

Program EVALPLOT
(Version 2021-1)

by

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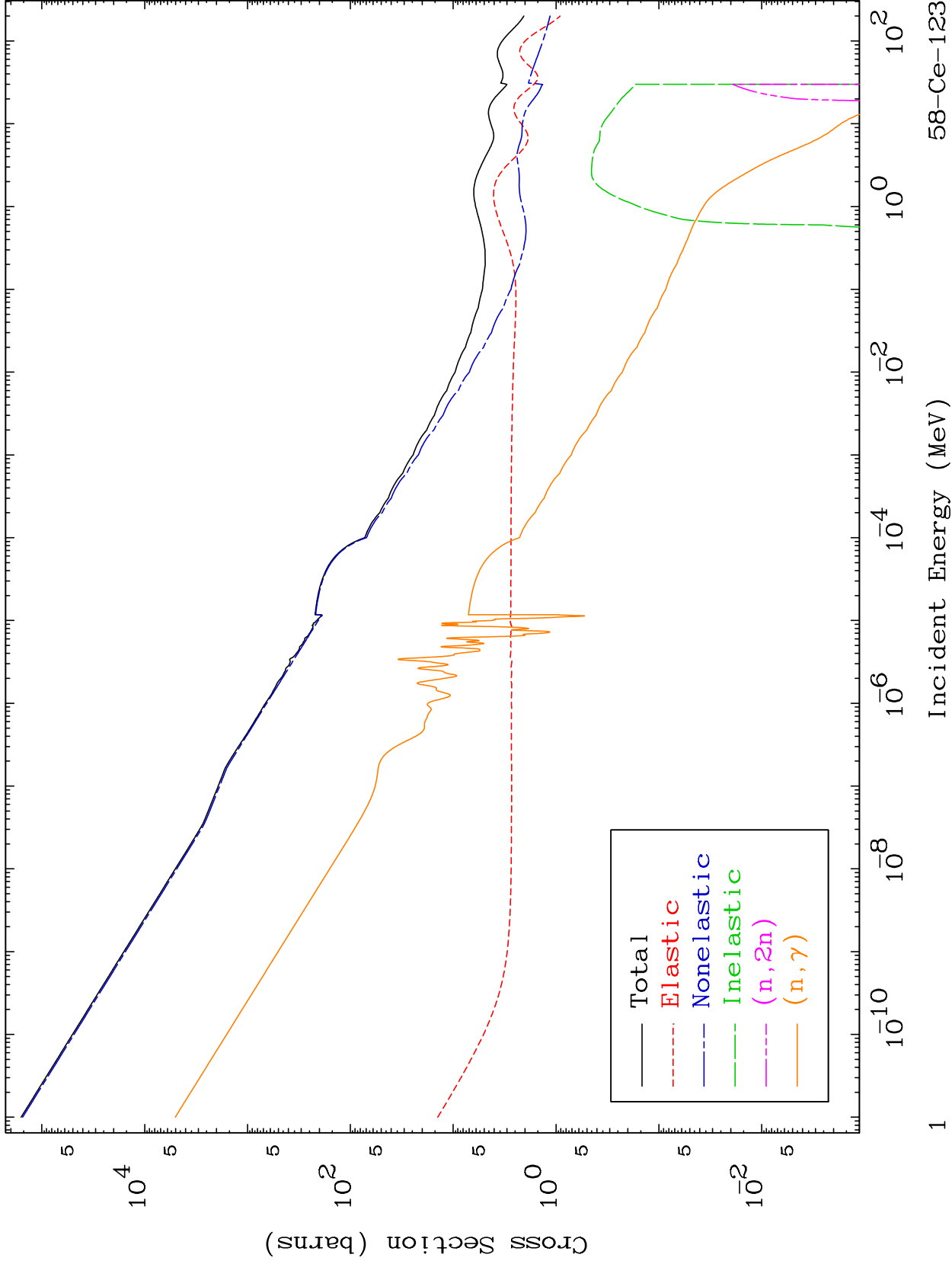
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5786

Neutron Major
293 Kelvin Cross Sections

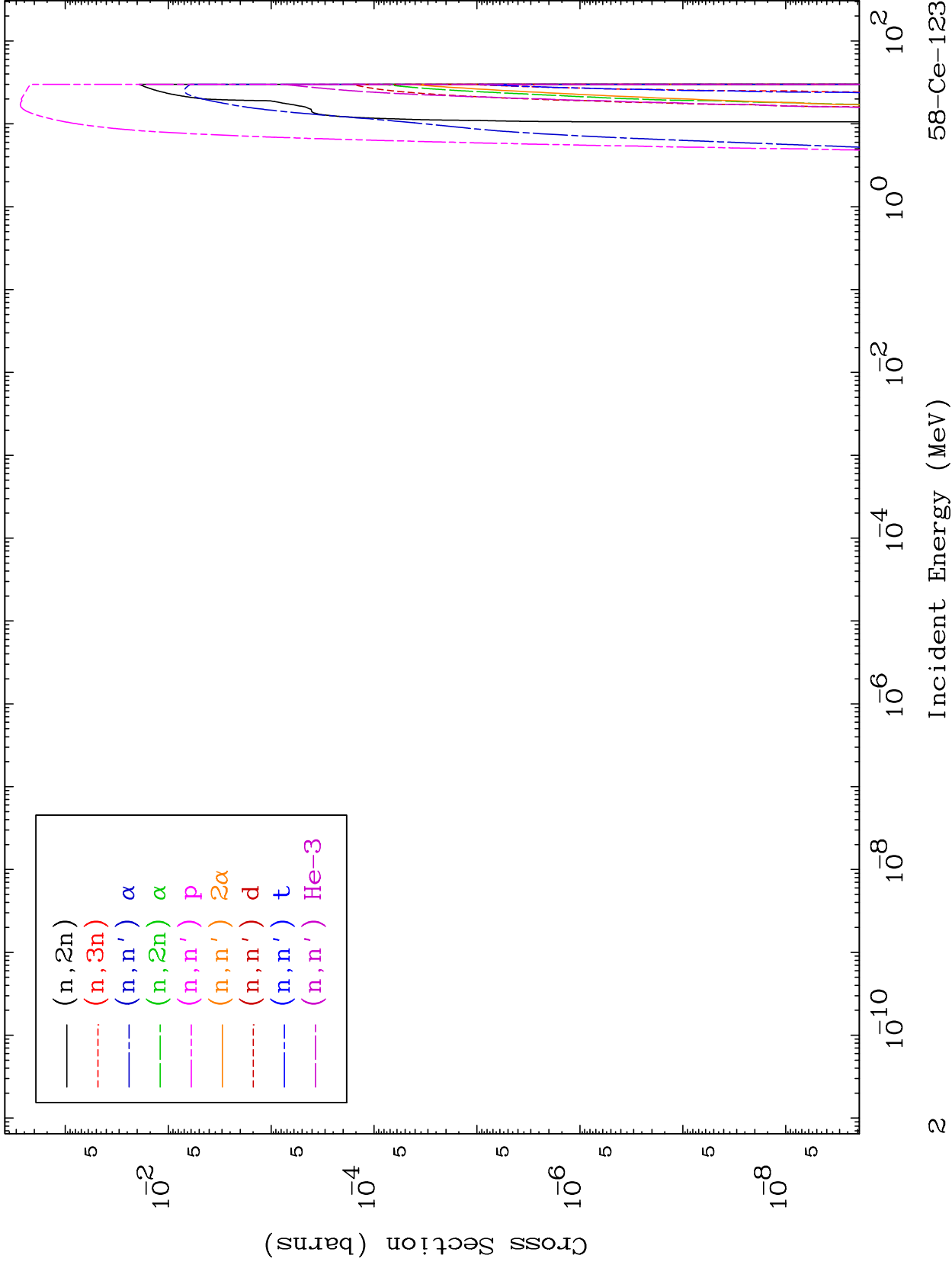
58-Ce-123



MAT 5786

Neutron Absorption
293 Kelvin Cross Sections

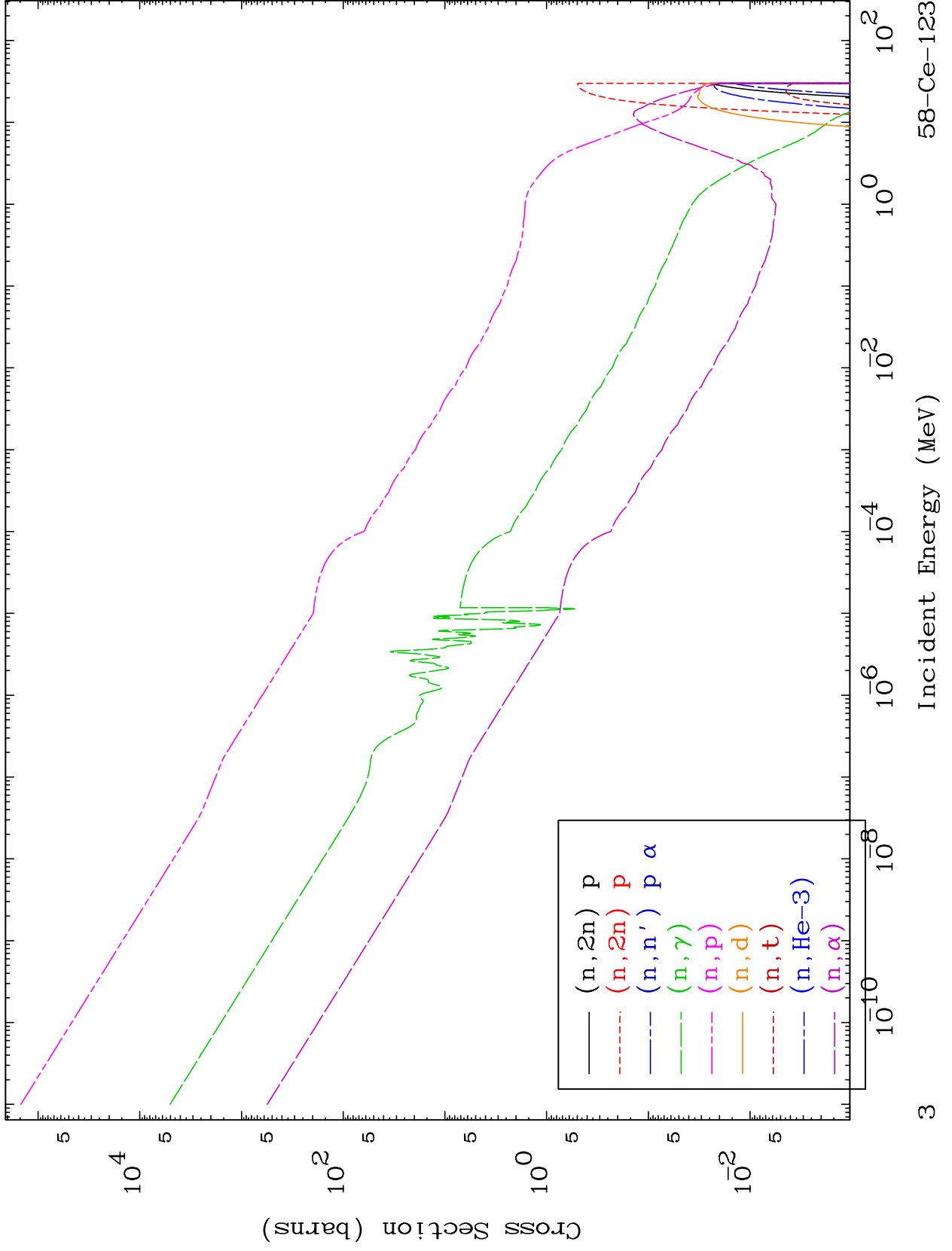
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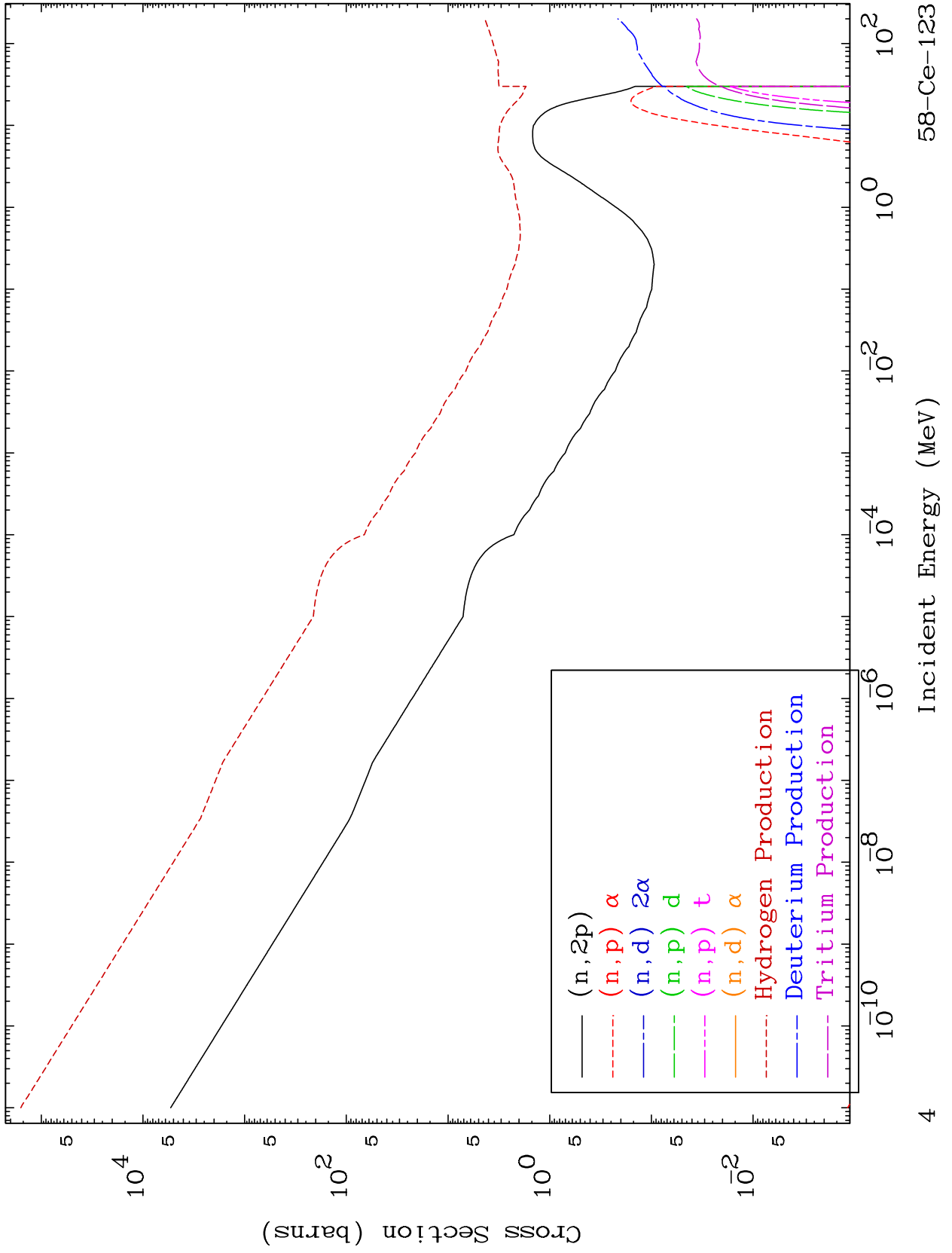


