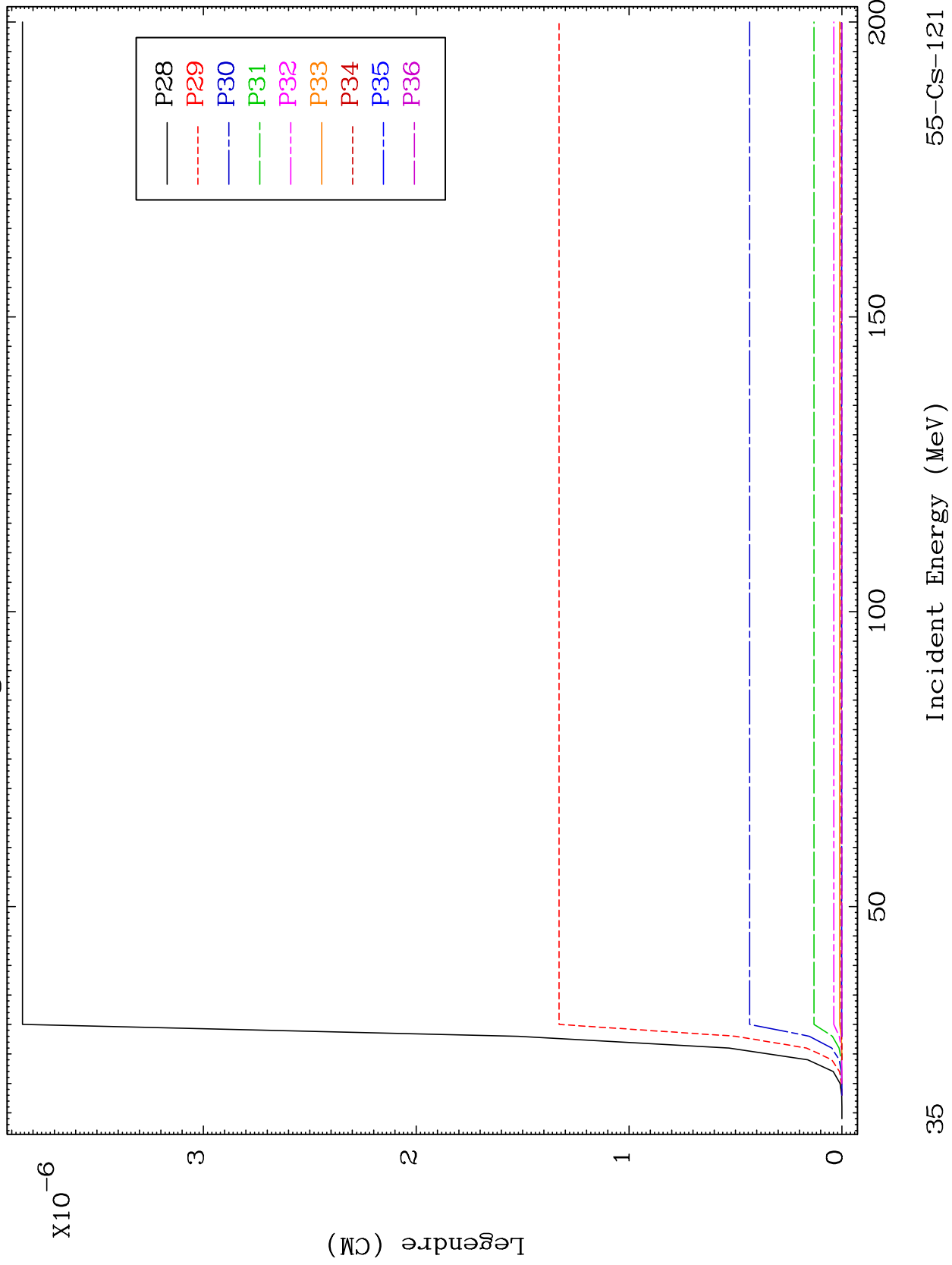
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



35

50

100

150

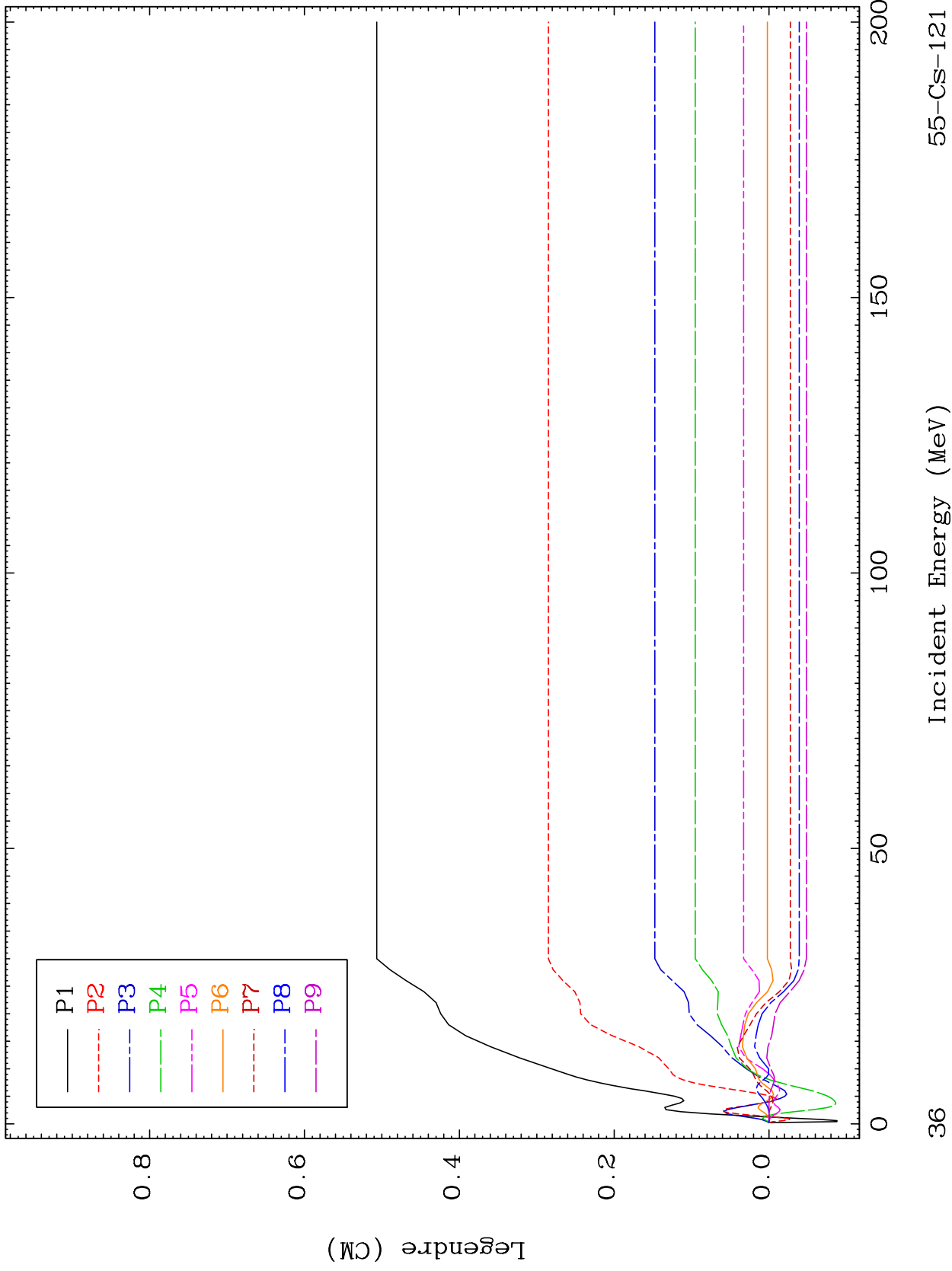
200

55-Cs-121

MAT 5489

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

55-Cs-121



36

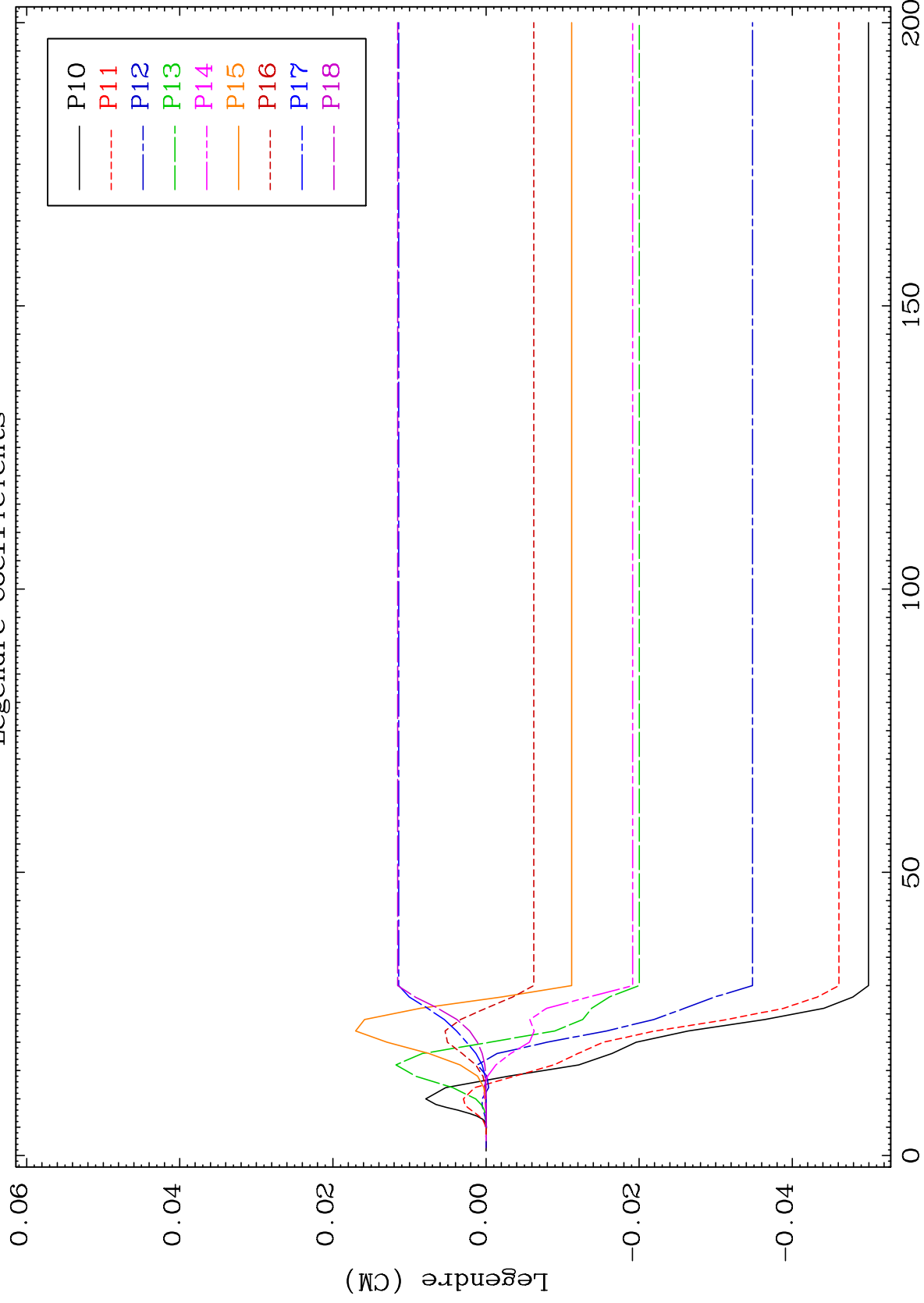
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