MAT 5786

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-123

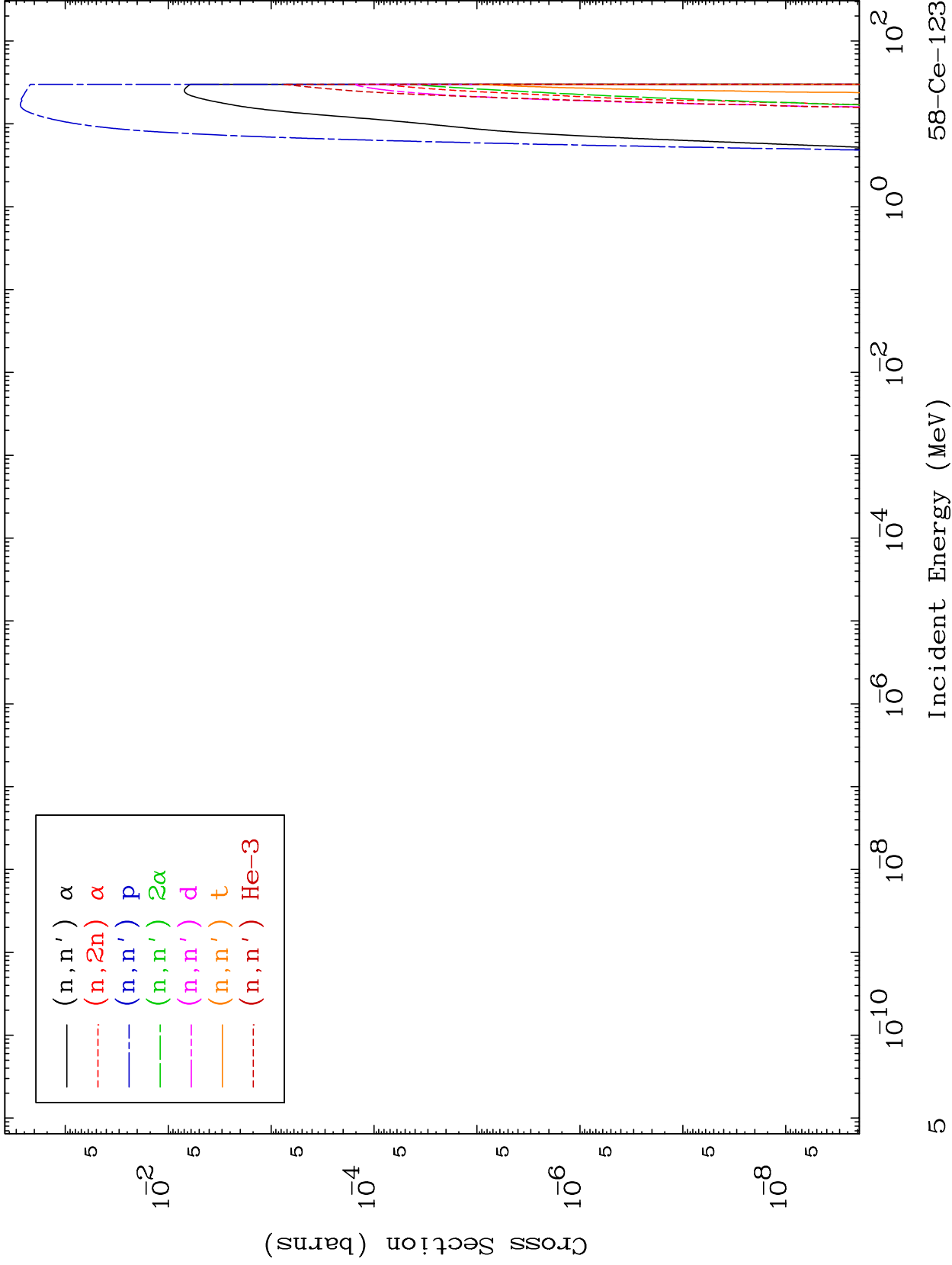




MAT 5786

Charged Particle
293 Kelvin Cross Sections

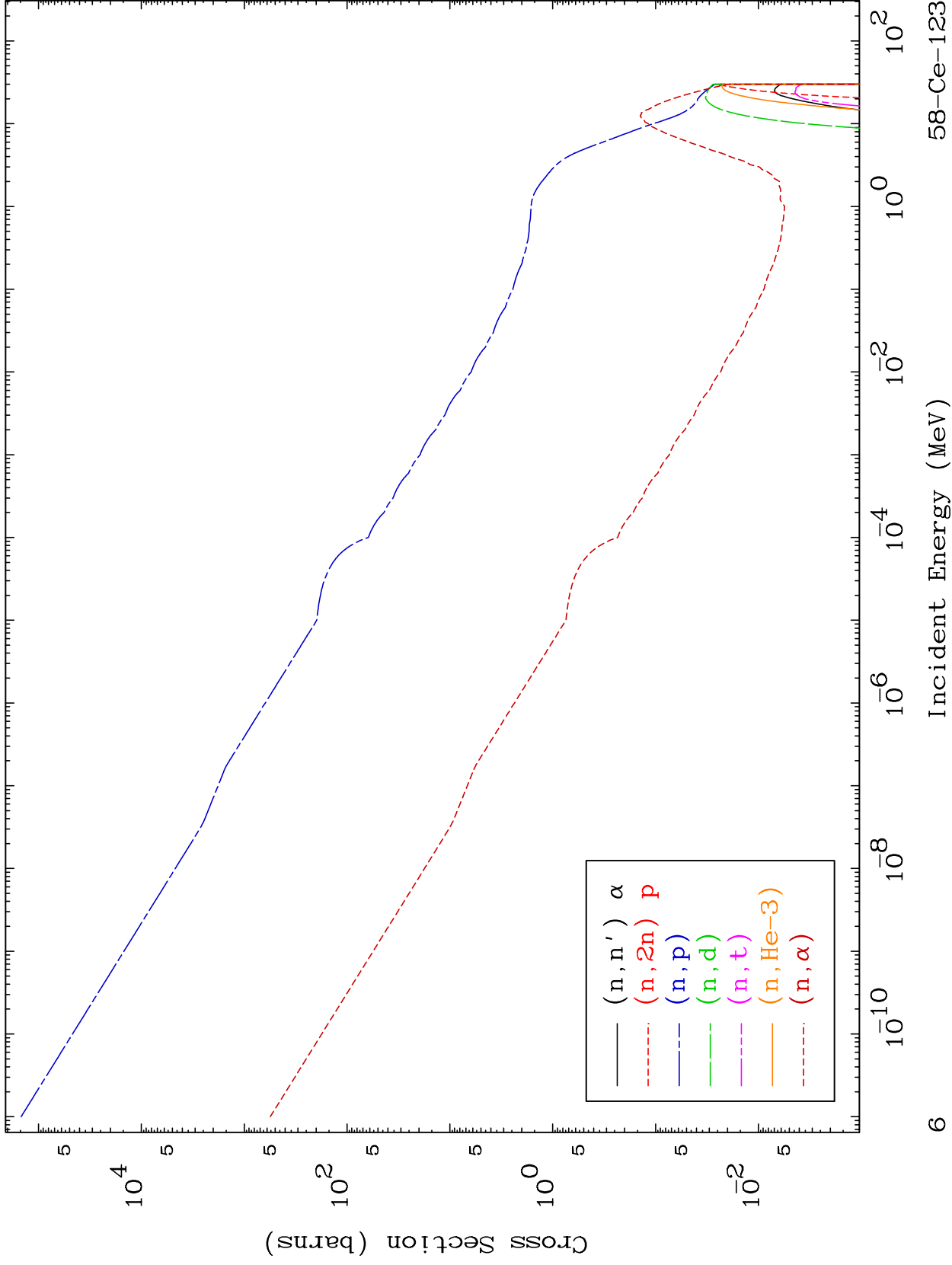
58-Ce-123



MAT 5786

Charged Particle
293 Kelvin Cross Sections

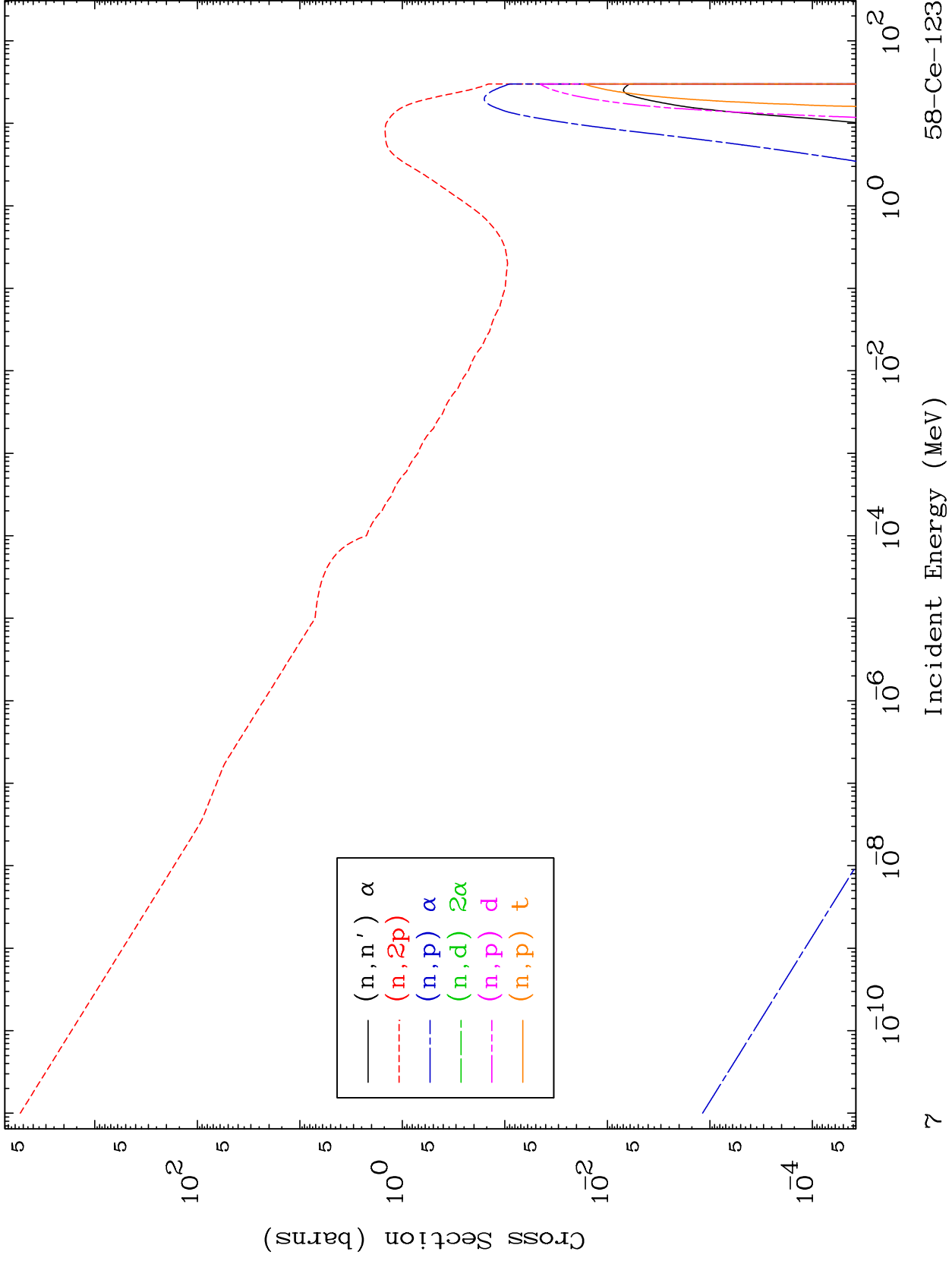
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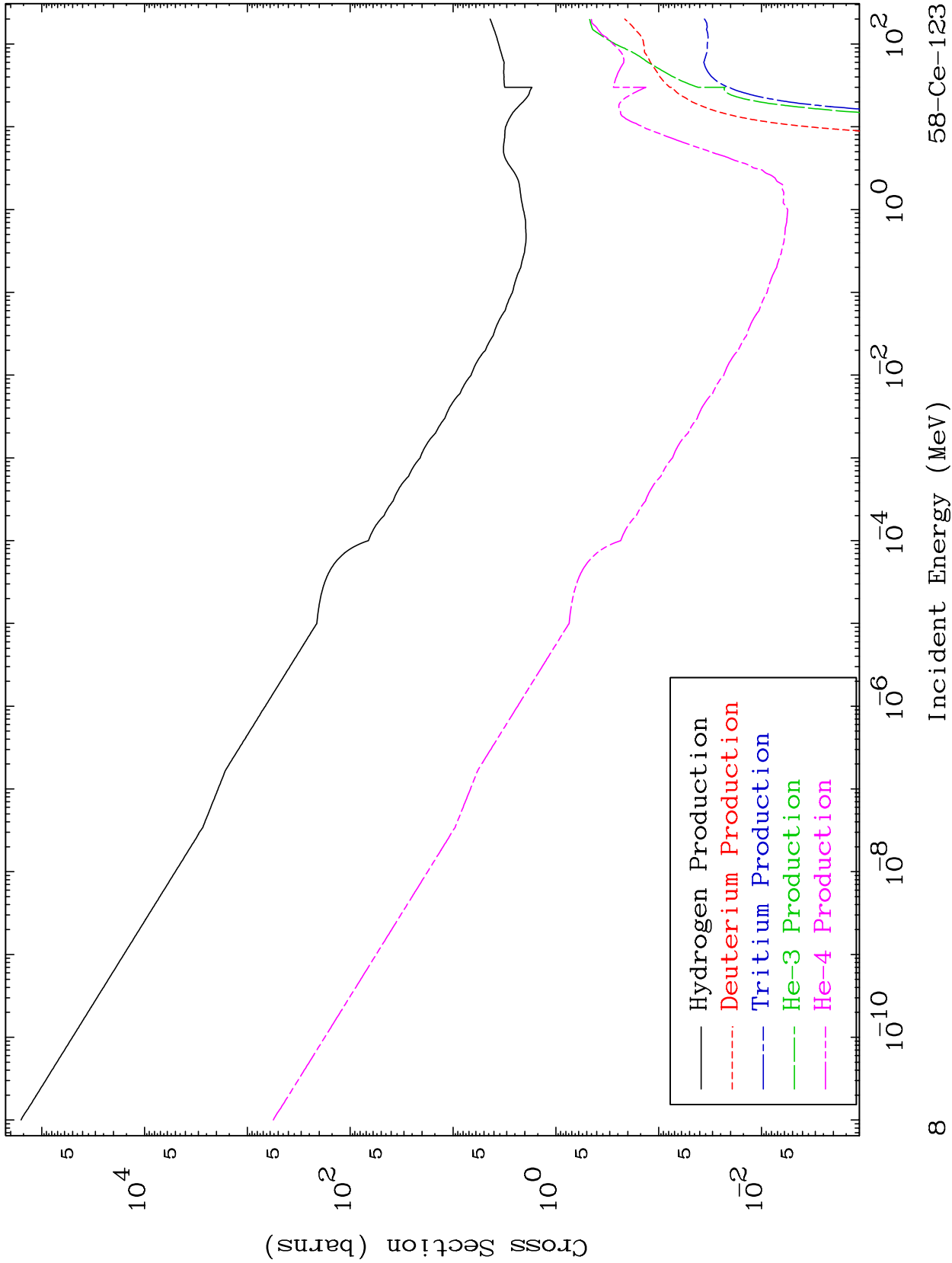