37

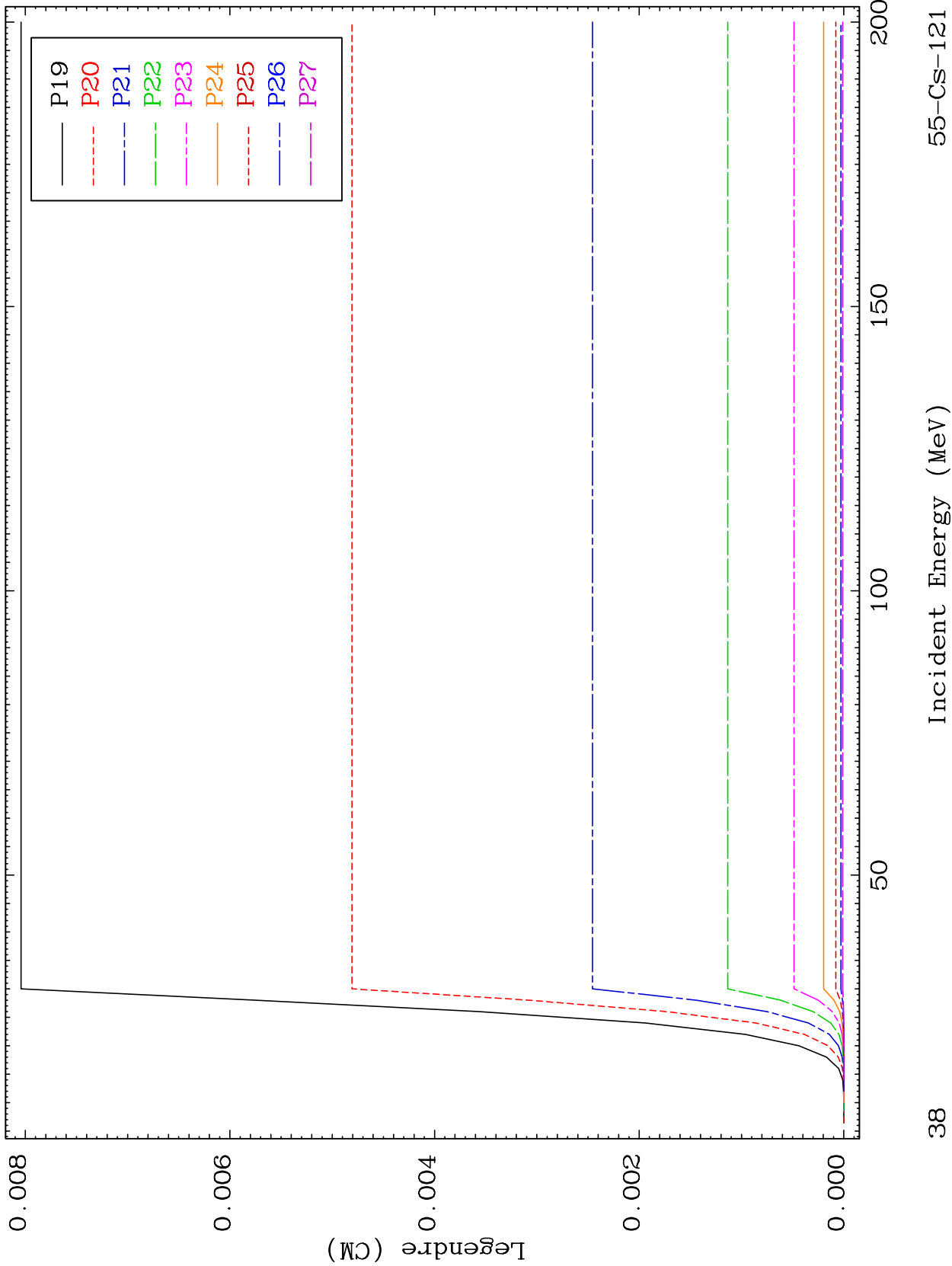
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



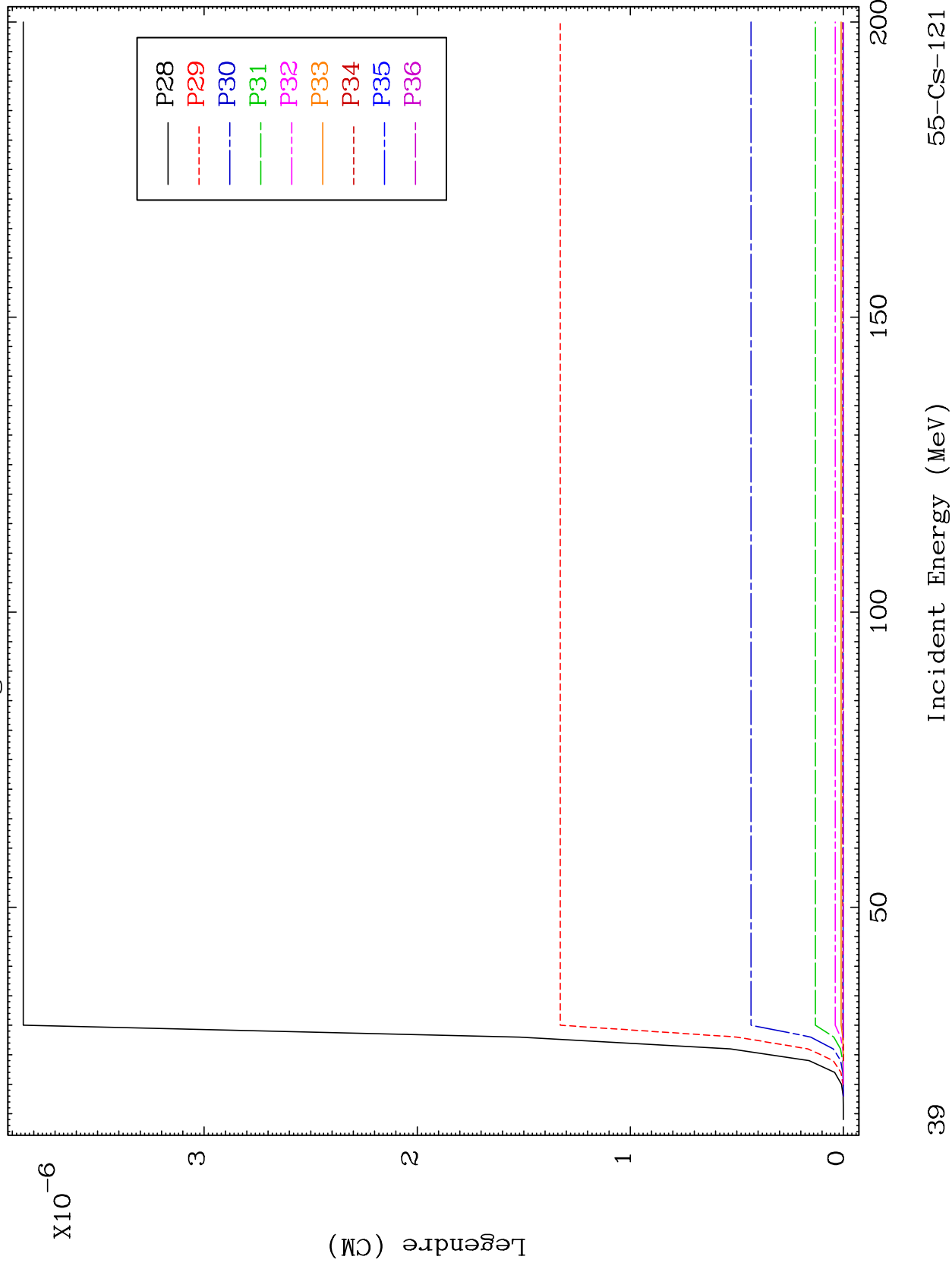
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55-Cs-121

MAT 5489

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

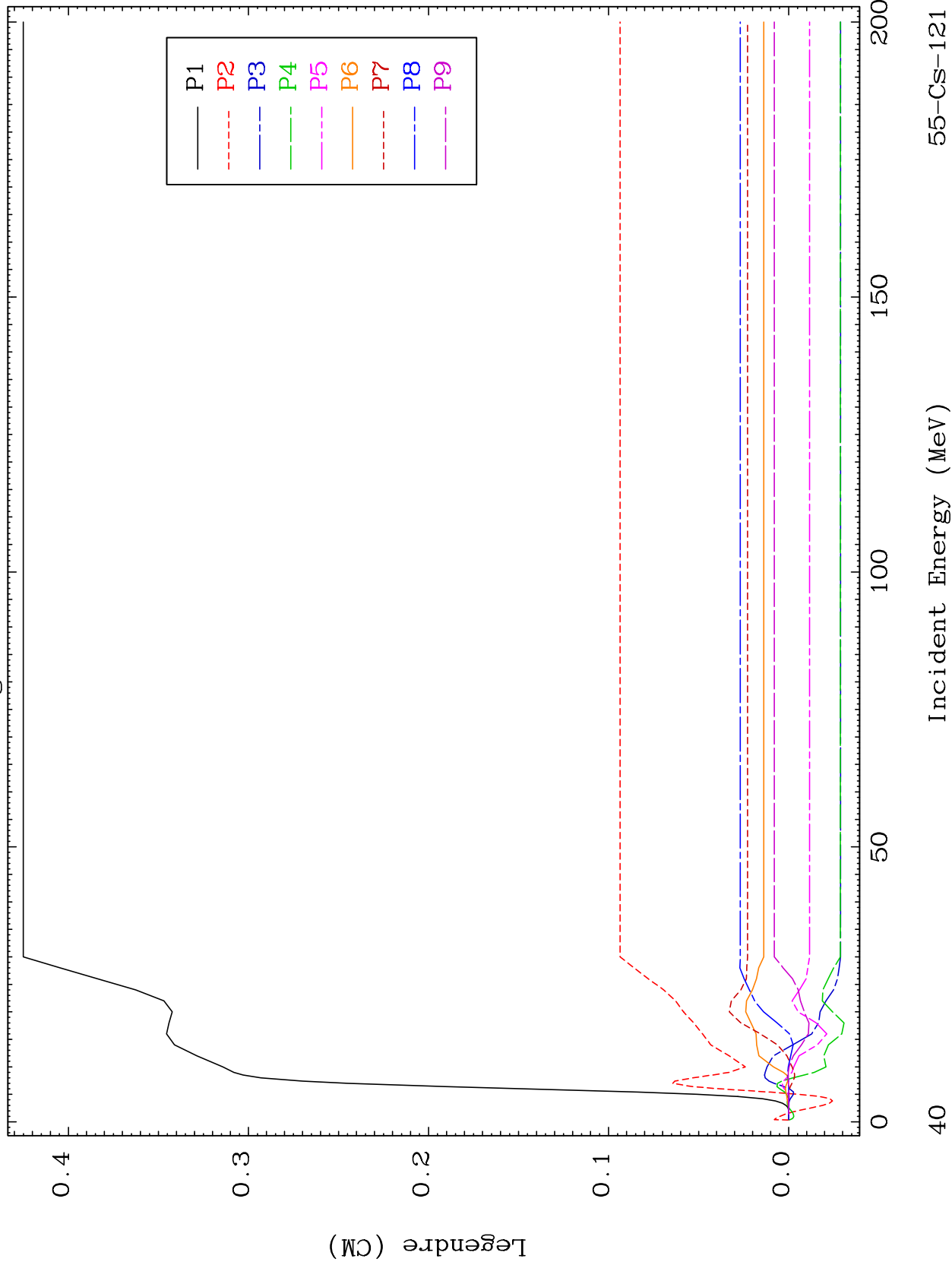
55-Cs-121



MAT 5489

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

55-Cs-121



55-Cs-121

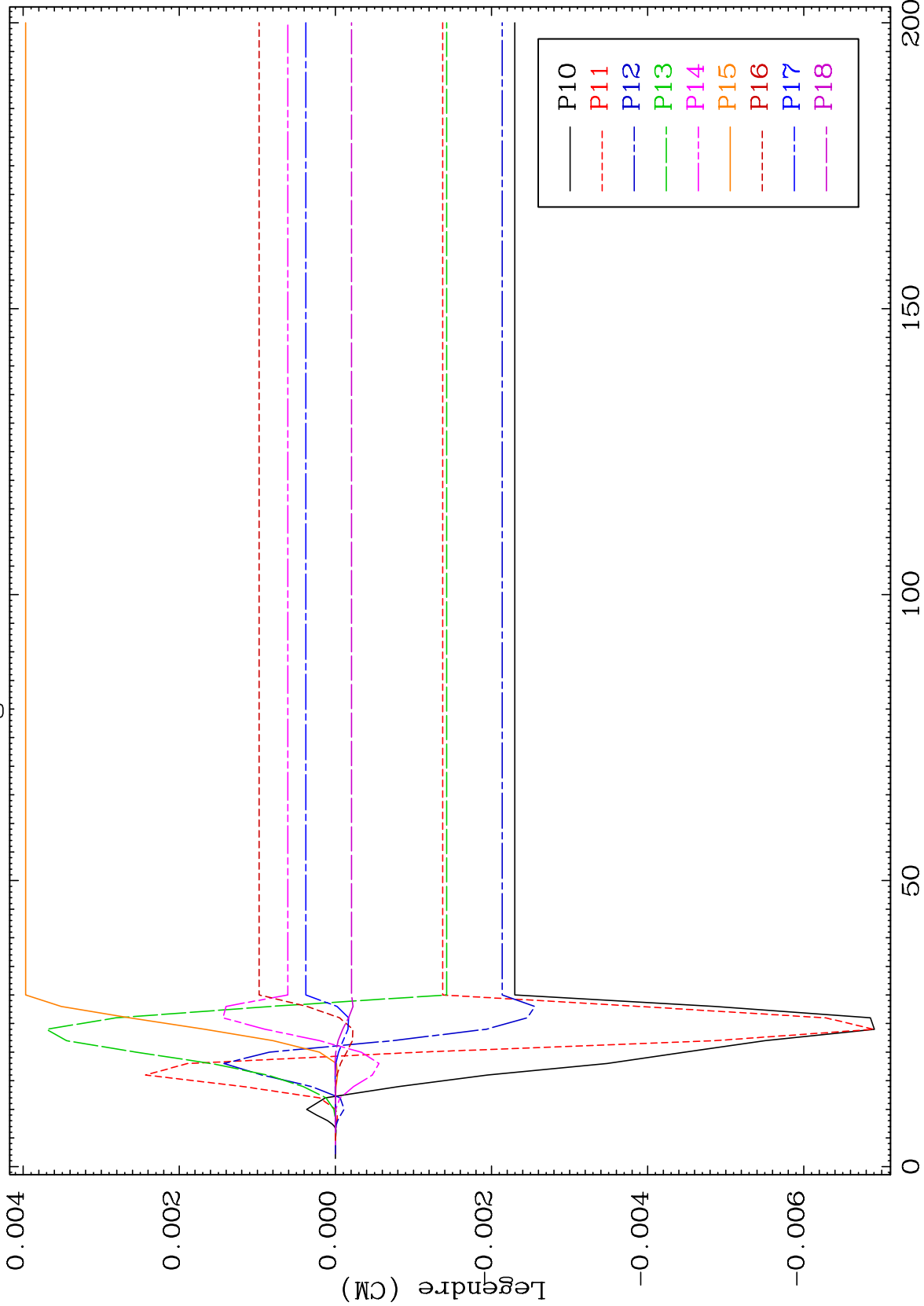
Incident Energy (MeV)

40

MAT 5489

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

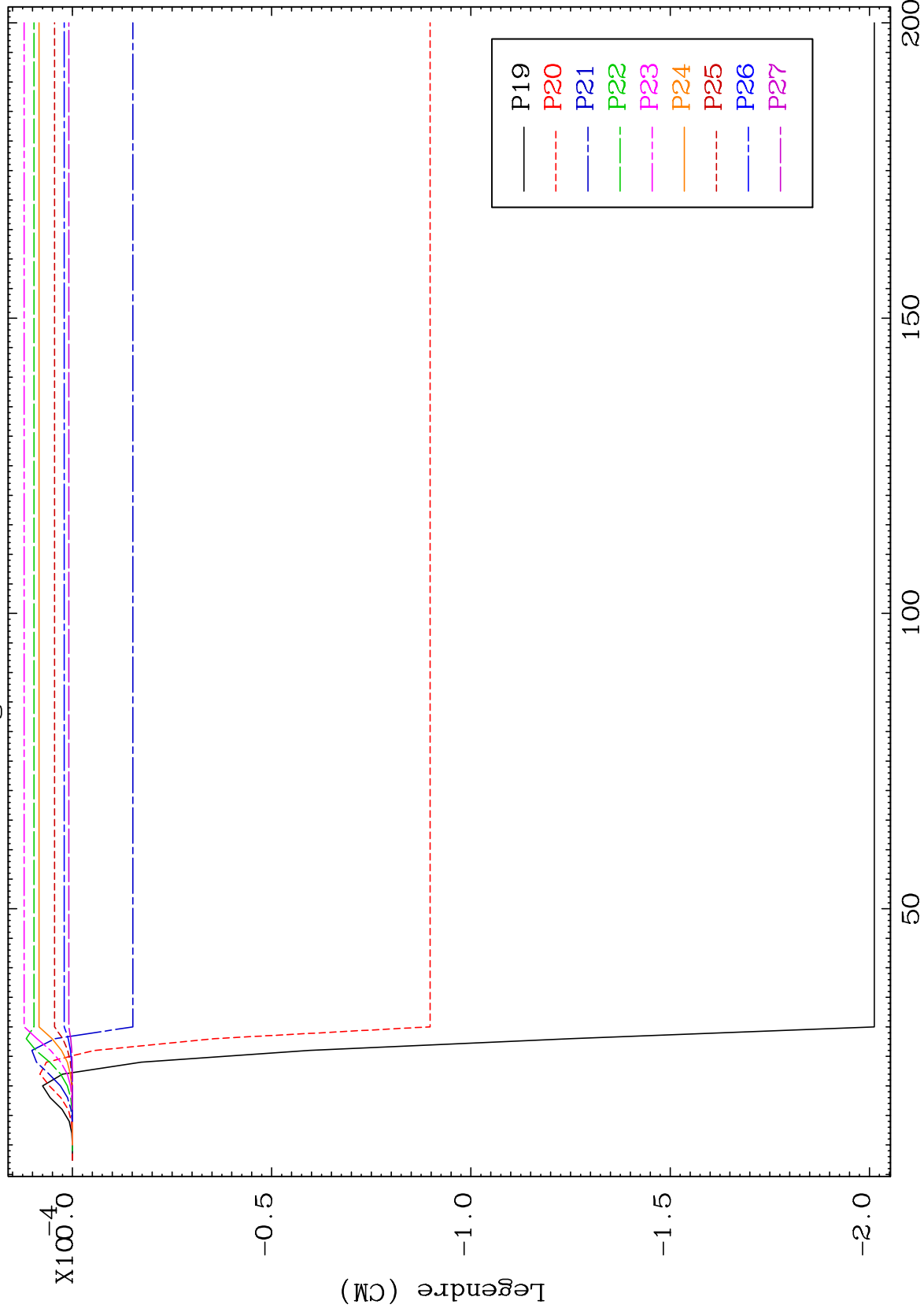
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MAT 5489

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

55-Cs-121



42

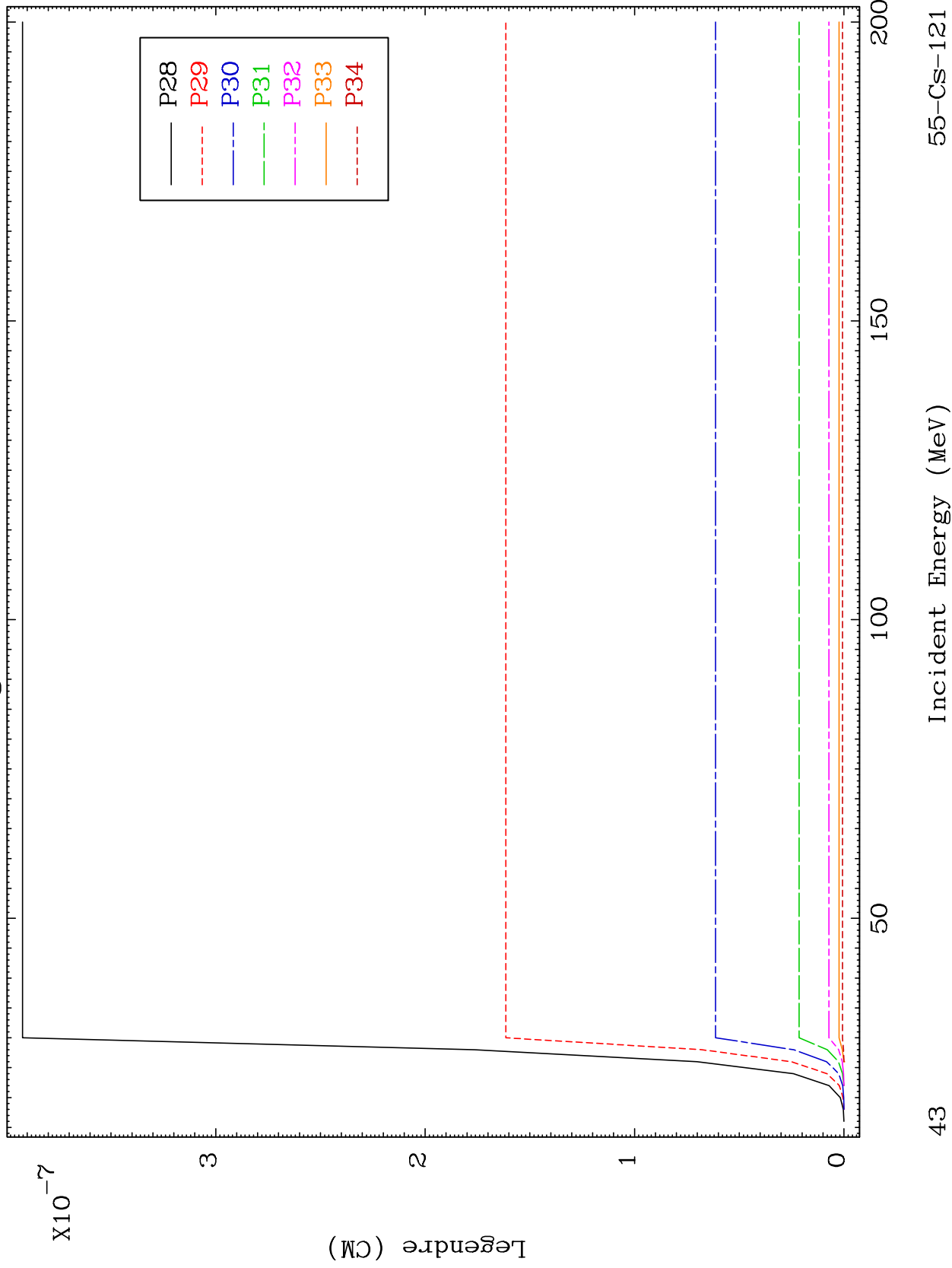
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



43

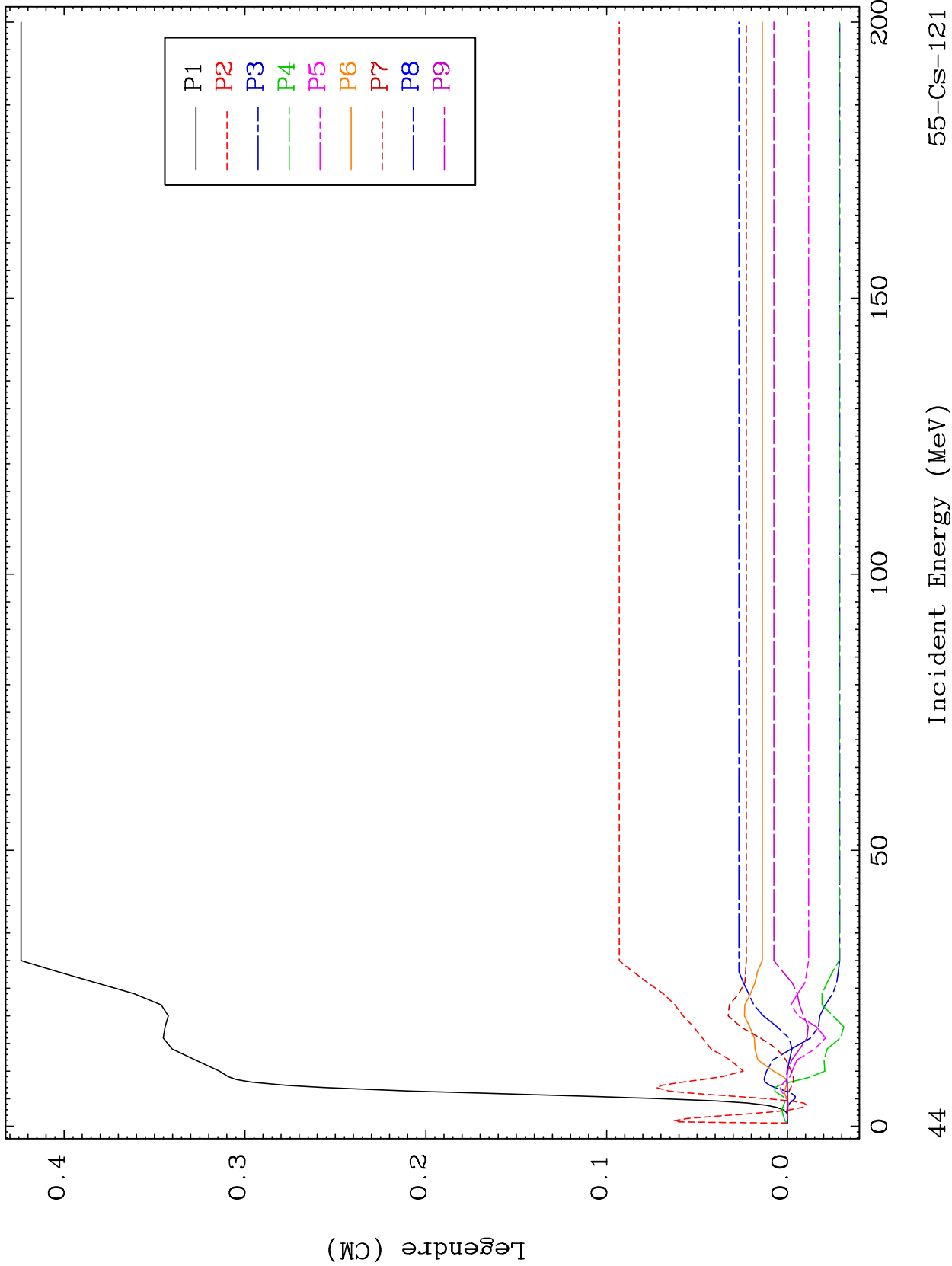
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