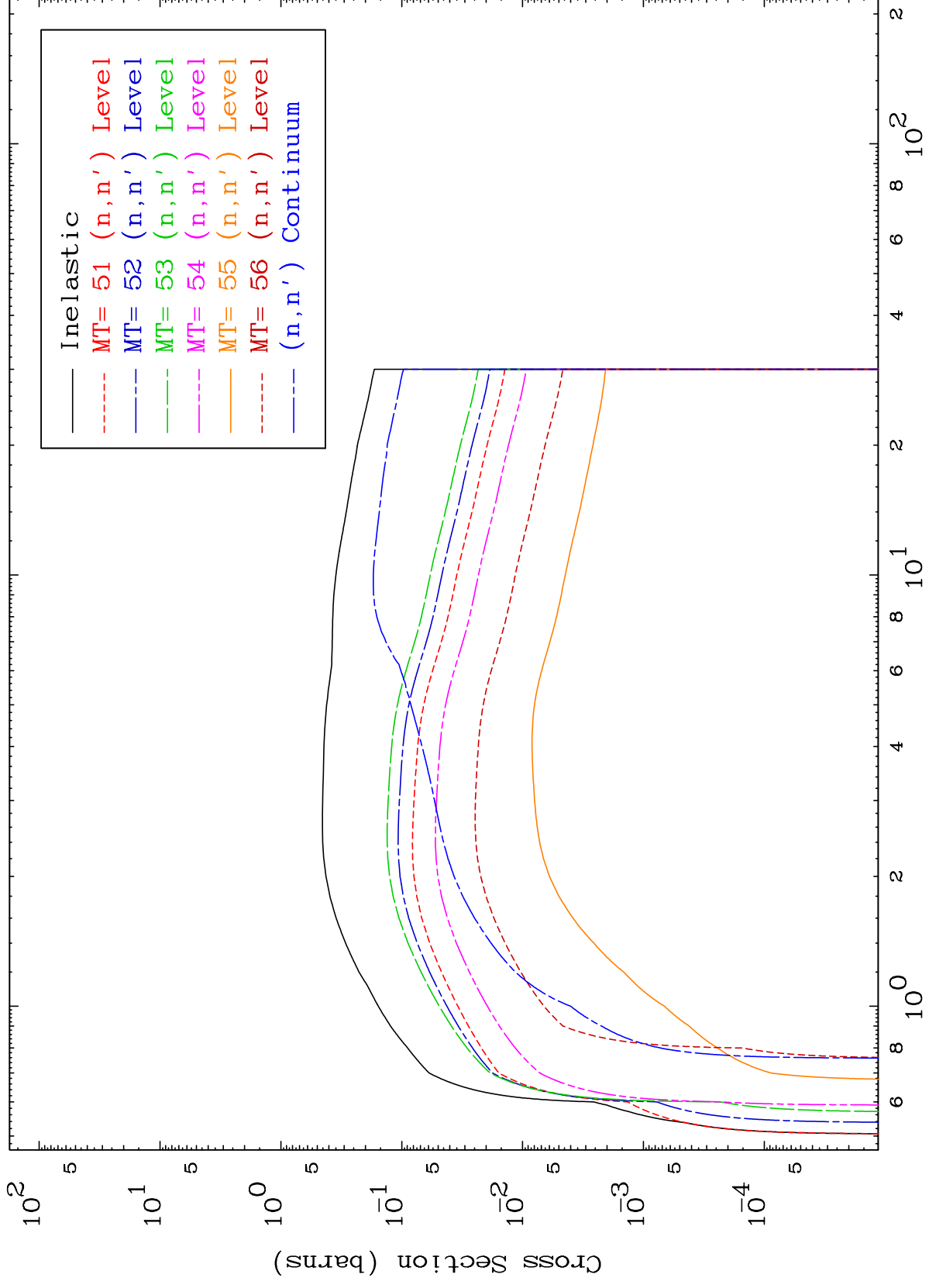
MAT 5786

Charged Particle
293 Kelvin Cross Sections

58-Ce-123



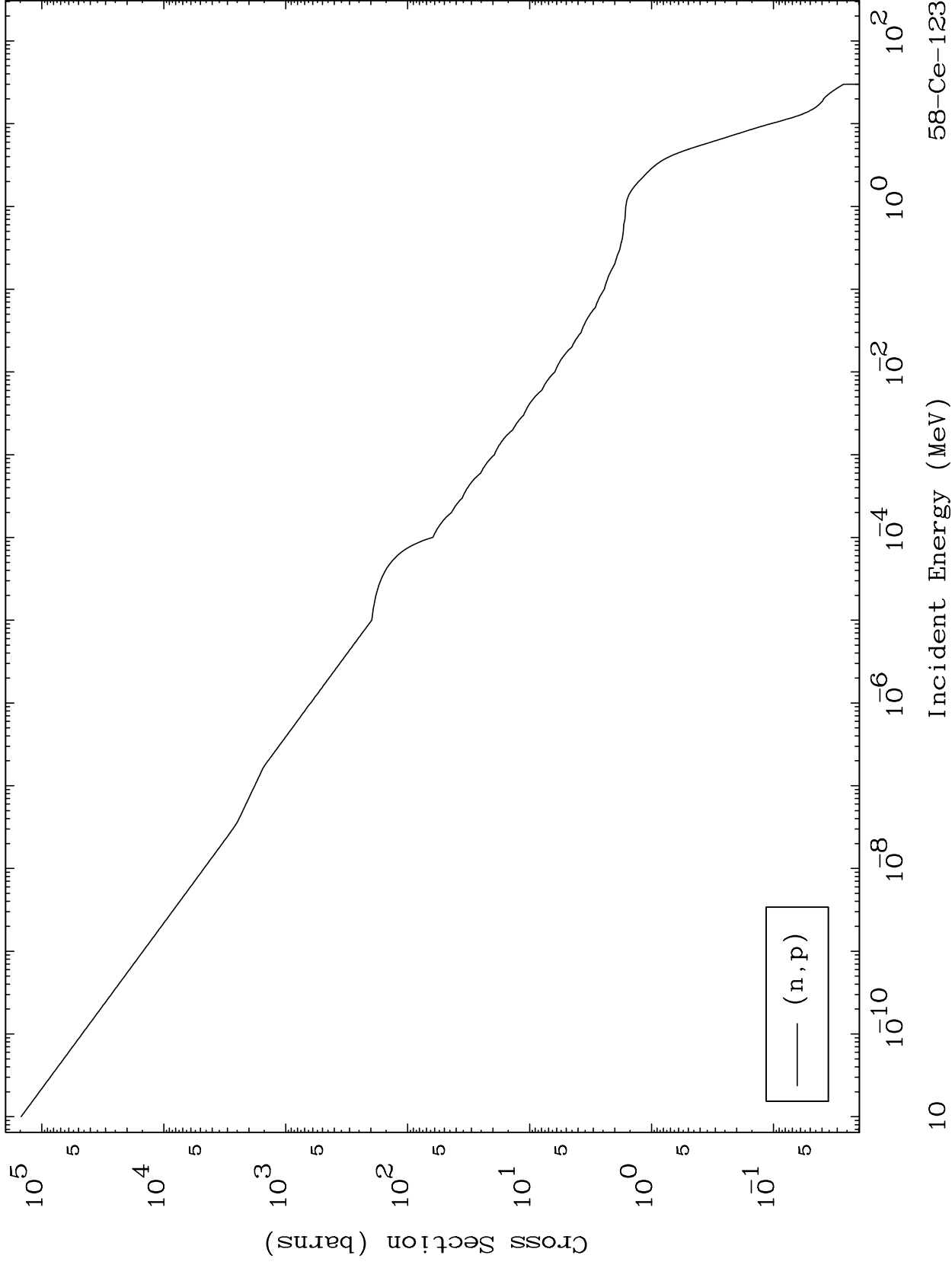




MAT 5786

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-123



10

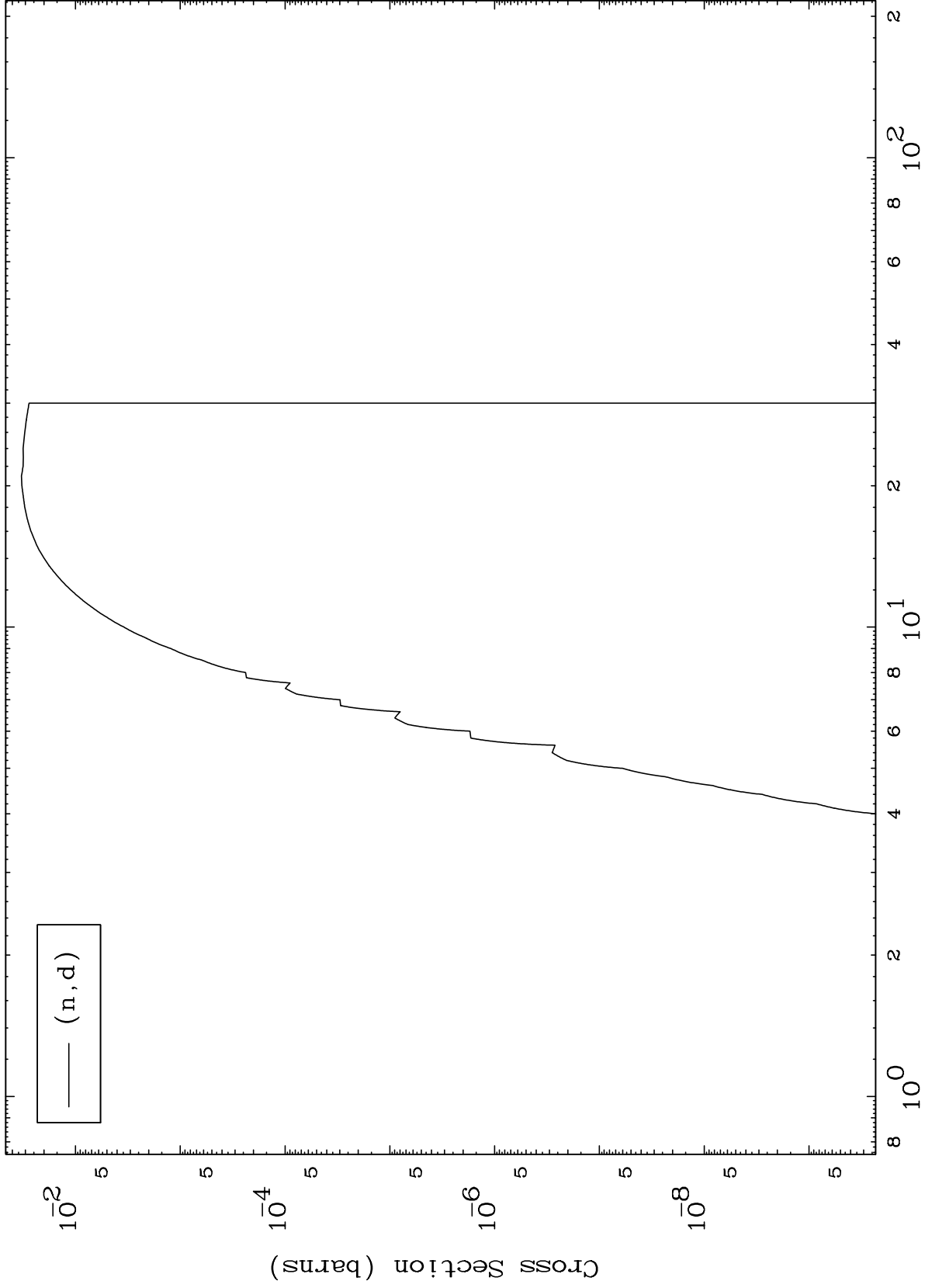
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-123



11

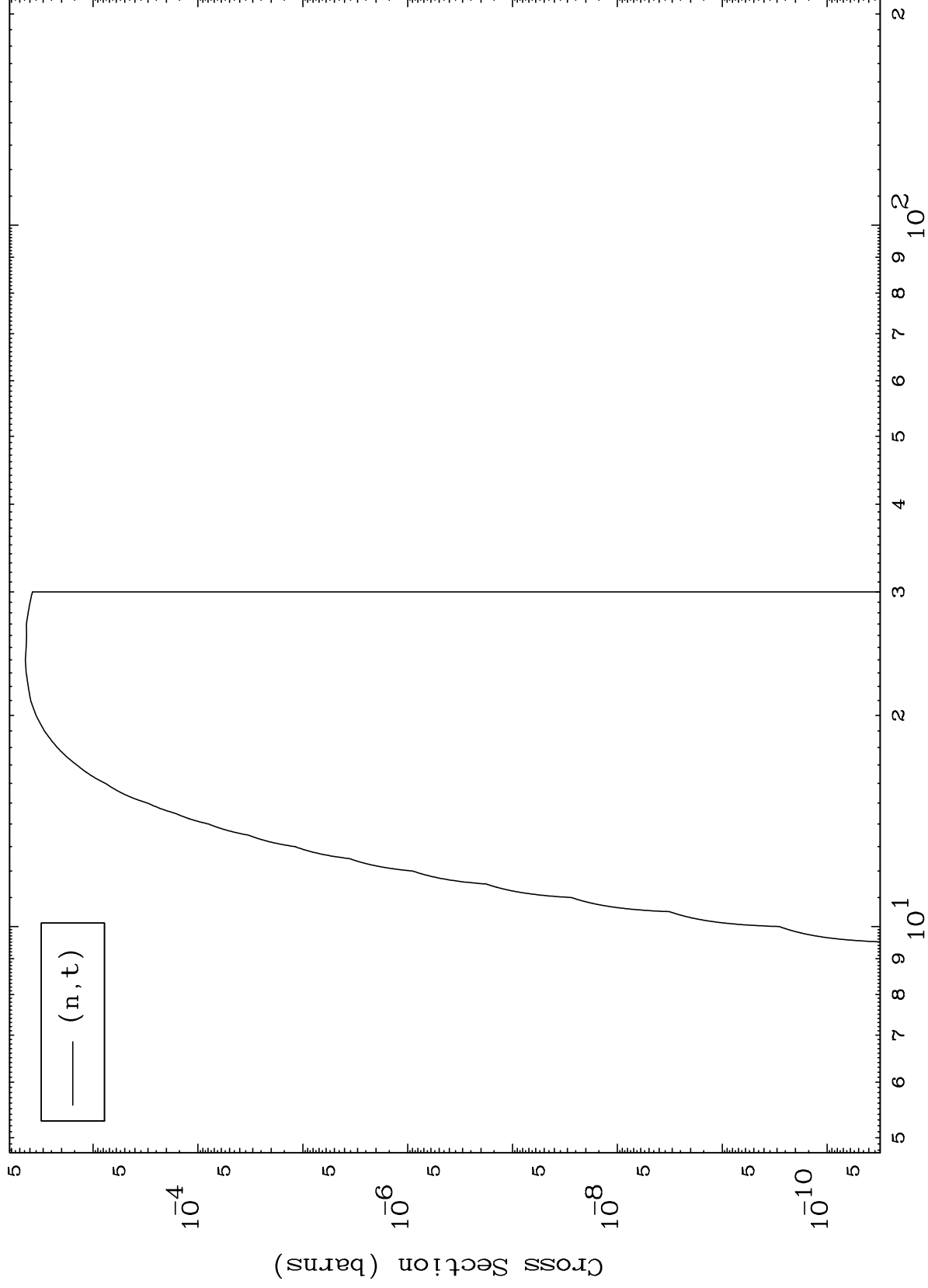
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-123



12

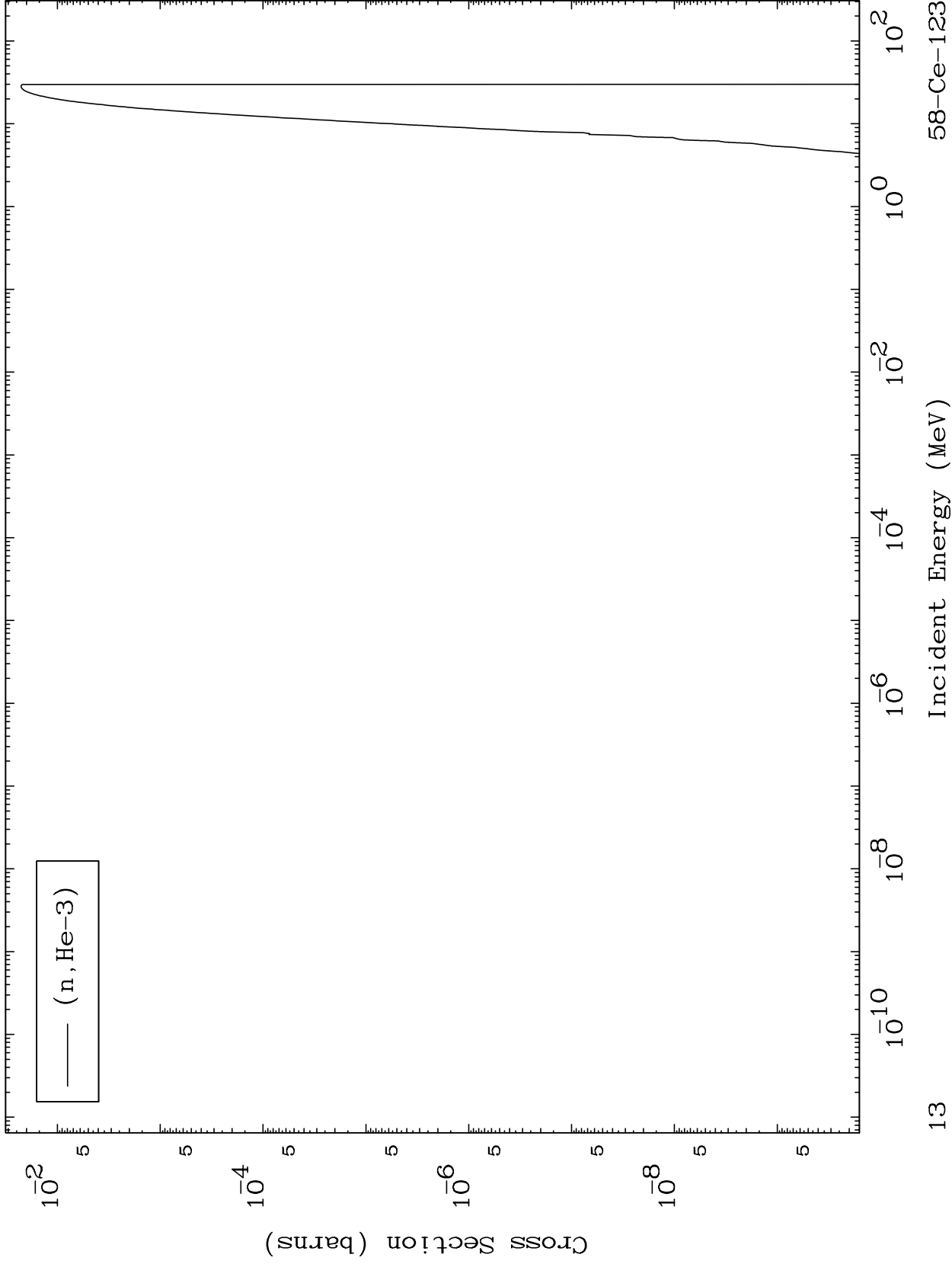
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,He3) Levels
293 Kelvin Cross Sections

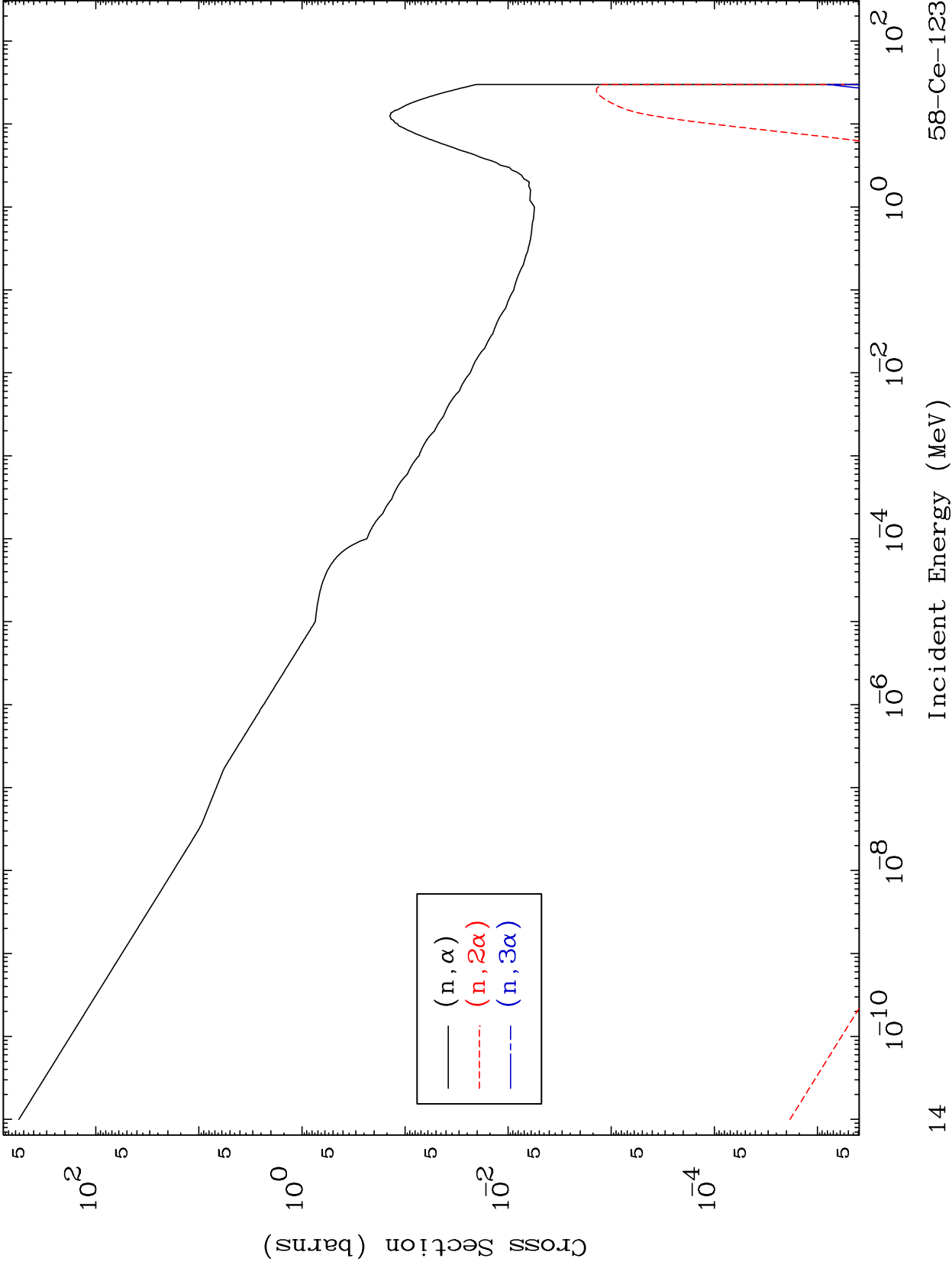
58-Ce-123



MAT 5786

(n,α) Levels
293 Kelvin Cross Sections

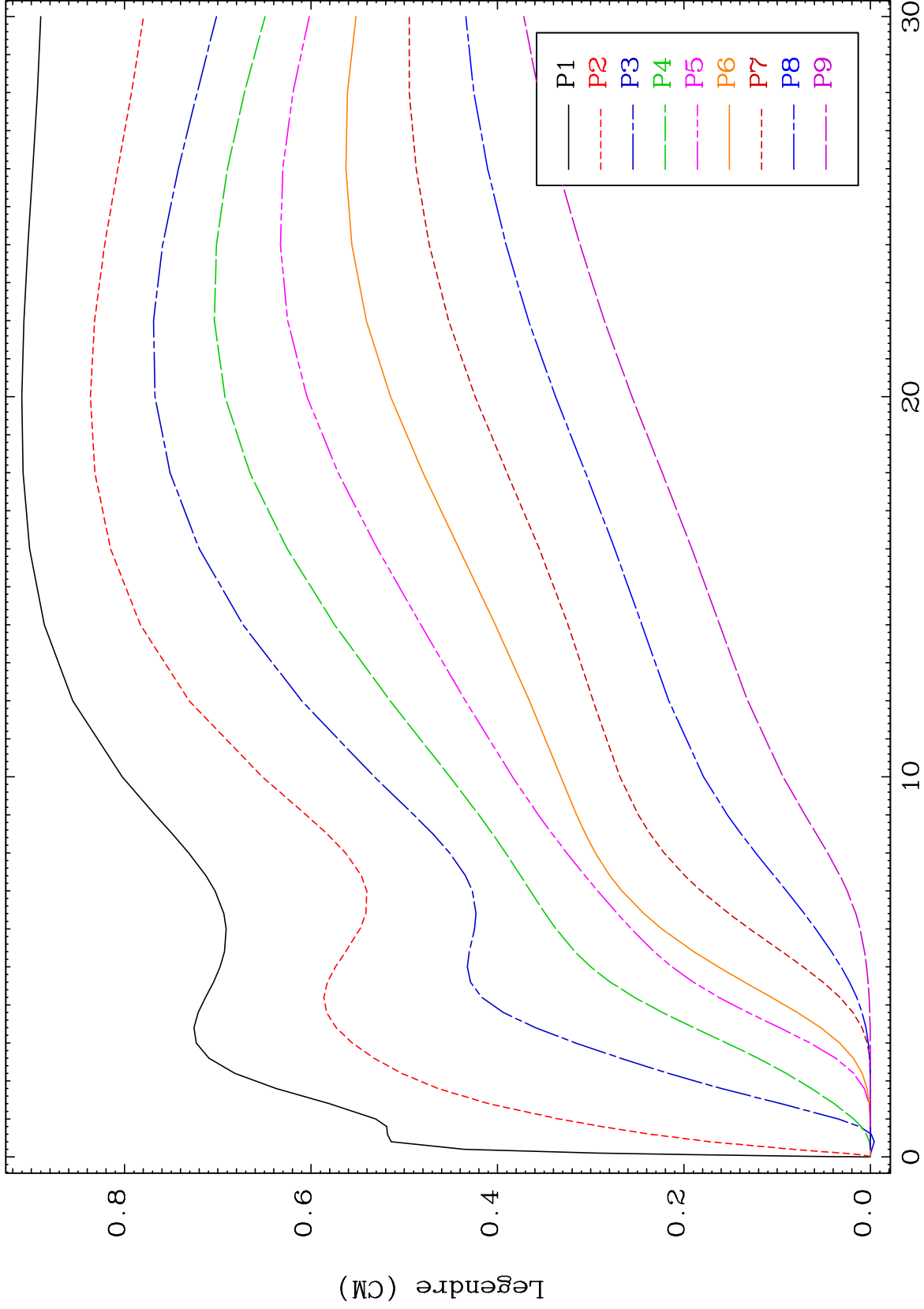
58-Ce-123



MAT 5786

Elastic Legendre Coefficients

58-Ce-123



15

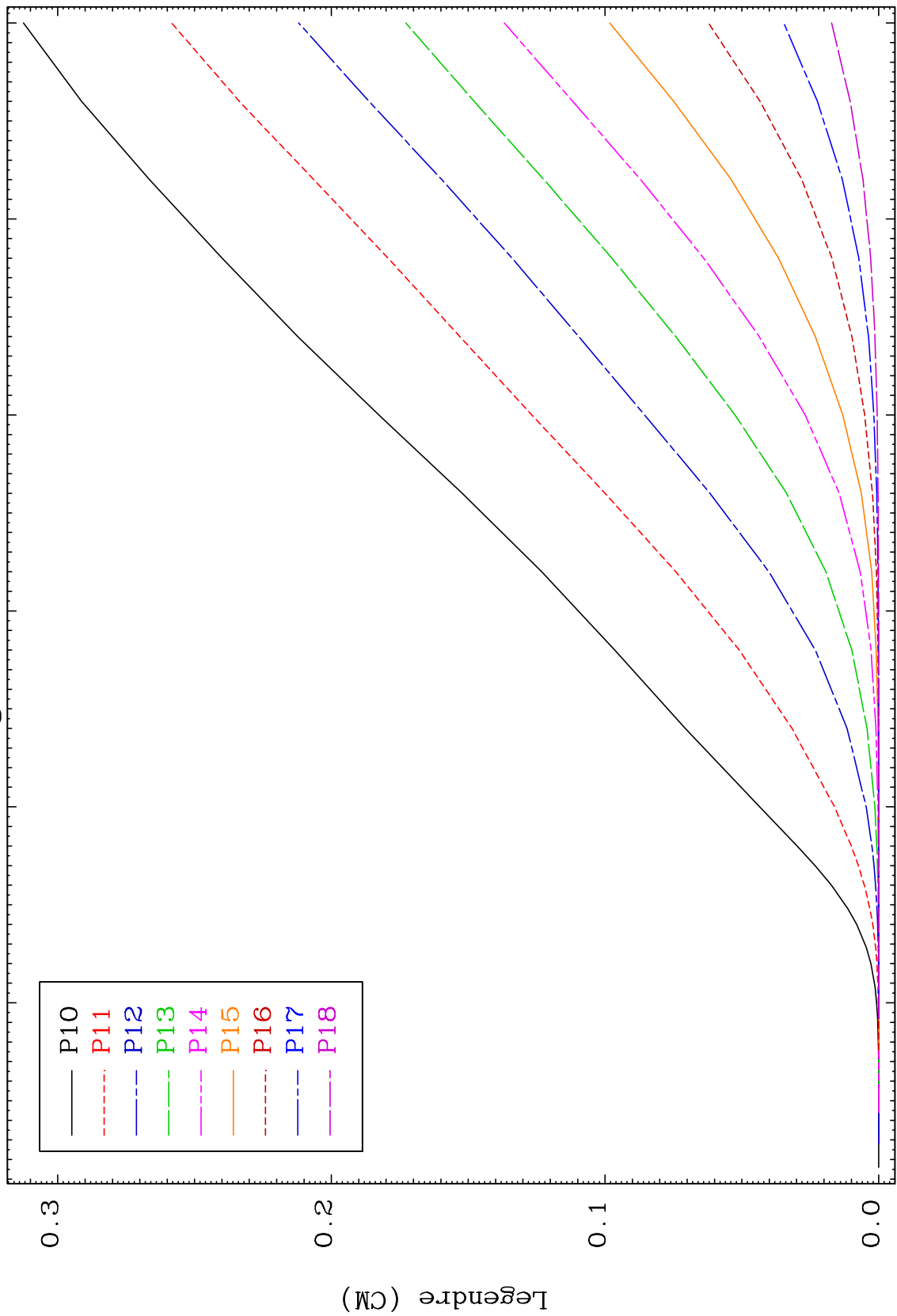
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



16

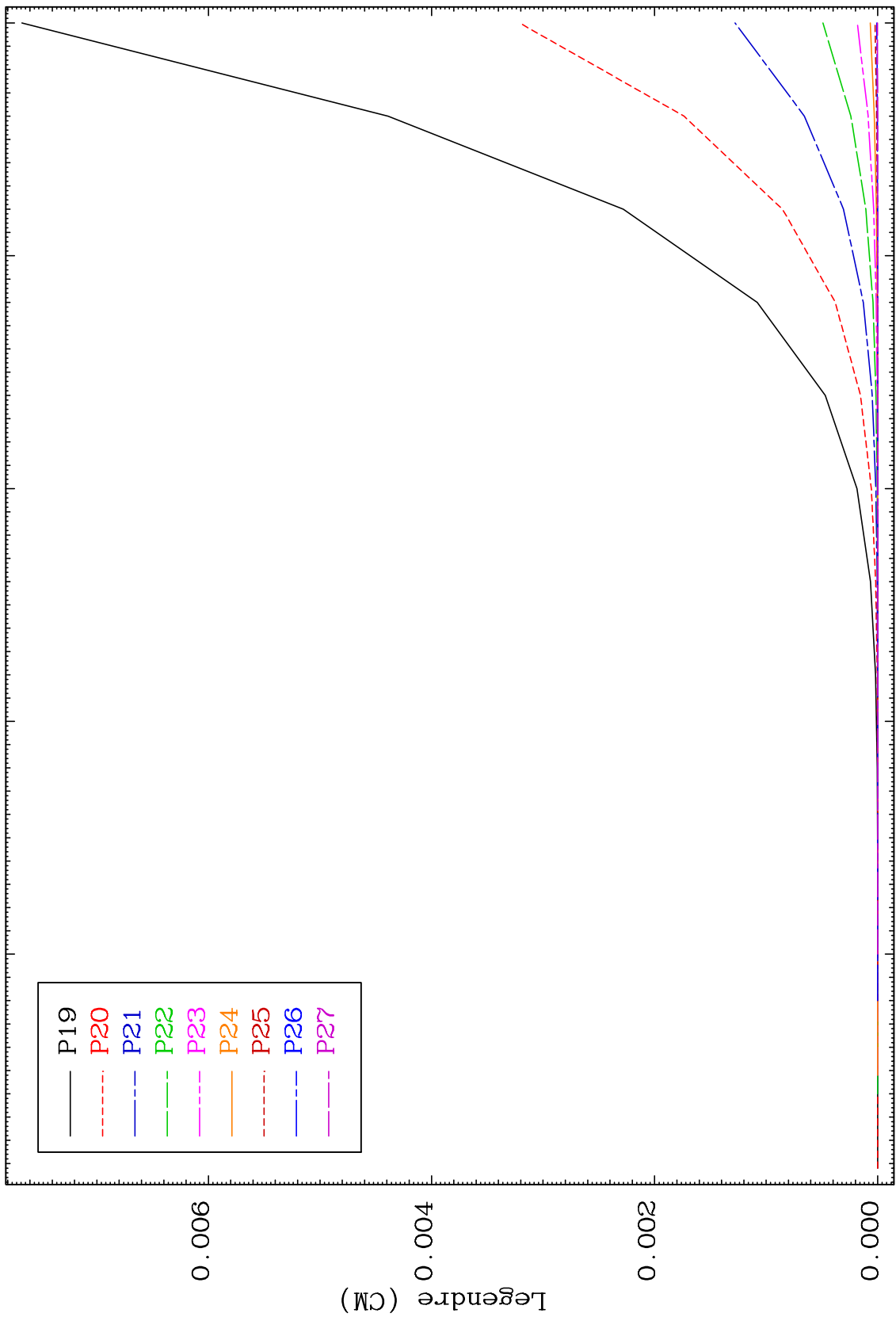
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