44

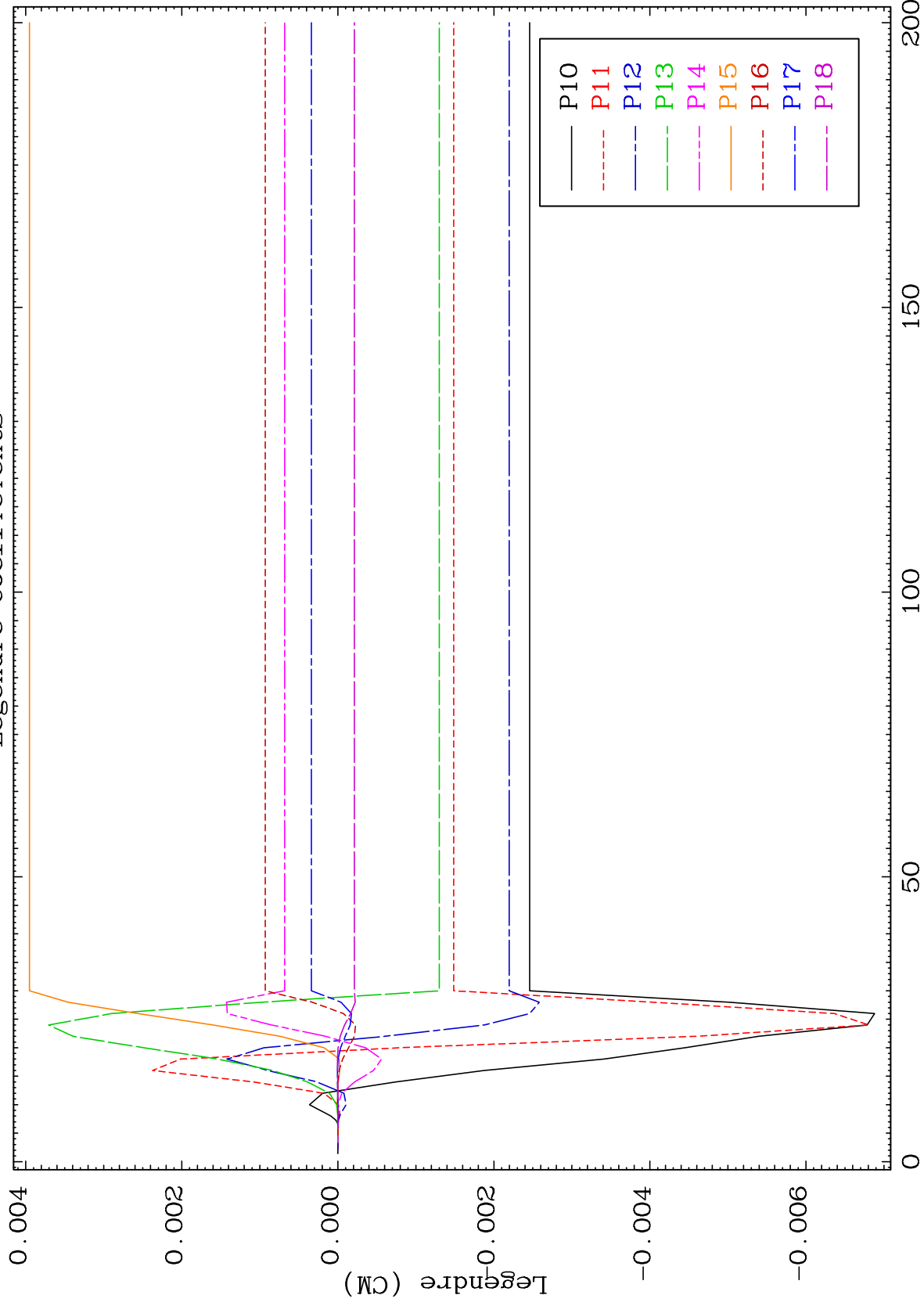
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



45

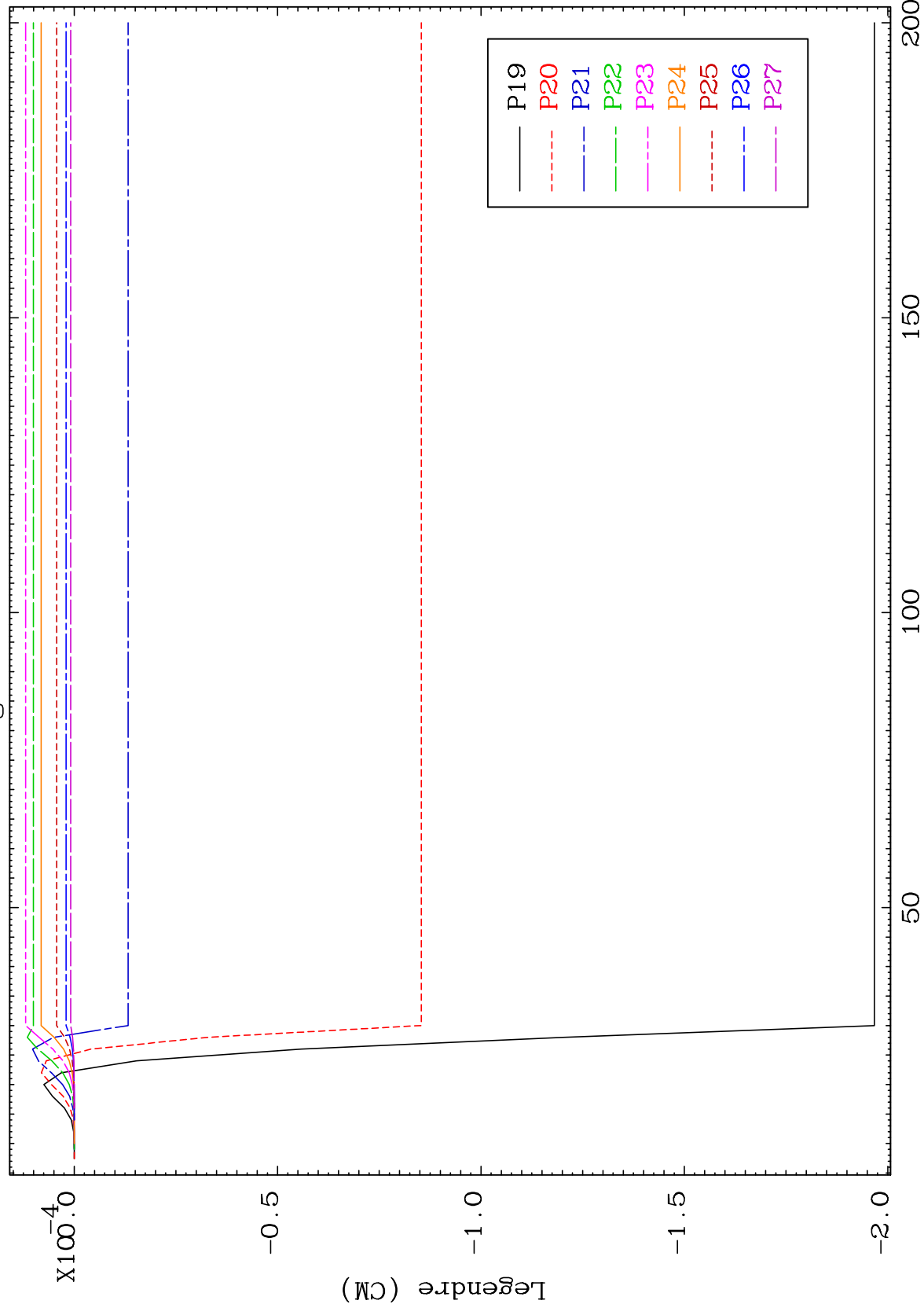
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

55-Cs-121



46

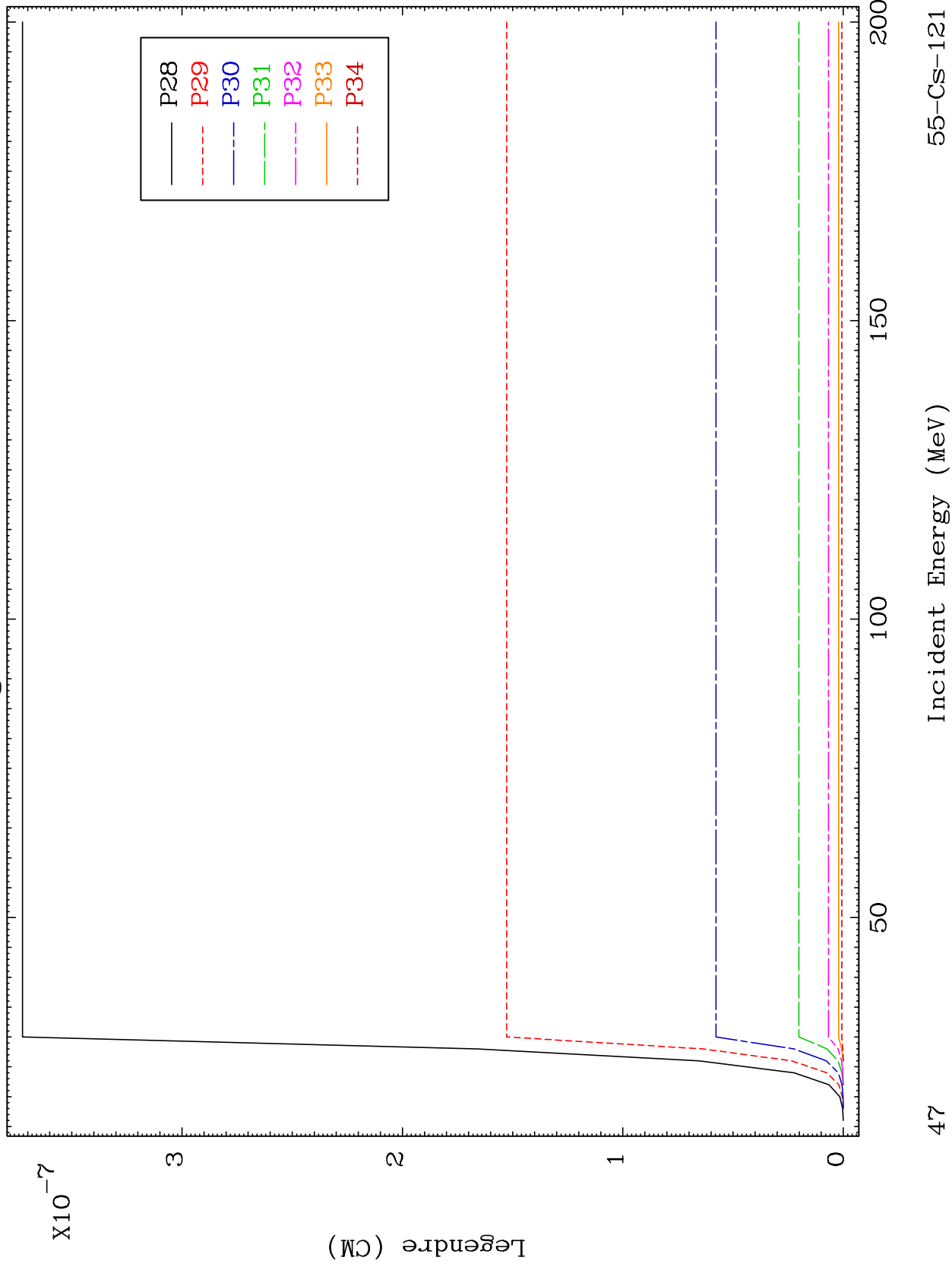
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