17

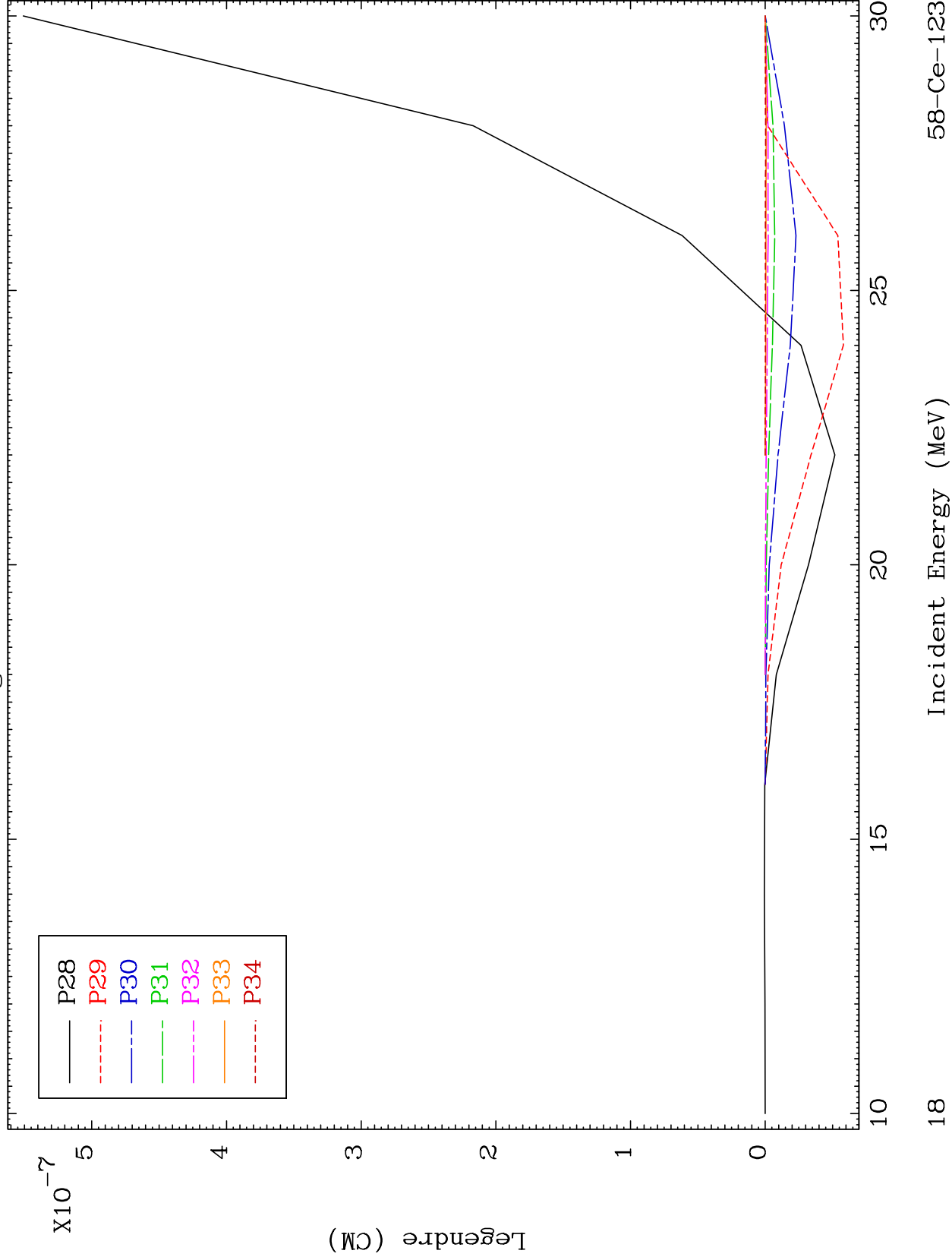
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

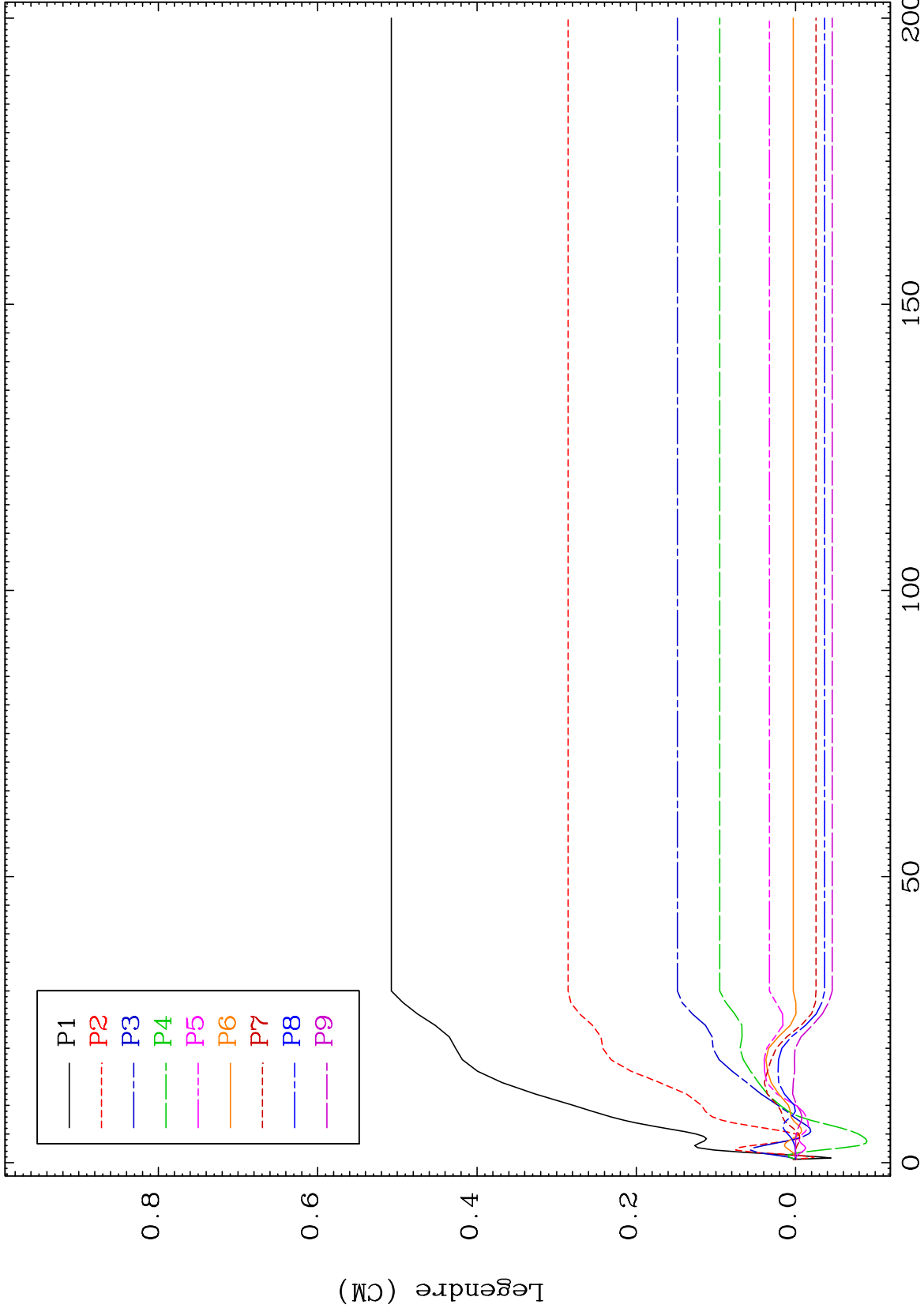
58-Ce-123



MAT 5786

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

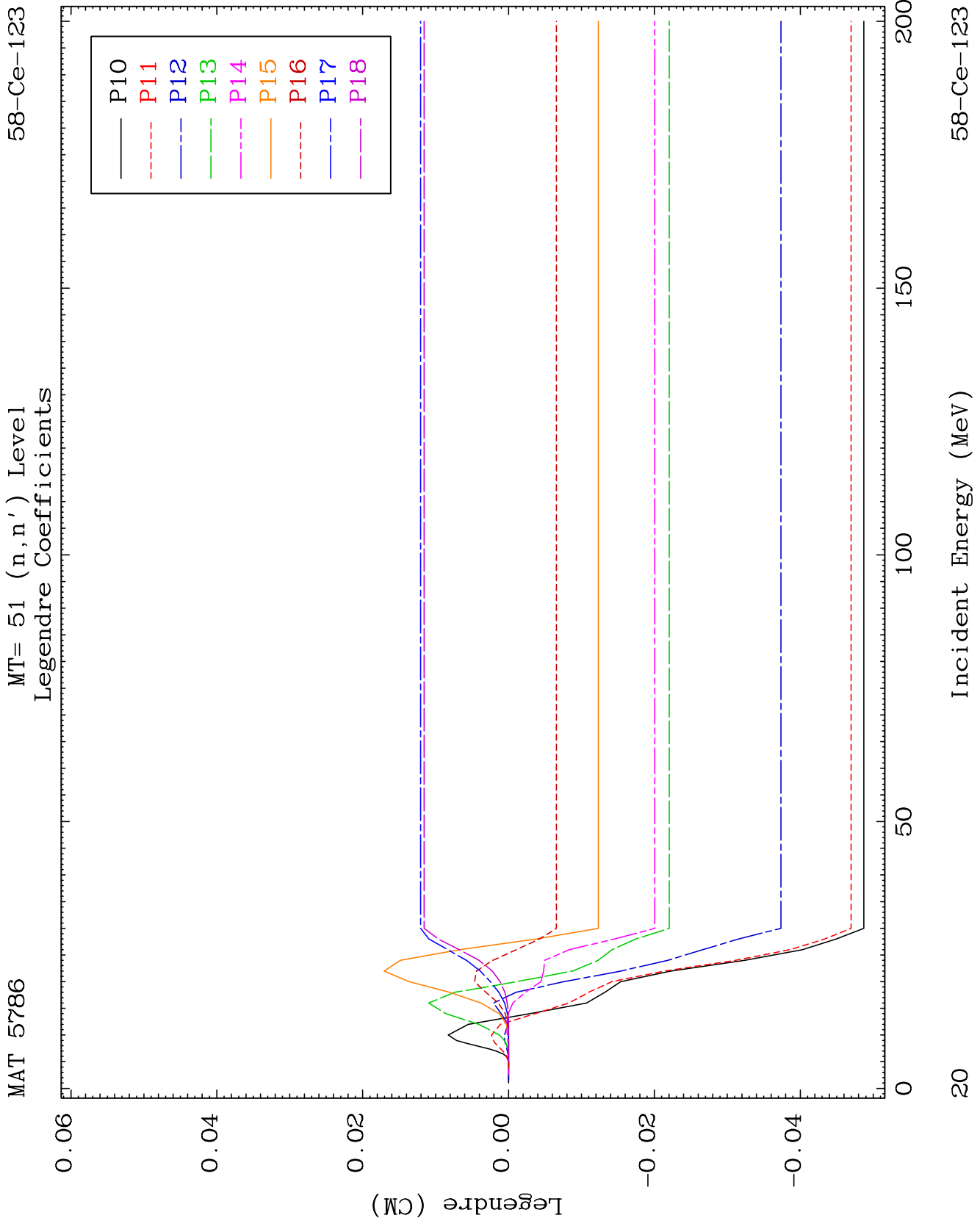
58-Ce-123



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Incident Energy (MeV)

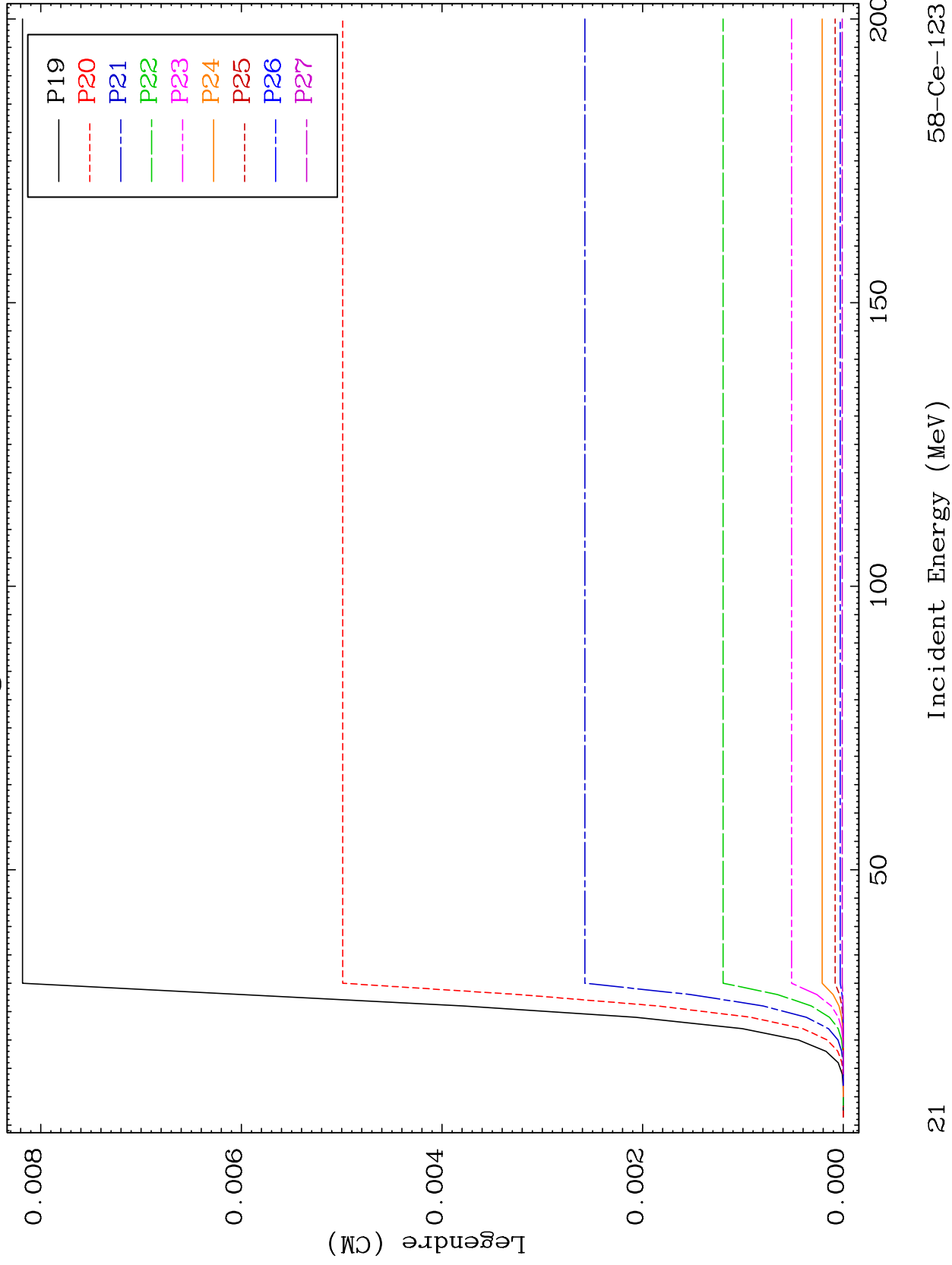
58-Ce-123



MAT 5786

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

58-Ce-123



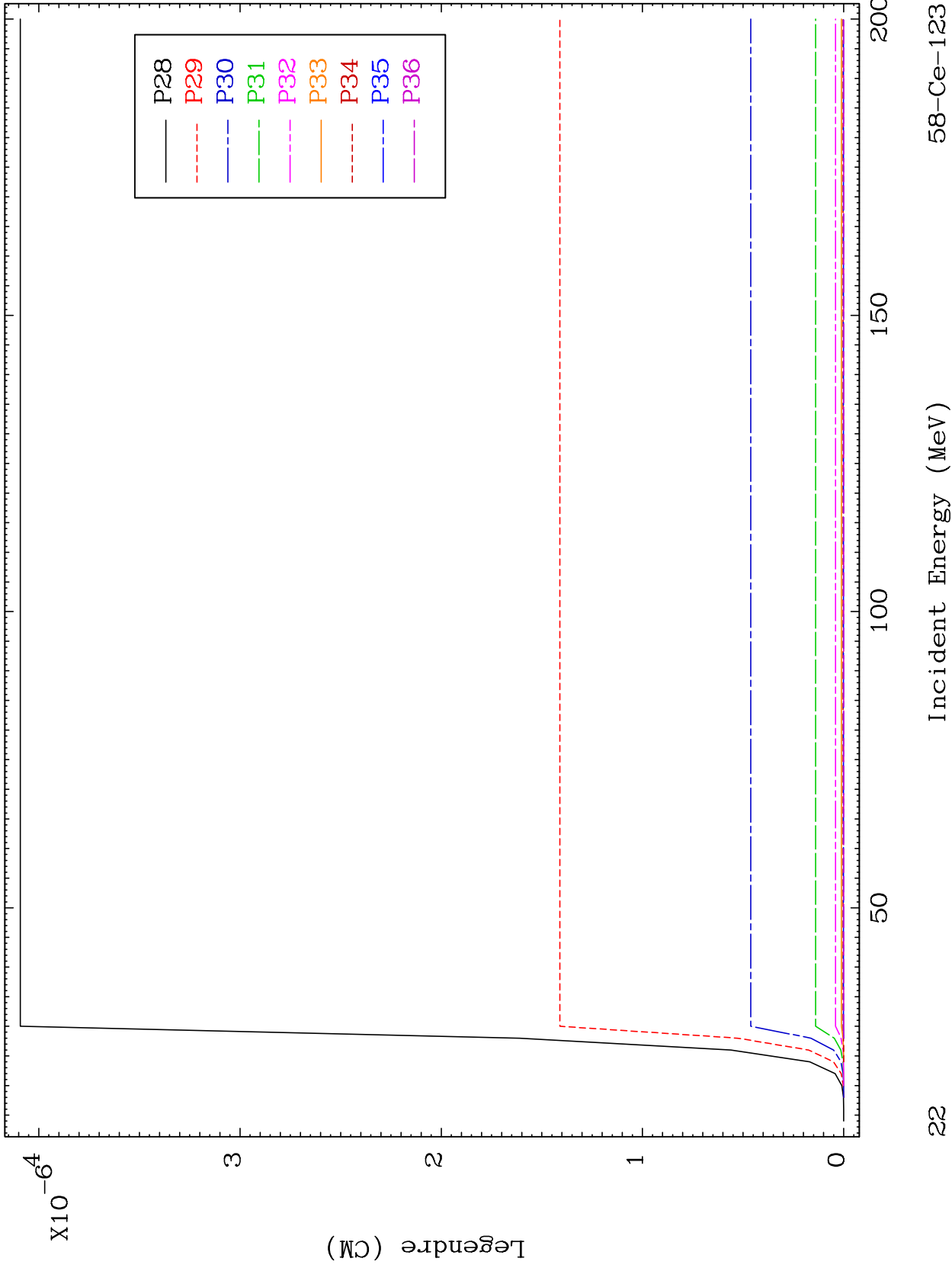
21

58-Ce-123

MAT 5786

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

58-Ce-123



22

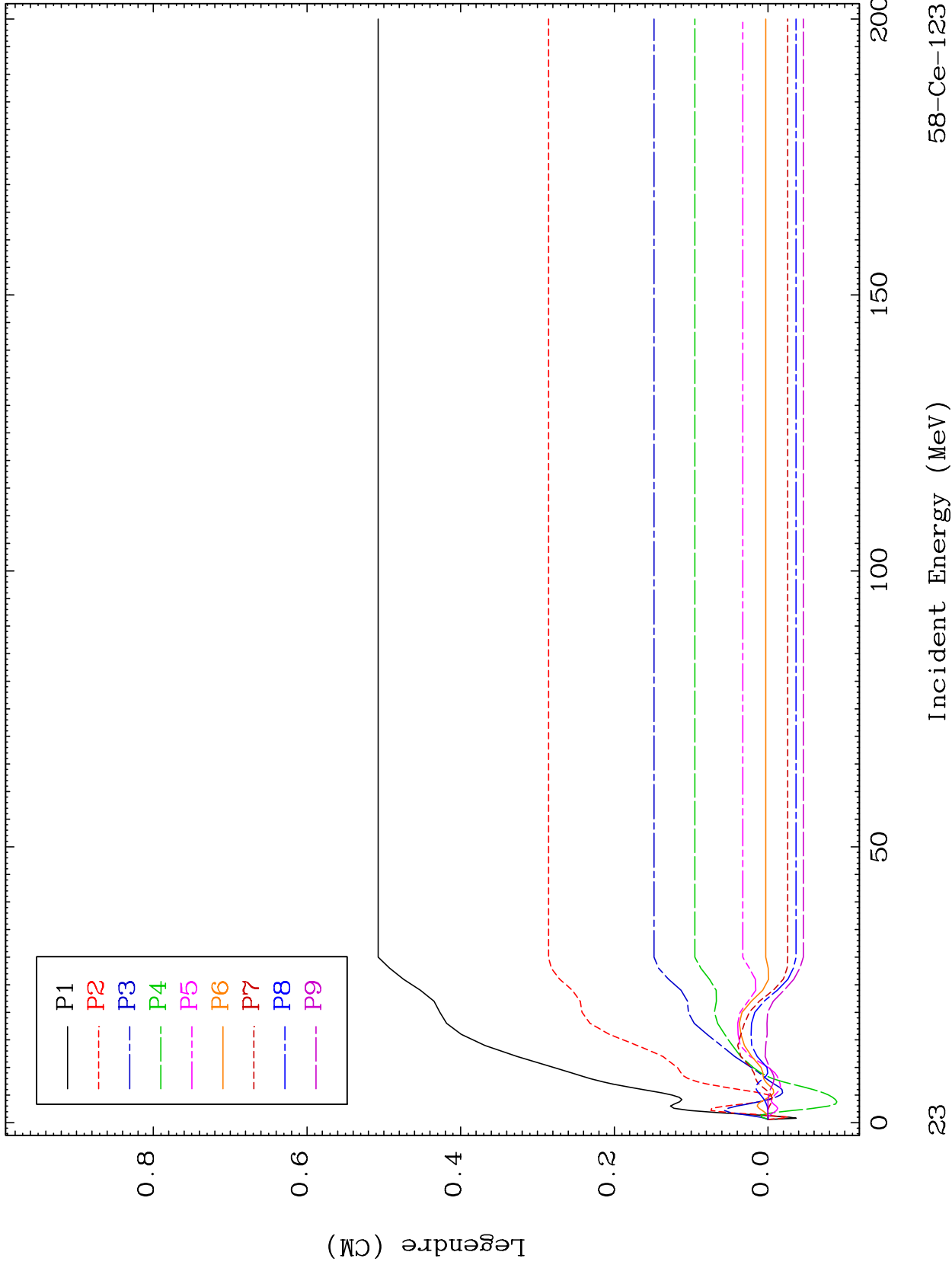
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



58-Ce-123

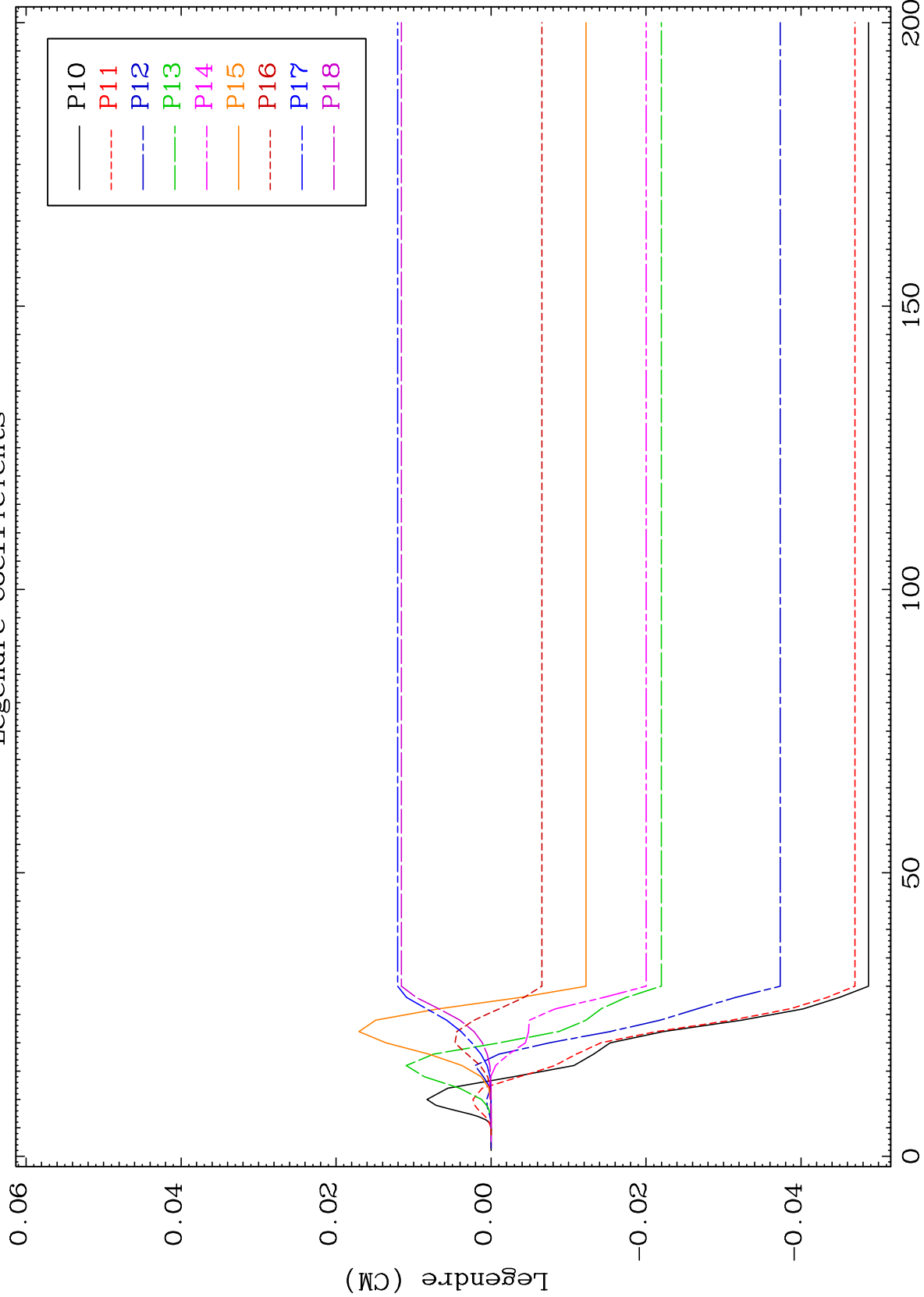
Incident Energy (MeV)

23

MAT 5786

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

58-Ce-123



24

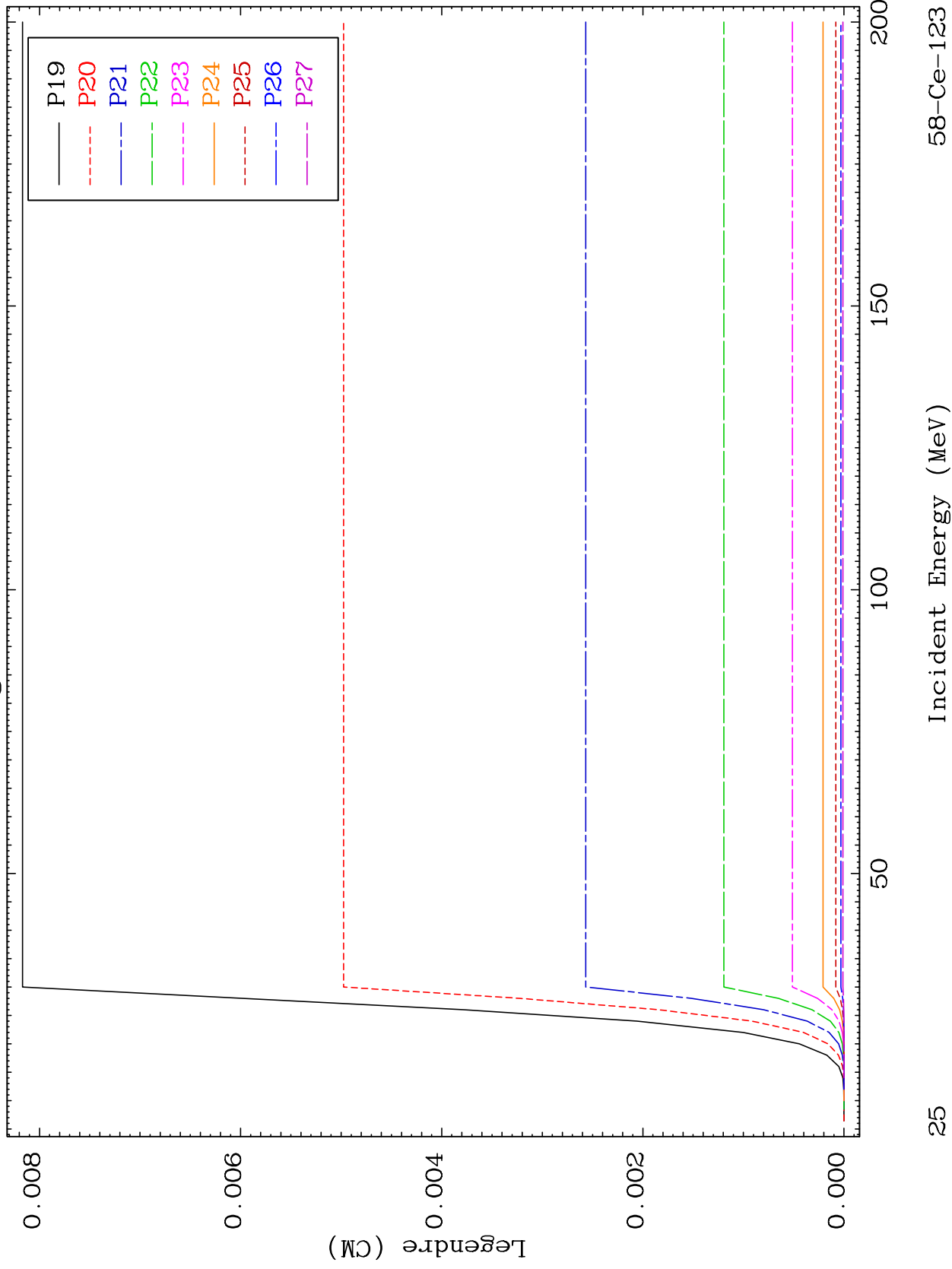
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



58-Ce-123

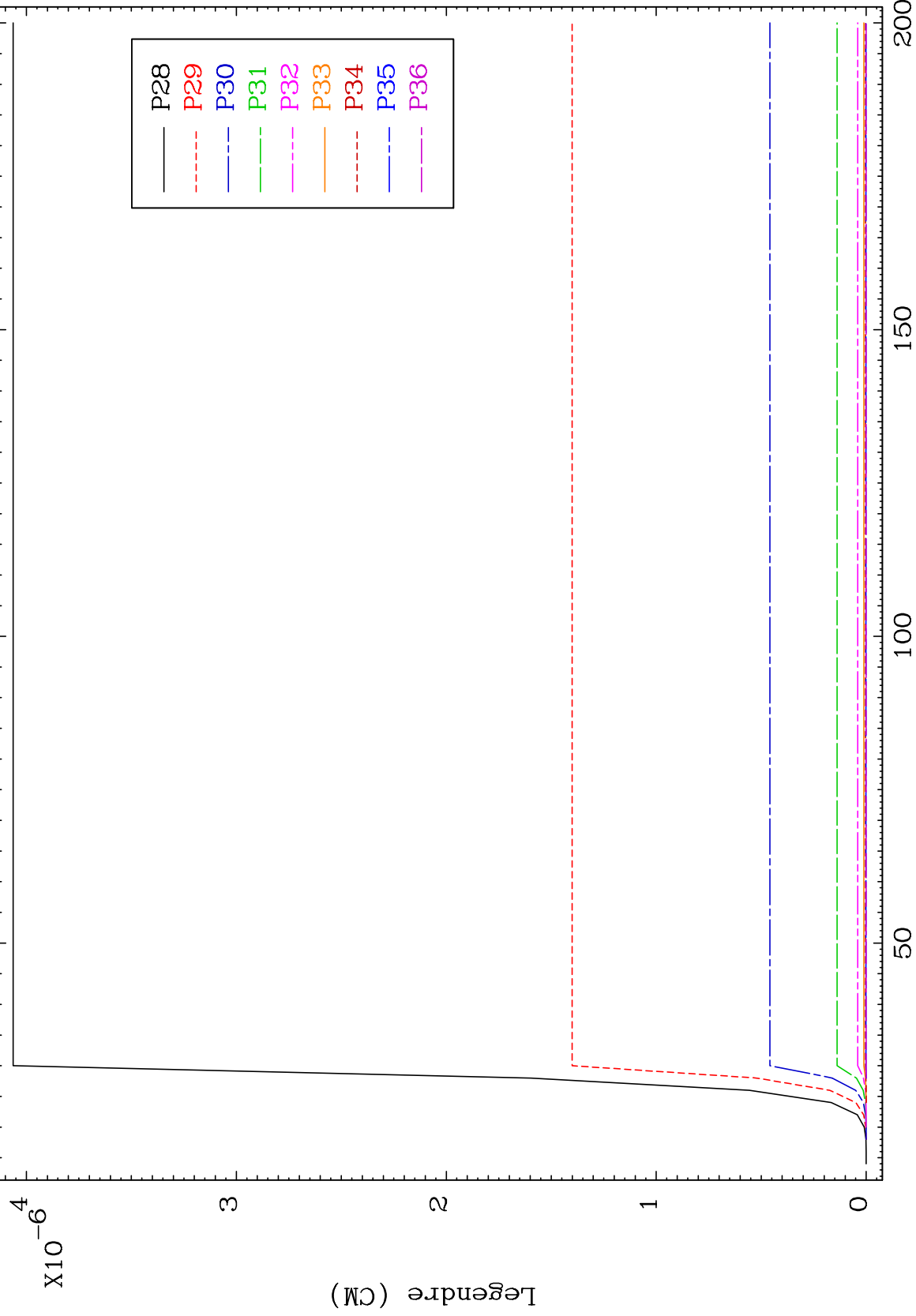
Incident Energy (MeV)