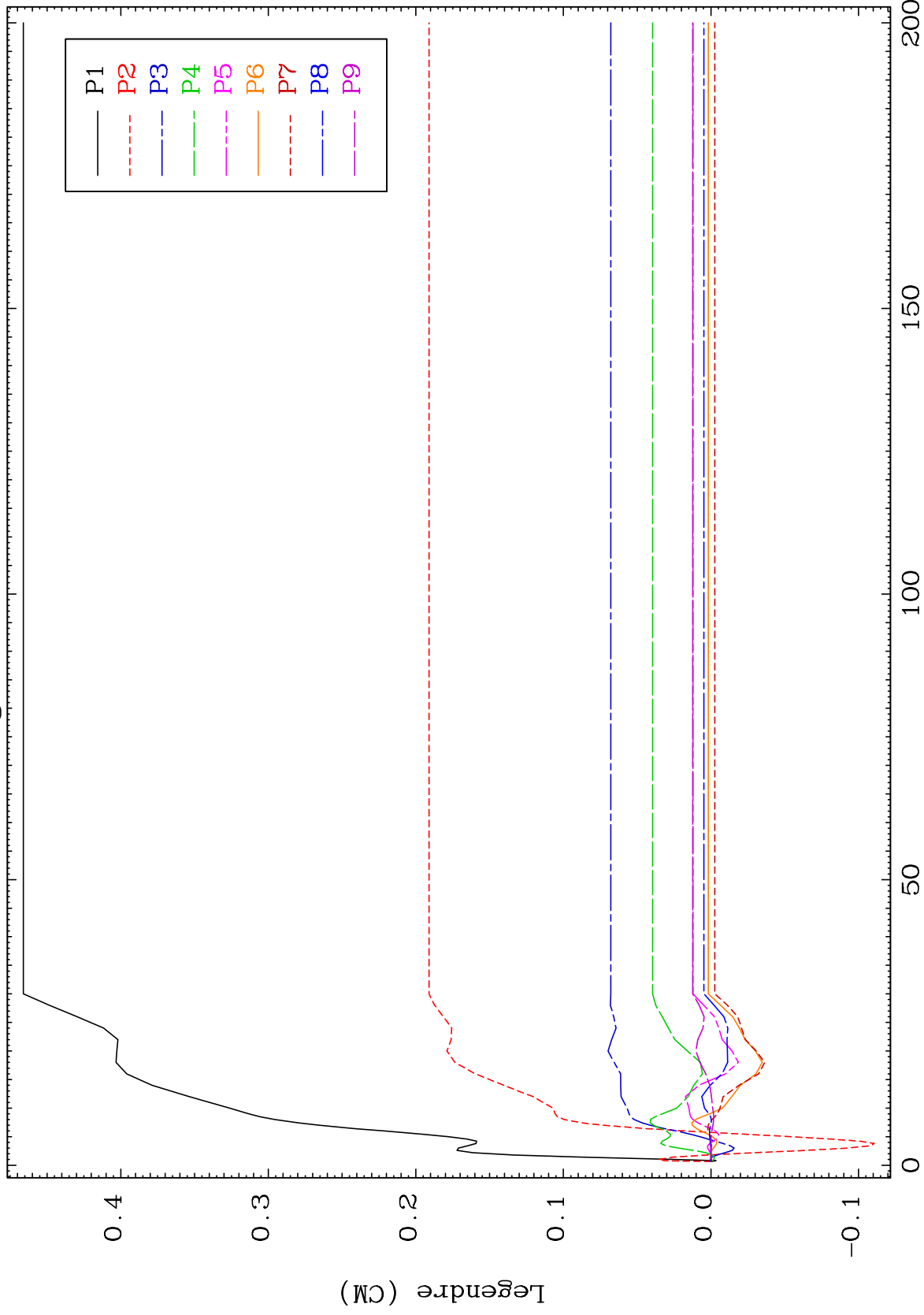
55-Cs-121



MAT 5489

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

55-Cs-121



55-Cs-121

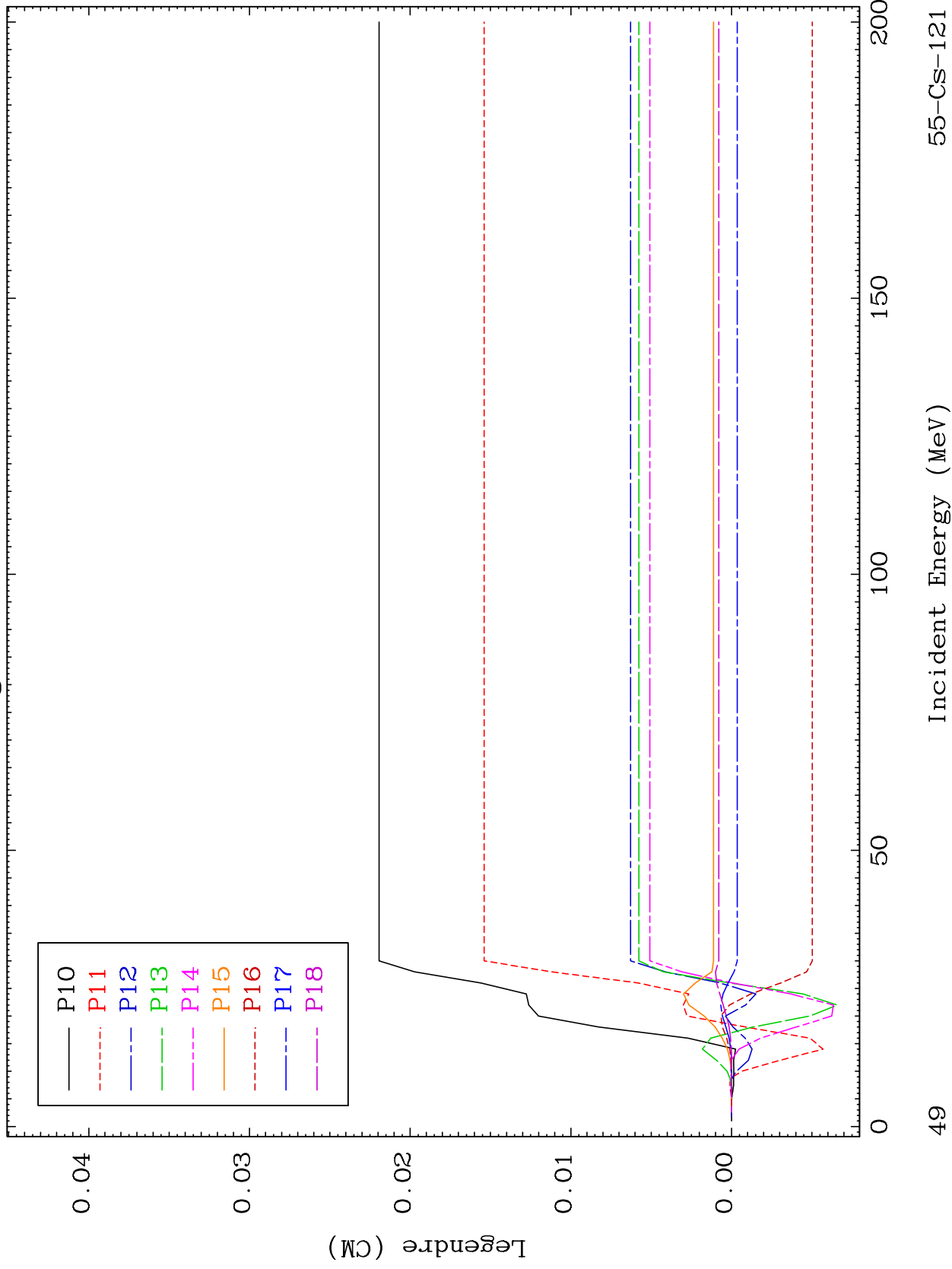
Incident Energy (MeV)

48

MAT 5489

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

55-Cs-121



49

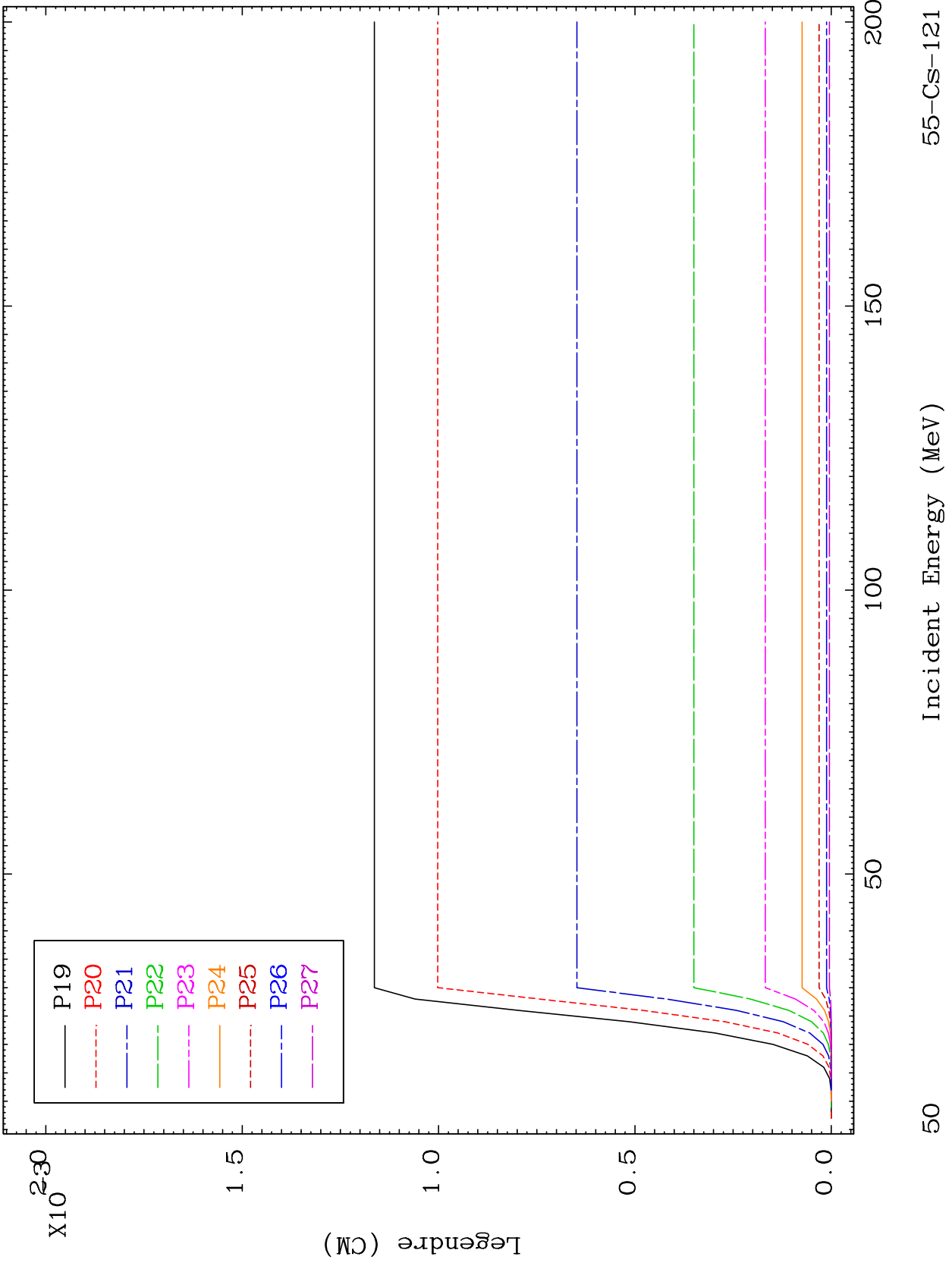
Incident Energy (MeV)

55-Cs-121

MAT 5489

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

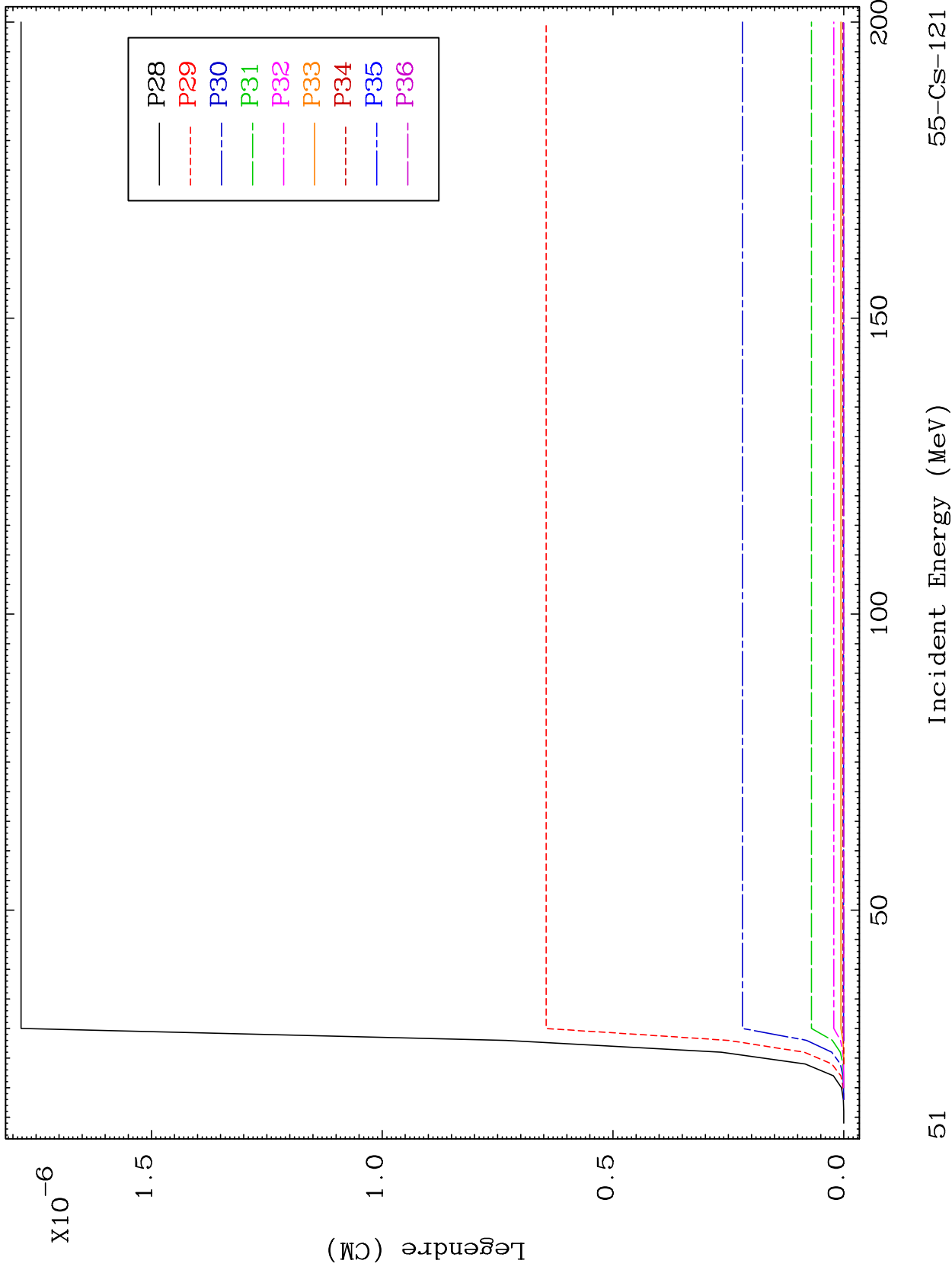
55-Cs-121



MAT 5489

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

55-Cs-121



51

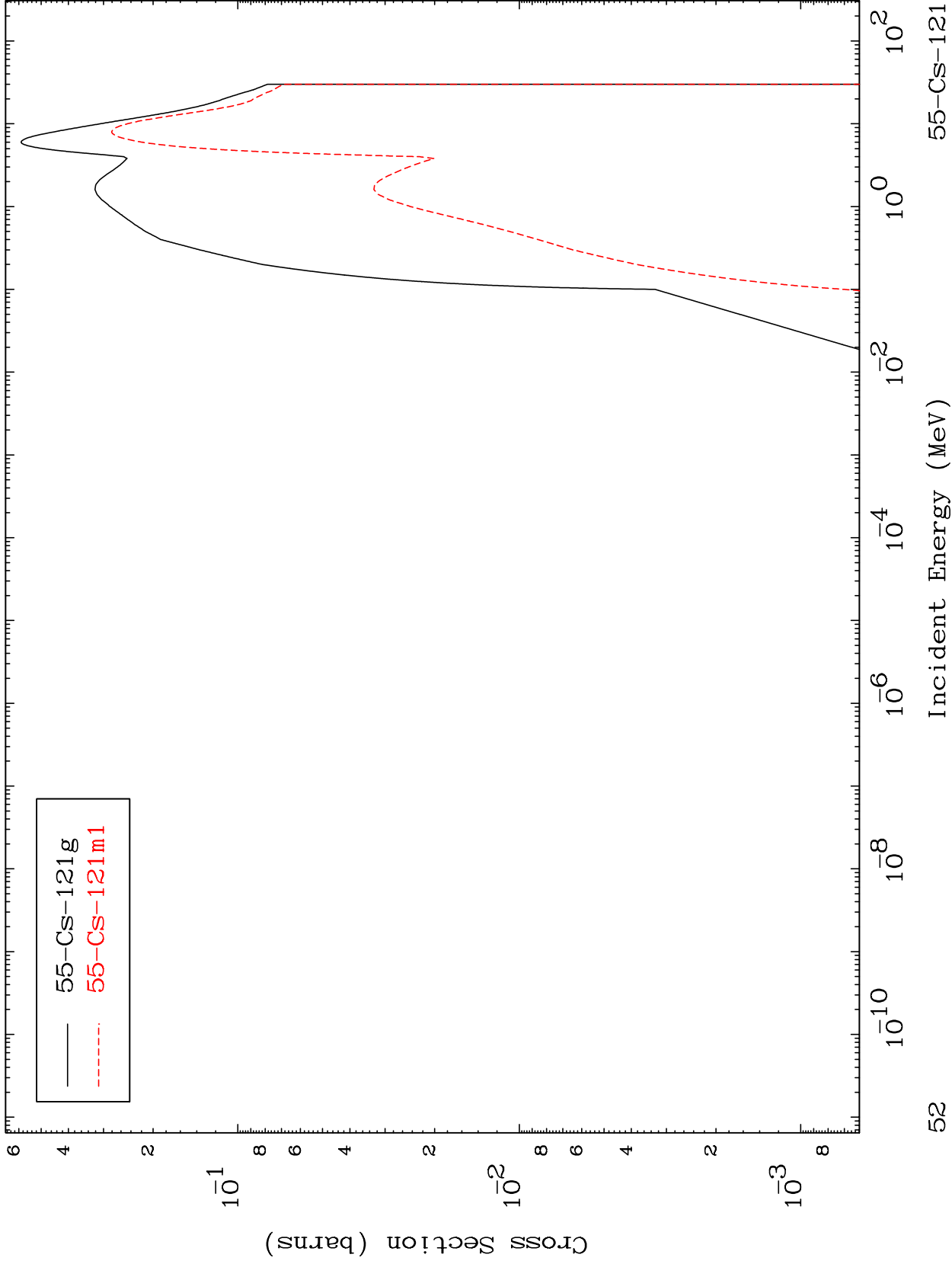
Incident Energy (MeV)

55-Cs-121

MAT 5489

Inelastic
Radionuclide Production Cross Section

55-Cs-121

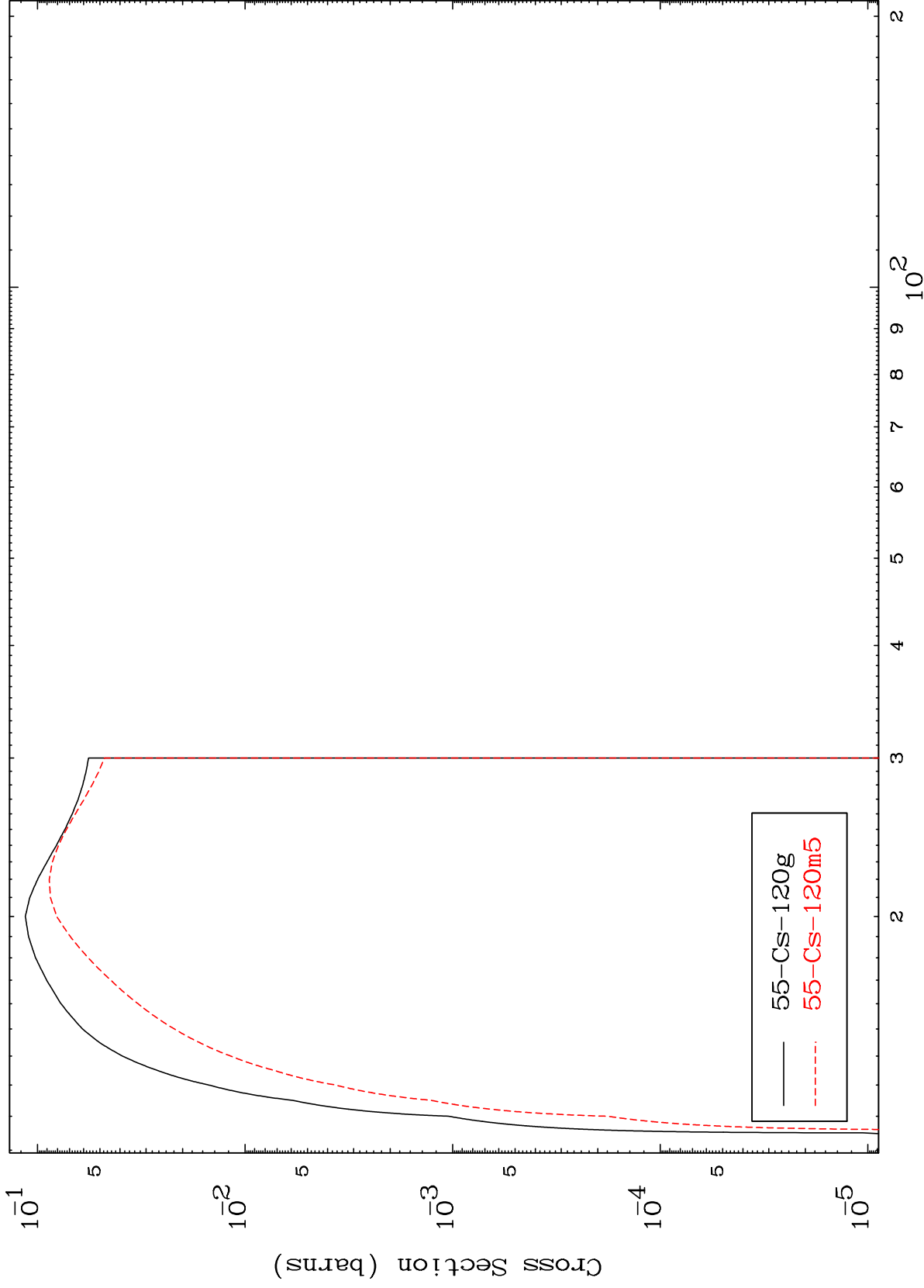


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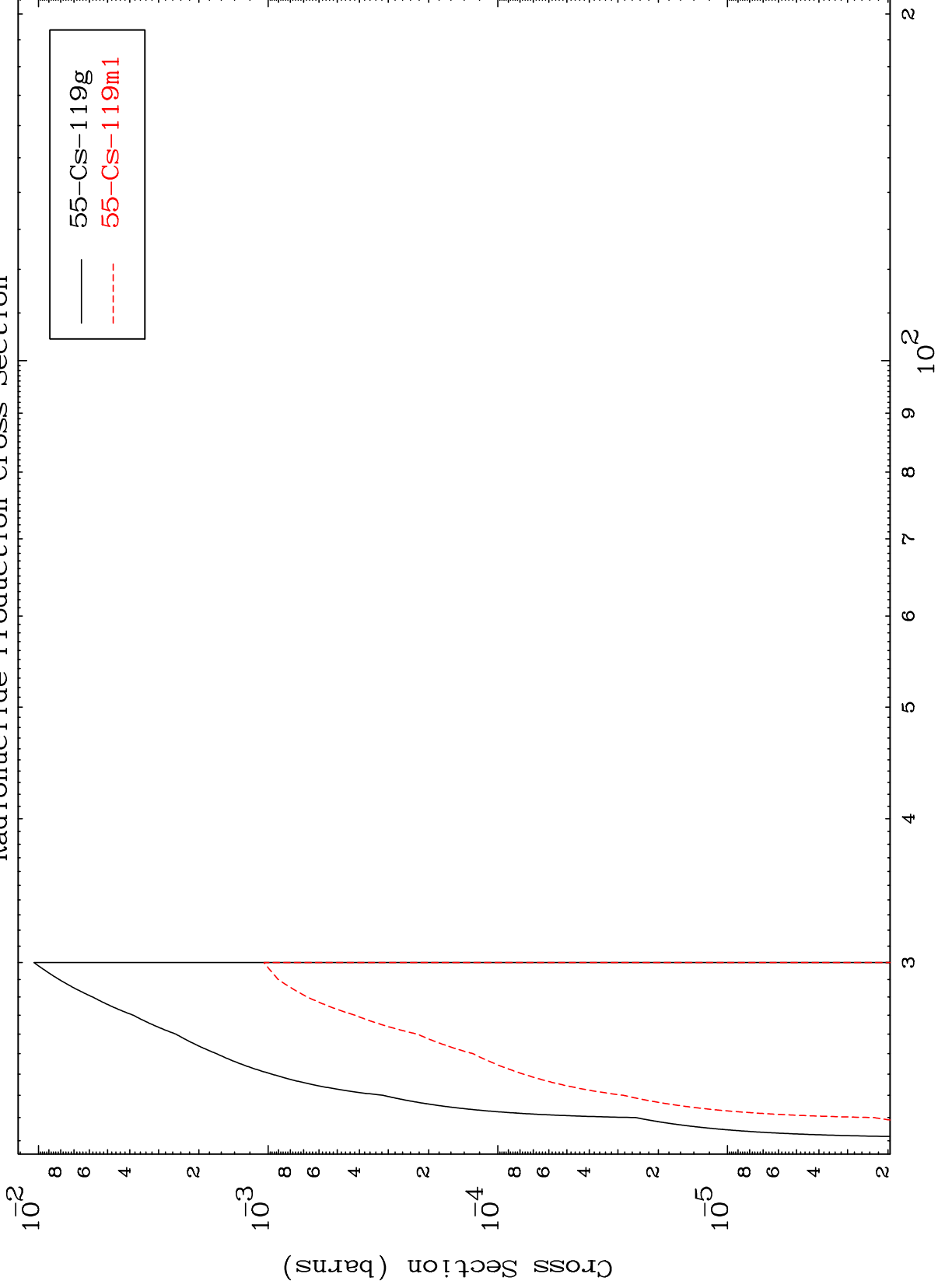
Incident Energy (MeV)