25

MAT 5786

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

58-Ce-123



26

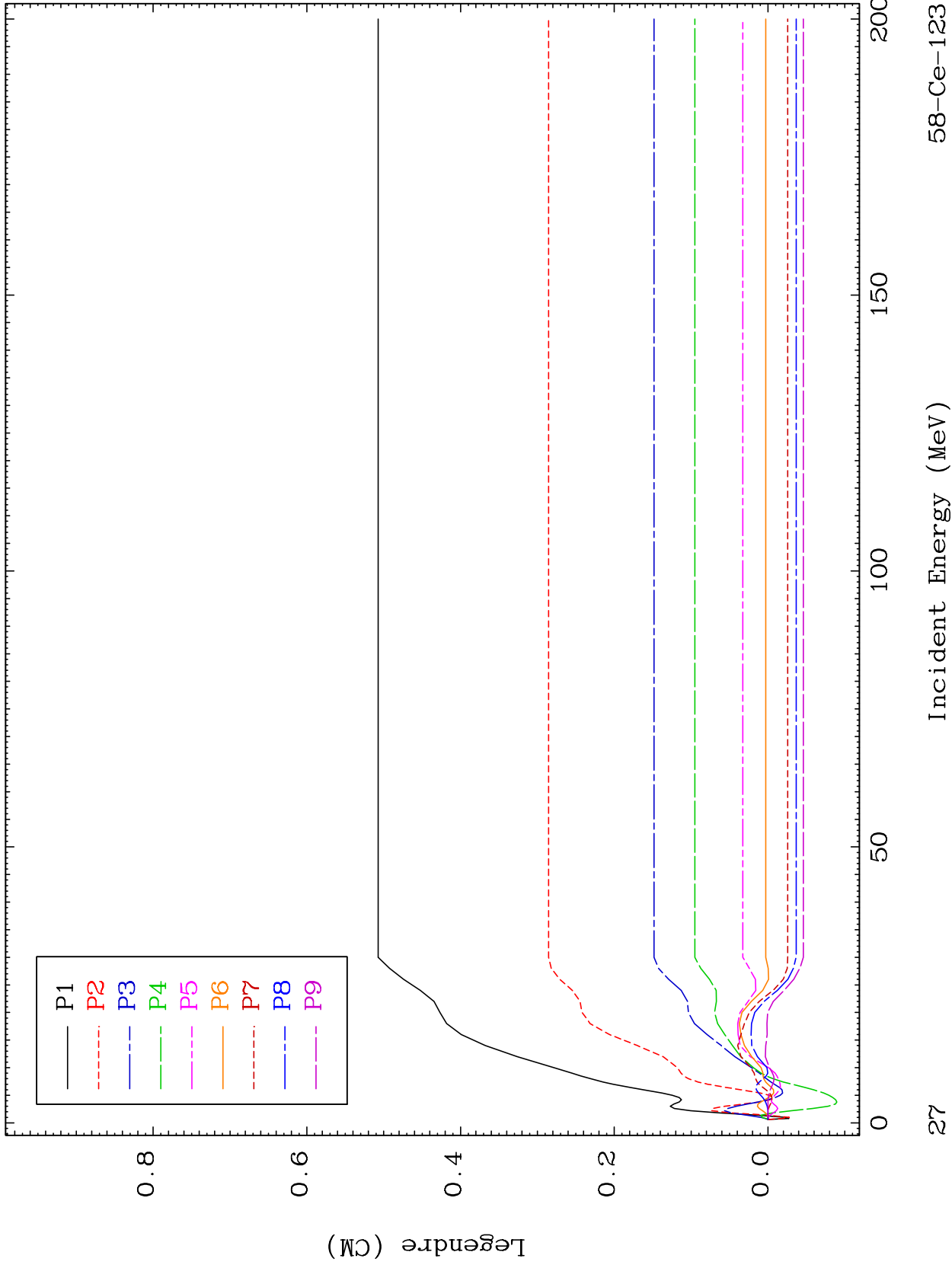
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



27

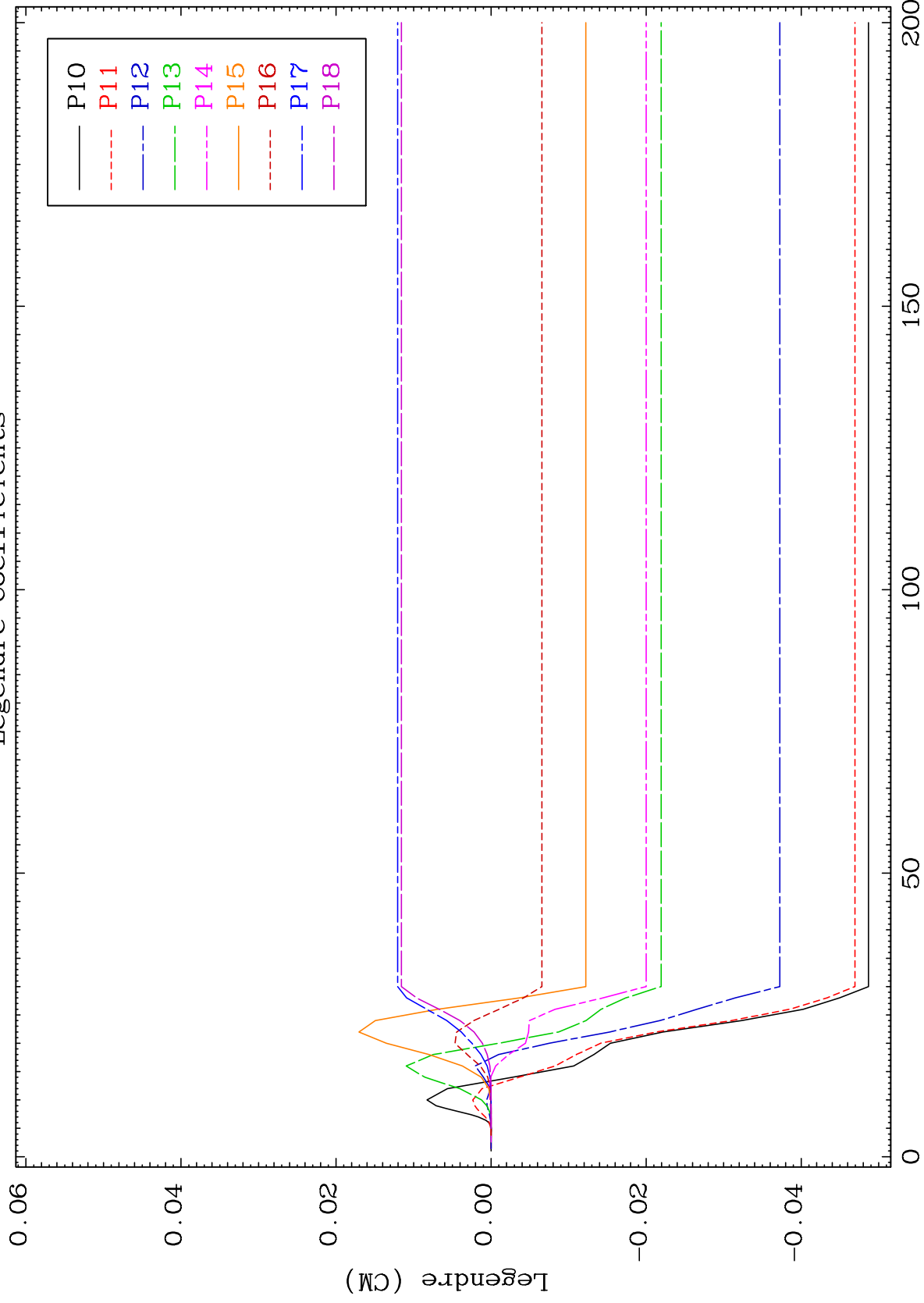
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



28

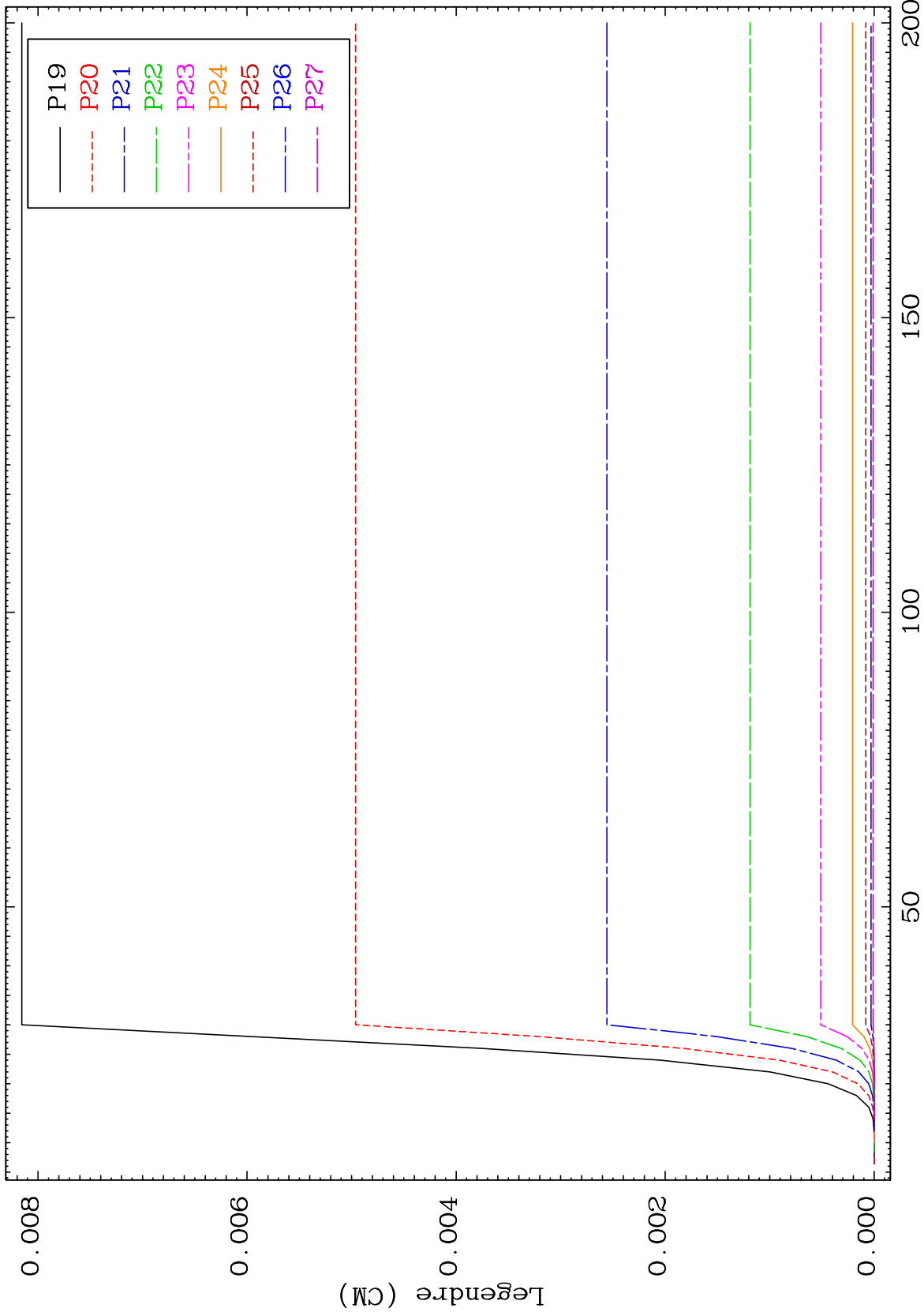
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



29

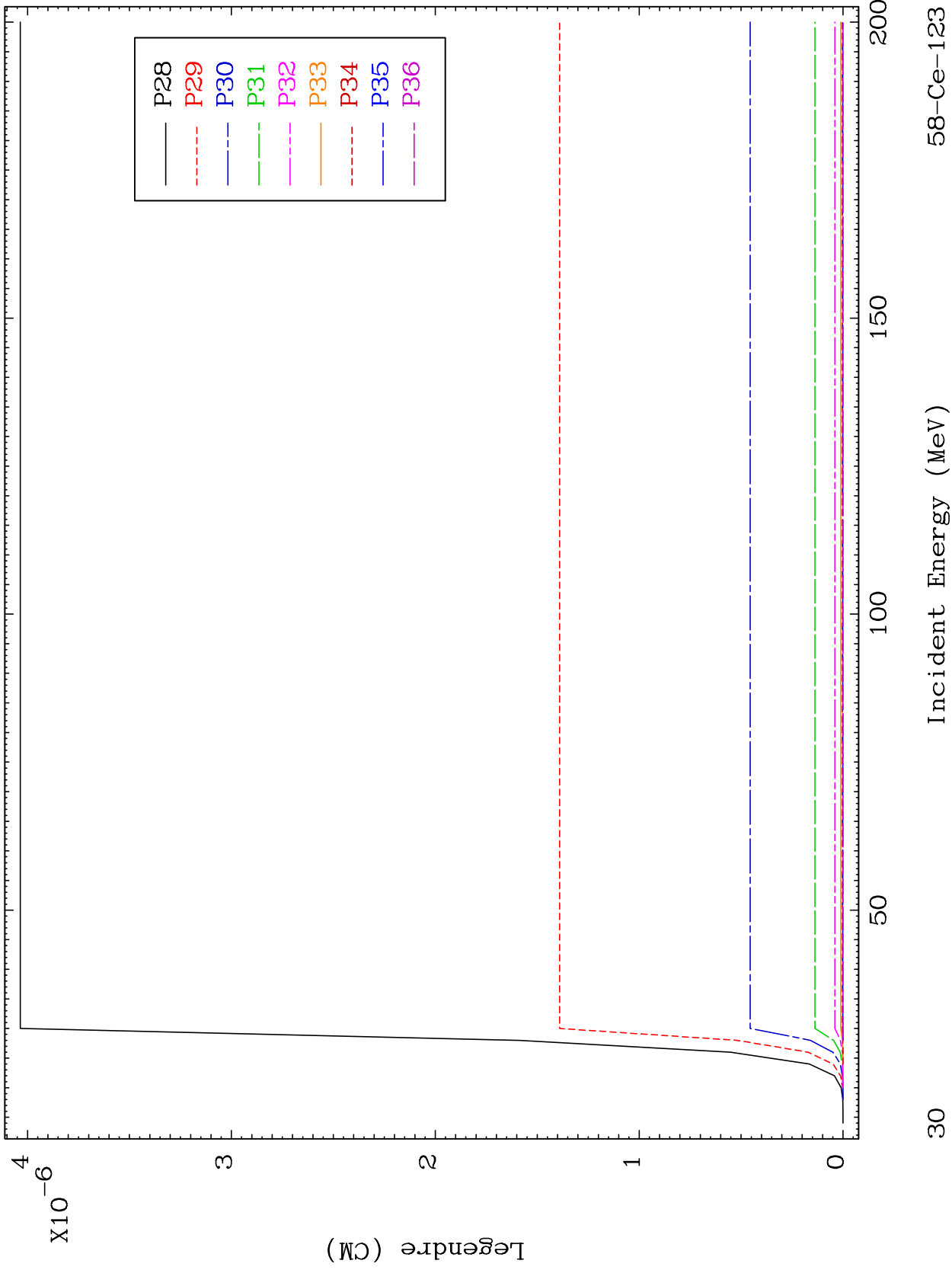
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