55-Cs-121

(n,2n)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

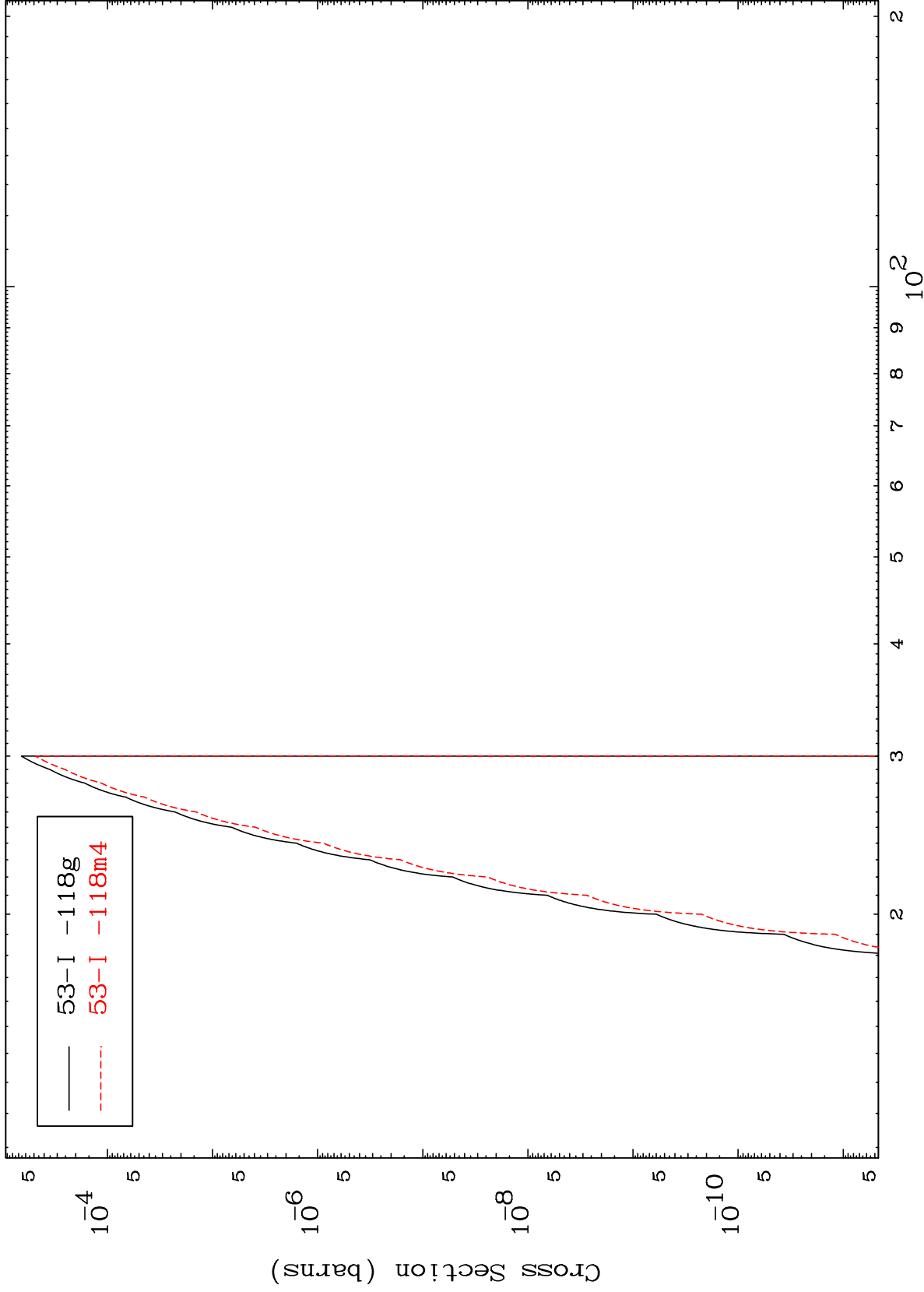


MAT 5489

(n,n') He-3

55-Cs-121

Radionuclide Production Cross Section

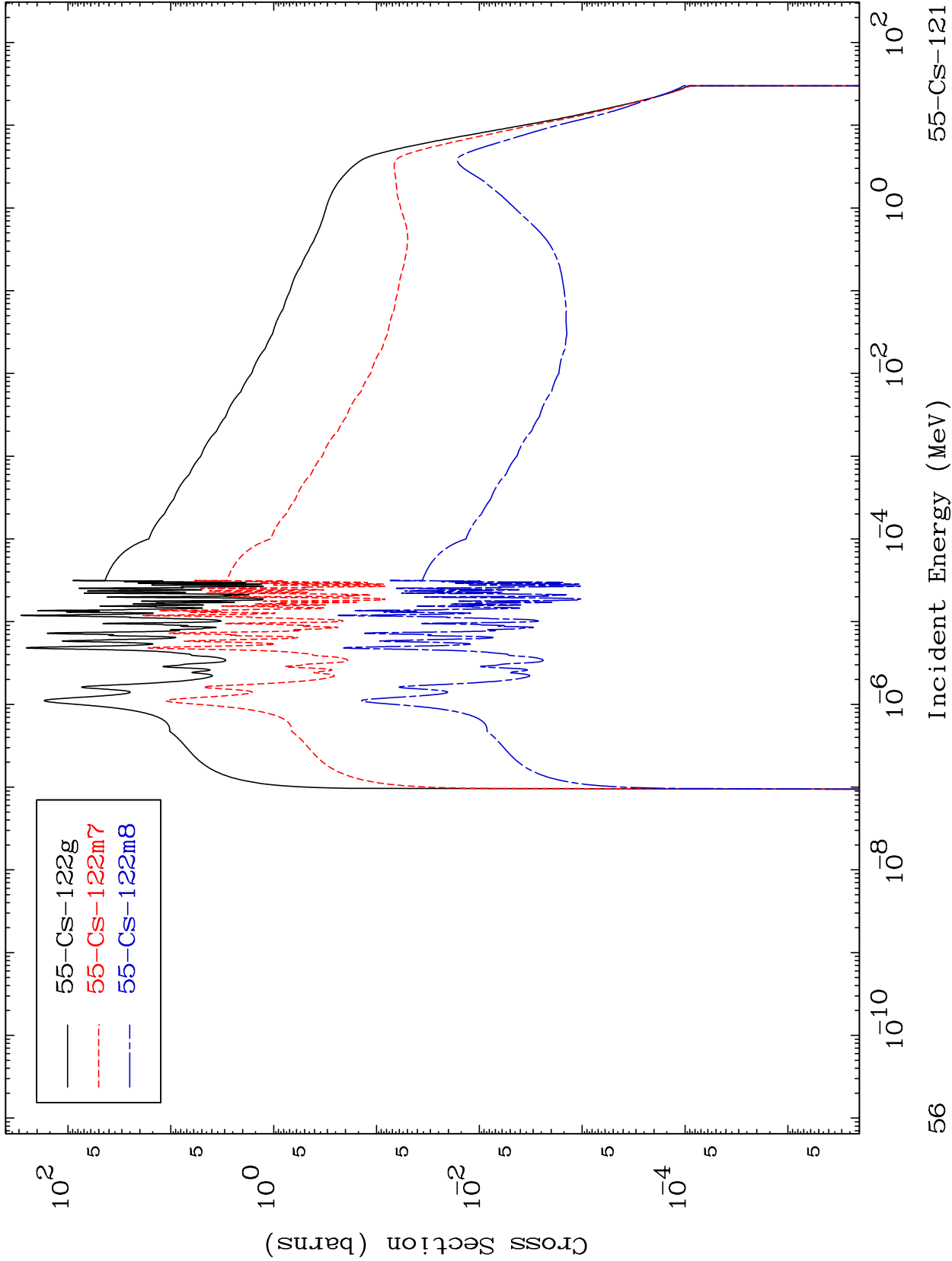


55

Incident Energy (MeV)

55-Cs-121

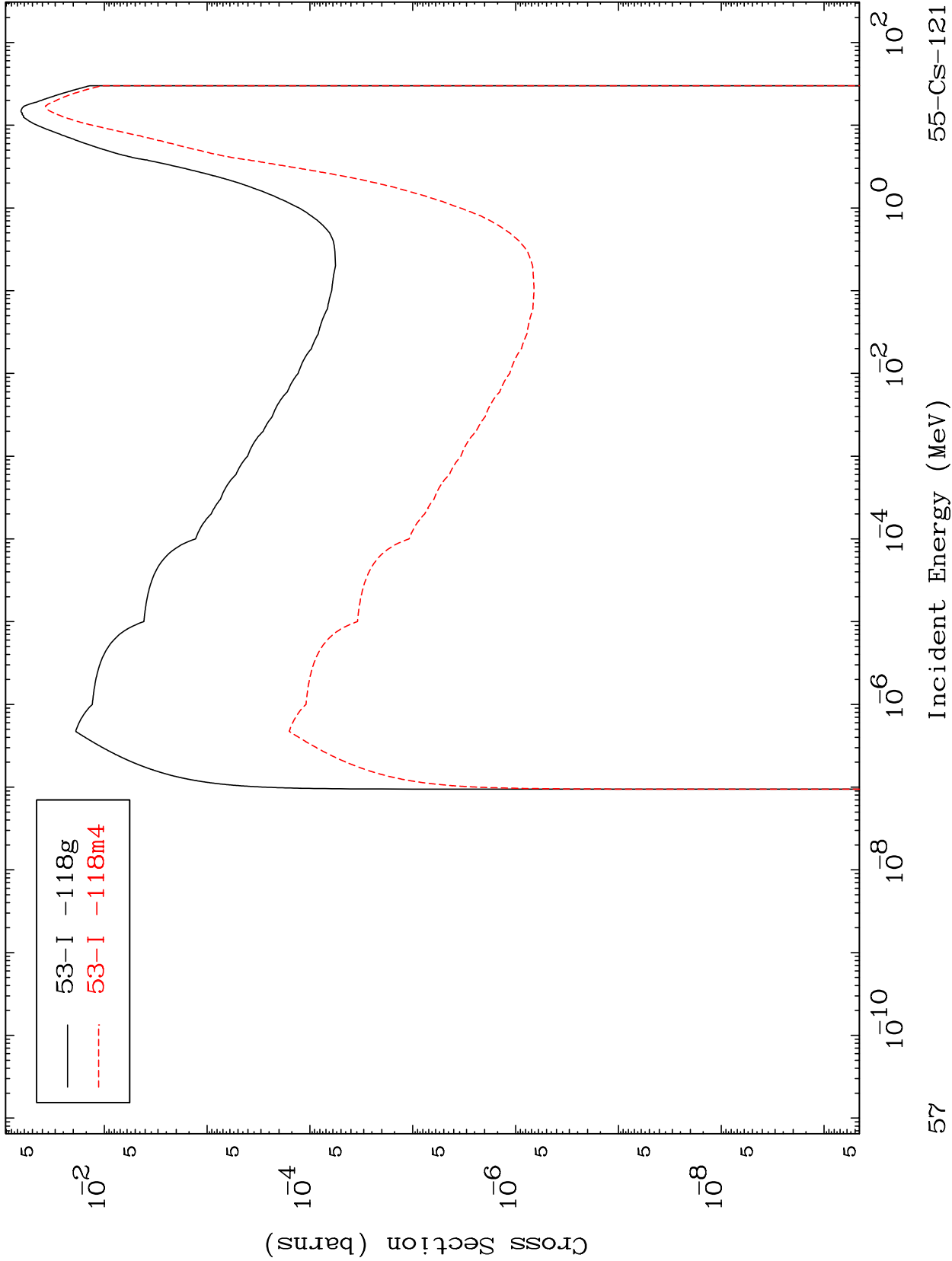
Radionuclide Production Cross Section
(n, γ)



MAT 5489

55-Cs-121

(n, α)
Radionuclide Production Cross Section

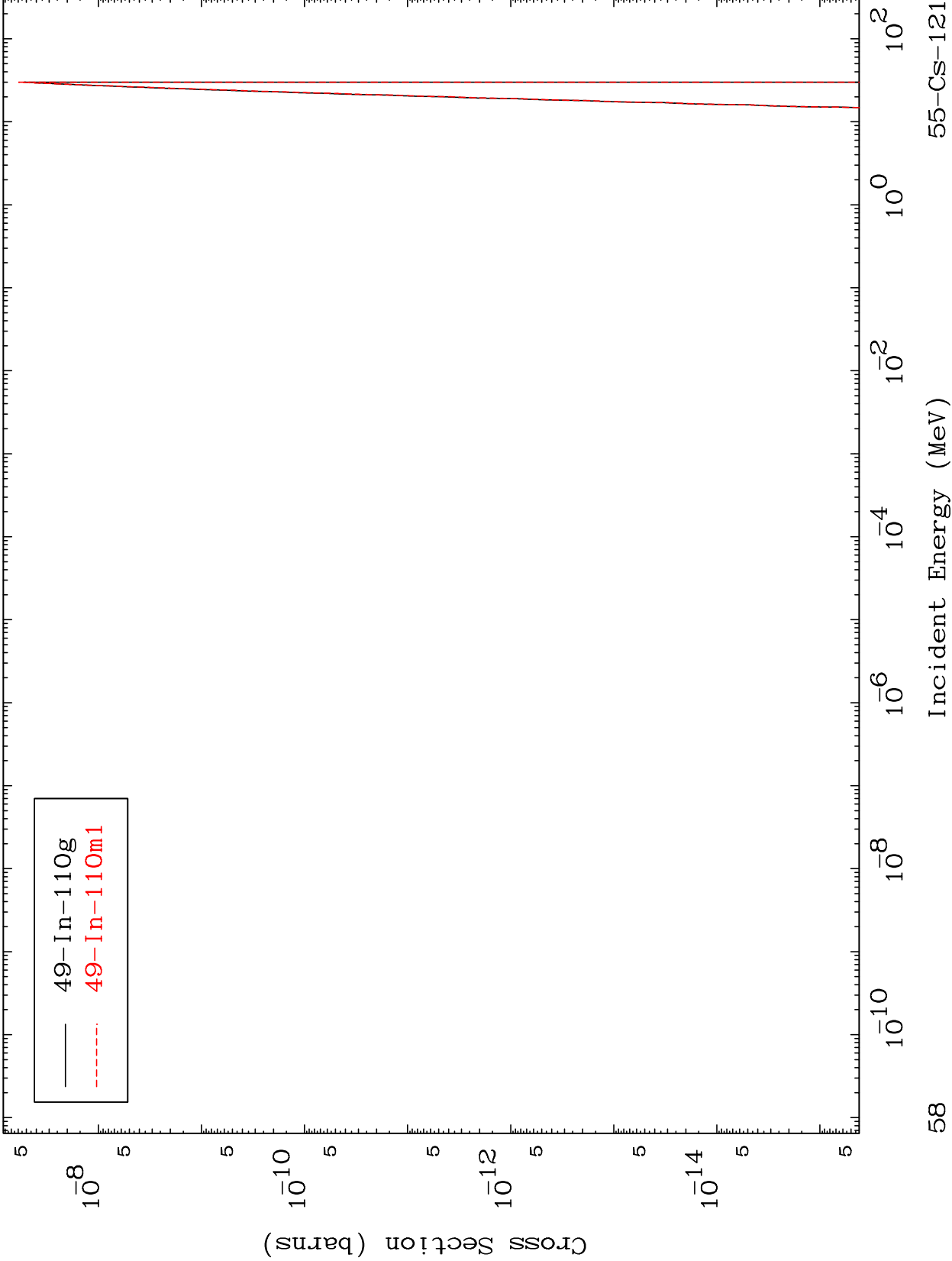


MAT 5489

(n,3 α)

55-Cs-121

Radionuclide Production Cross Section



58

Incident Energy (MeV)

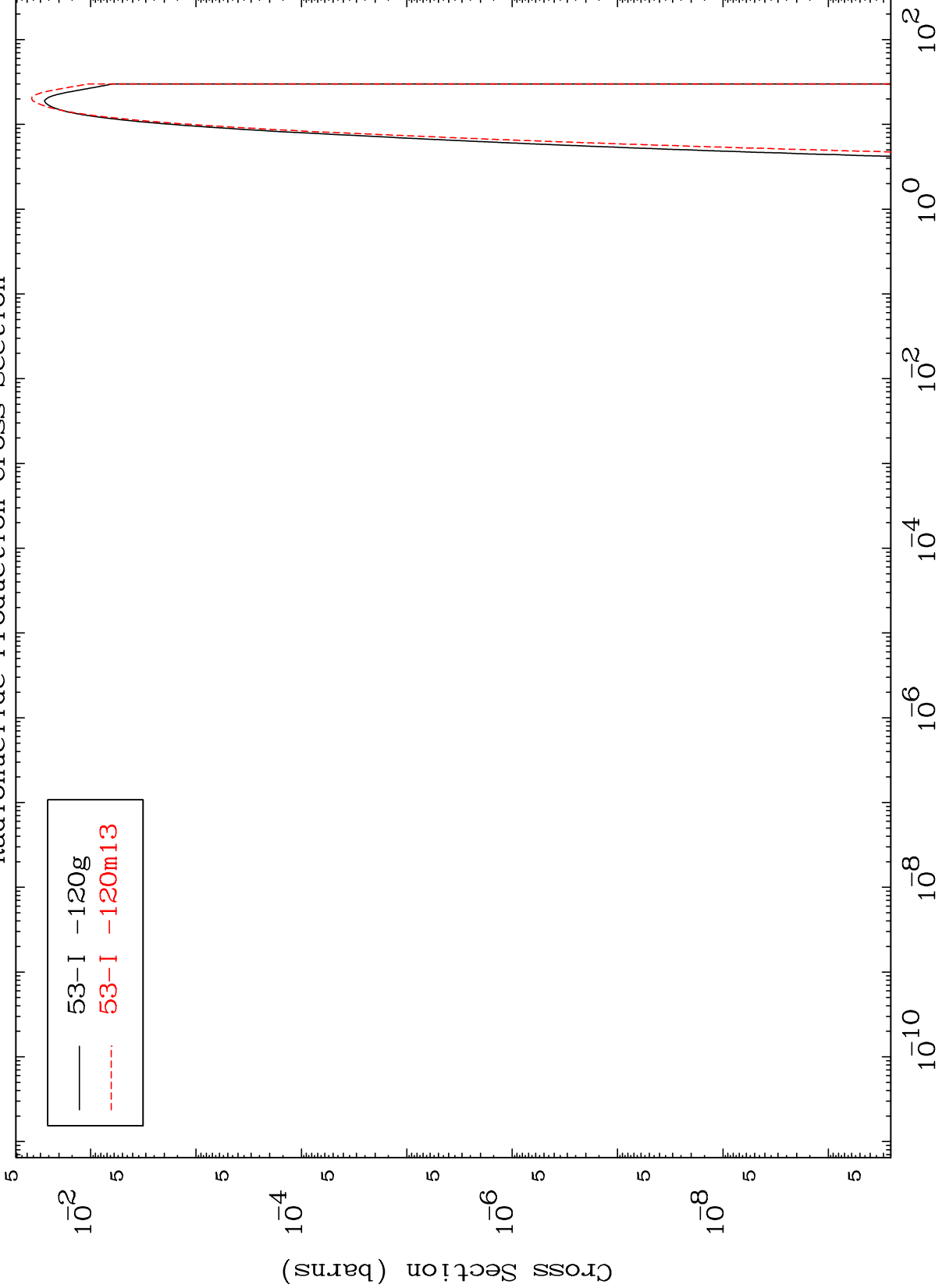
55-Cs-121

MAT 5489

(n,2p)

55-Cs-121

Radionuclide Production Cross Section



59

Incident Energy (MeV)

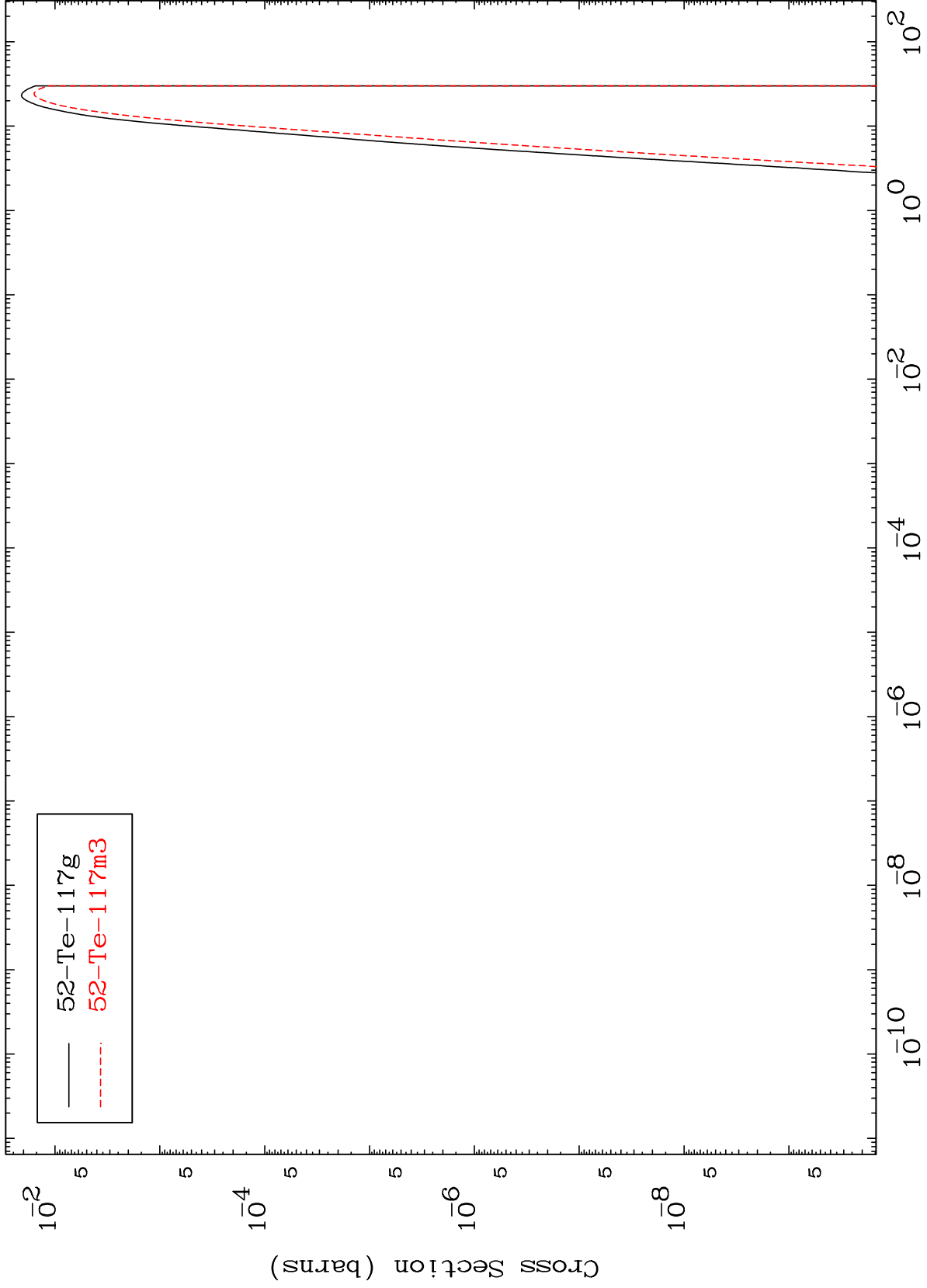
55-Cs-121

MAT 5489

(n,p) α

55-Cs-121

Radionuclide Production Cross Section



60

Incident Energy (MeV)

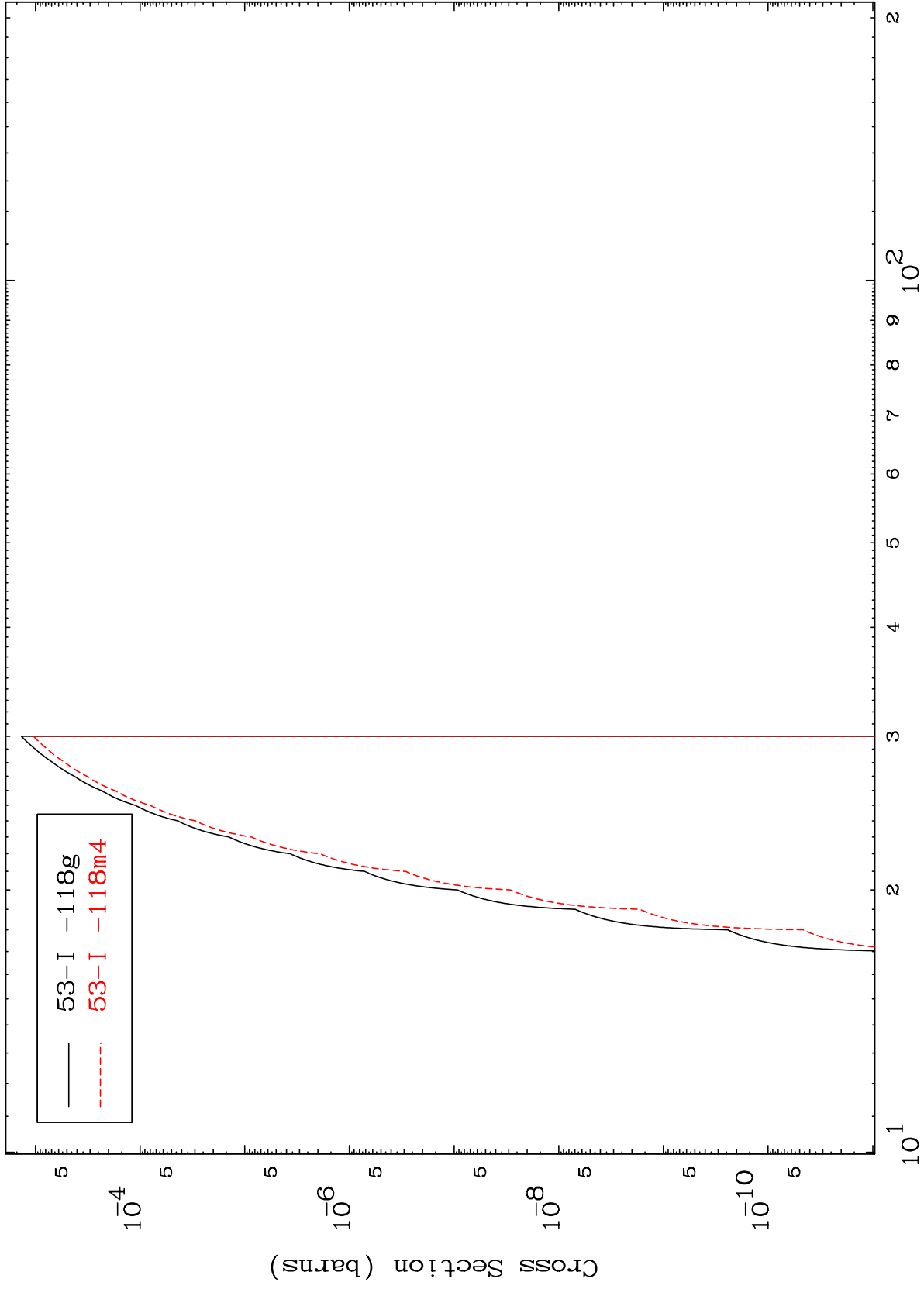
55-Cs-121

MAT 5489

(n,p) t

55-Cs-121

Radionuclide Production Cross Section



Incident Energy (MeV)

55-Cs-121

61