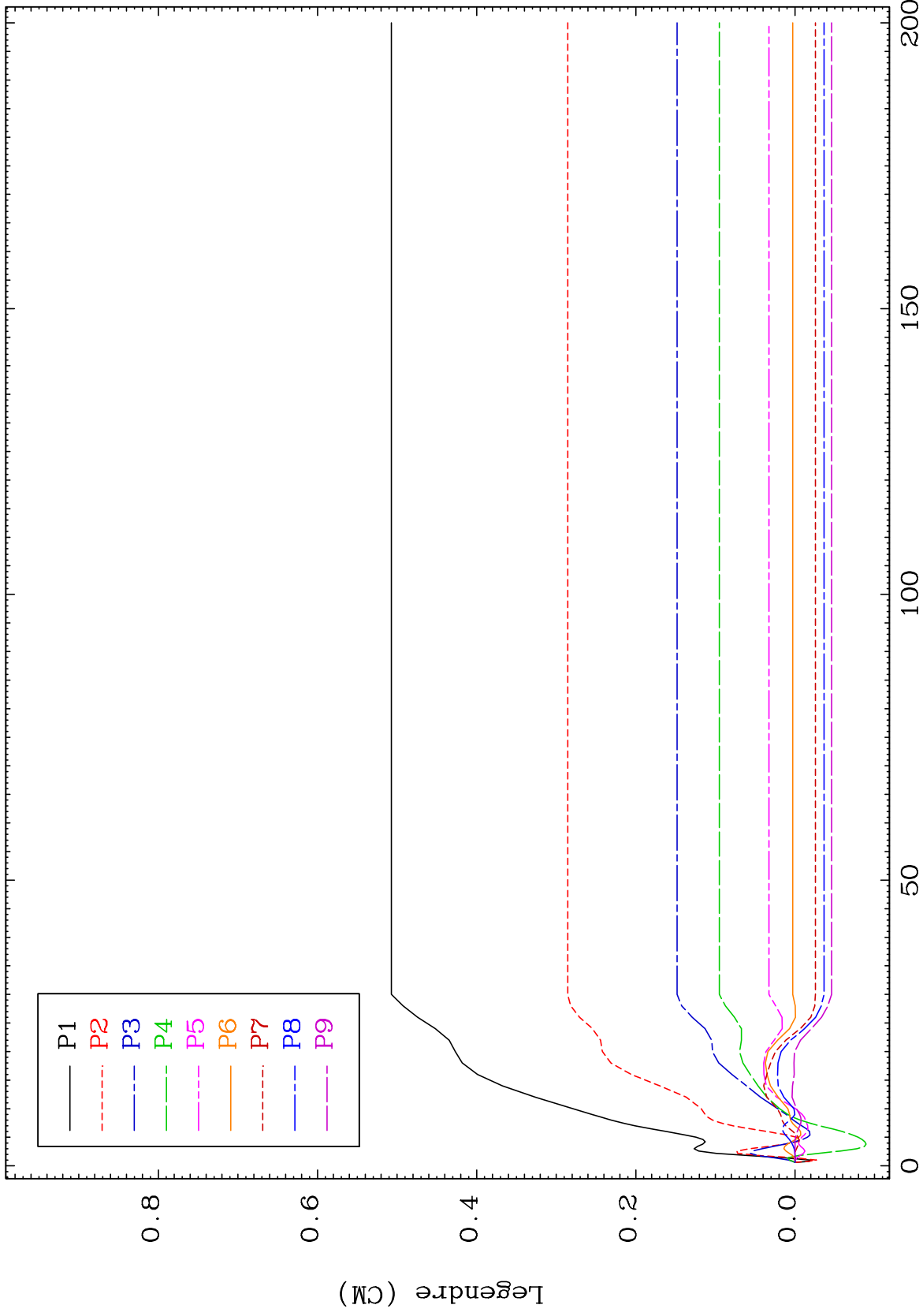
58-Ce-123



MAT 5786

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

58-Ce-123



31

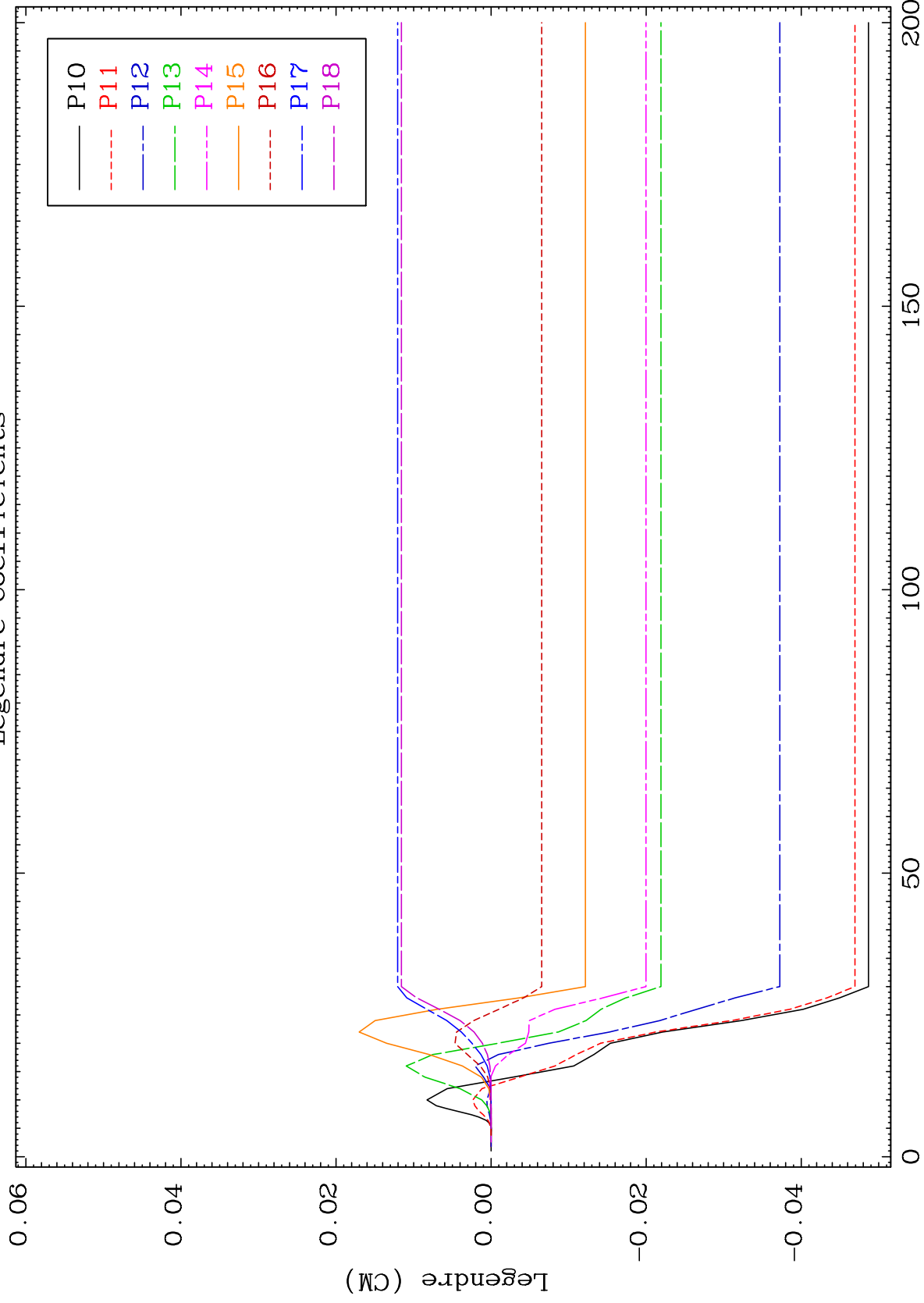
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



32

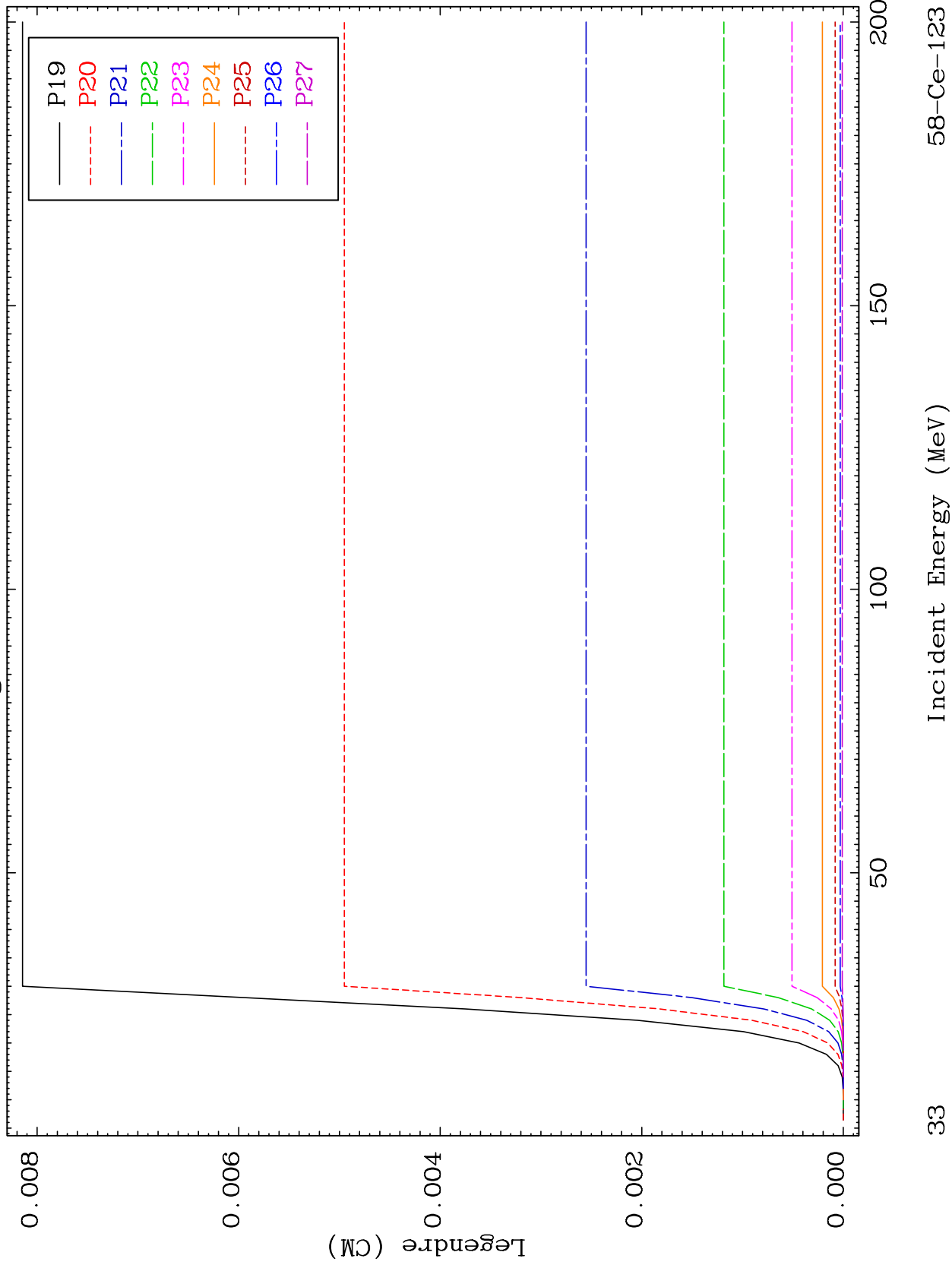
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



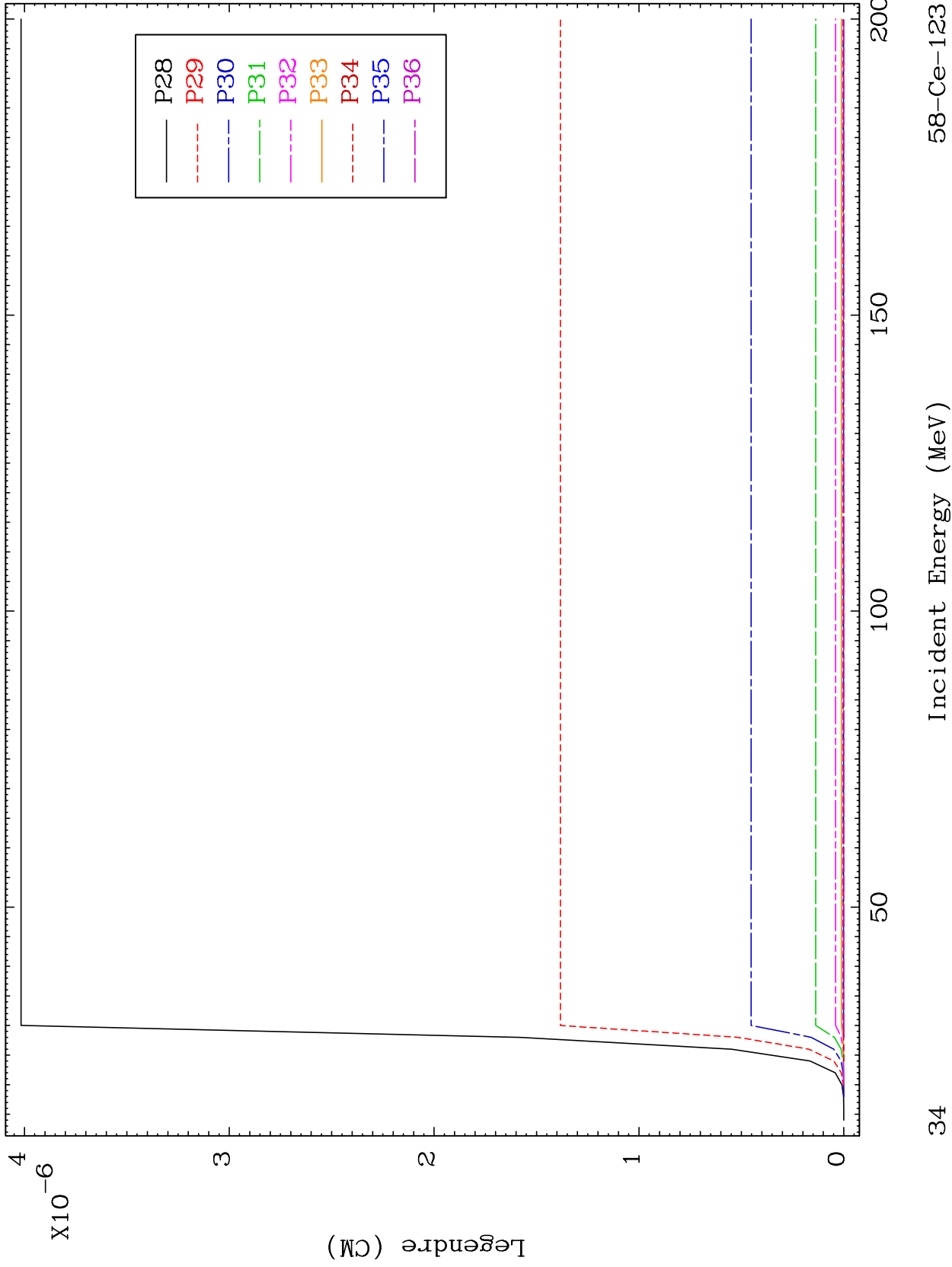
33

58-Ce-123

MAT 5786

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

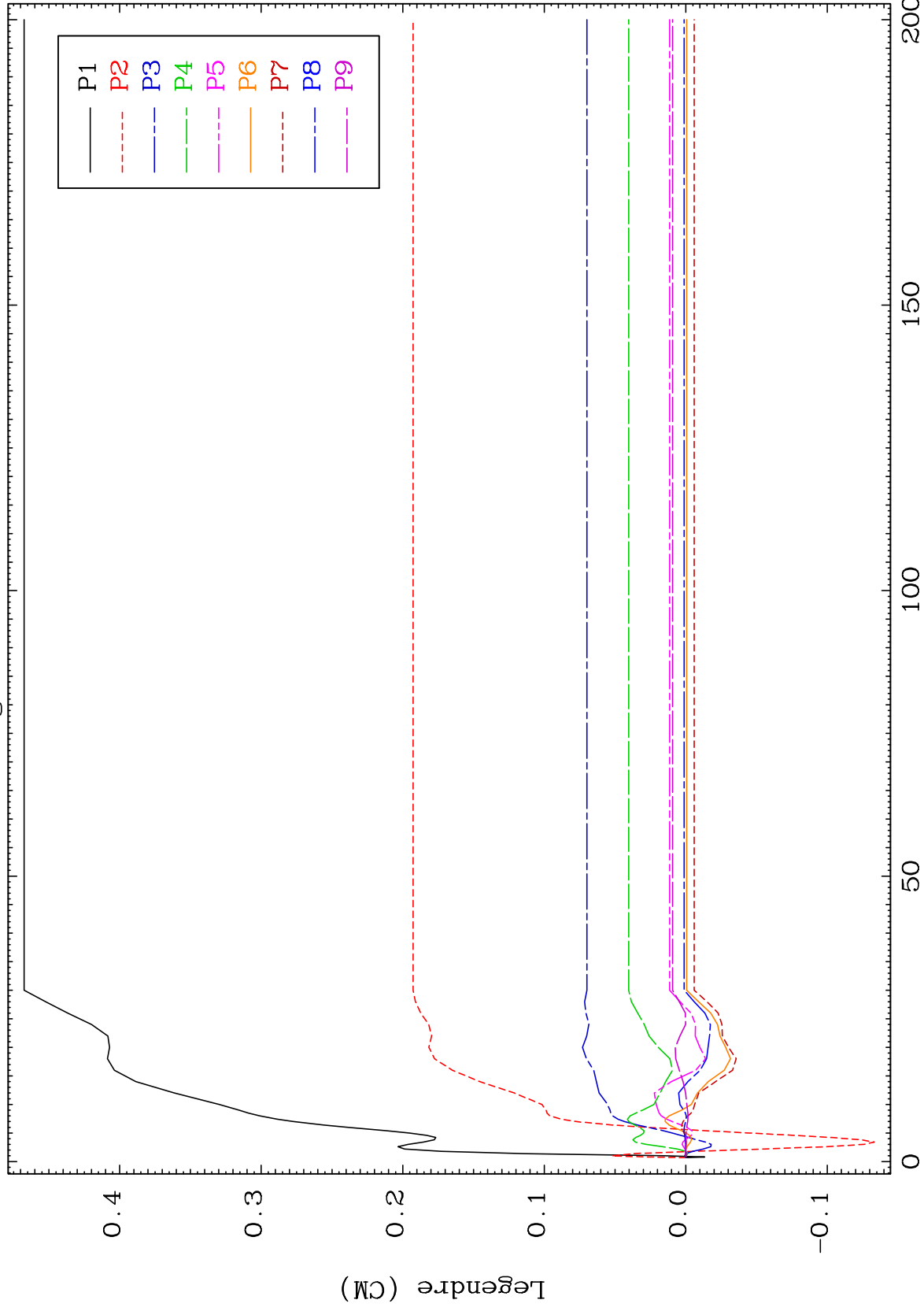
58-Ce-123



MAT 5786

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

58-Ce-123



58-Ce-123

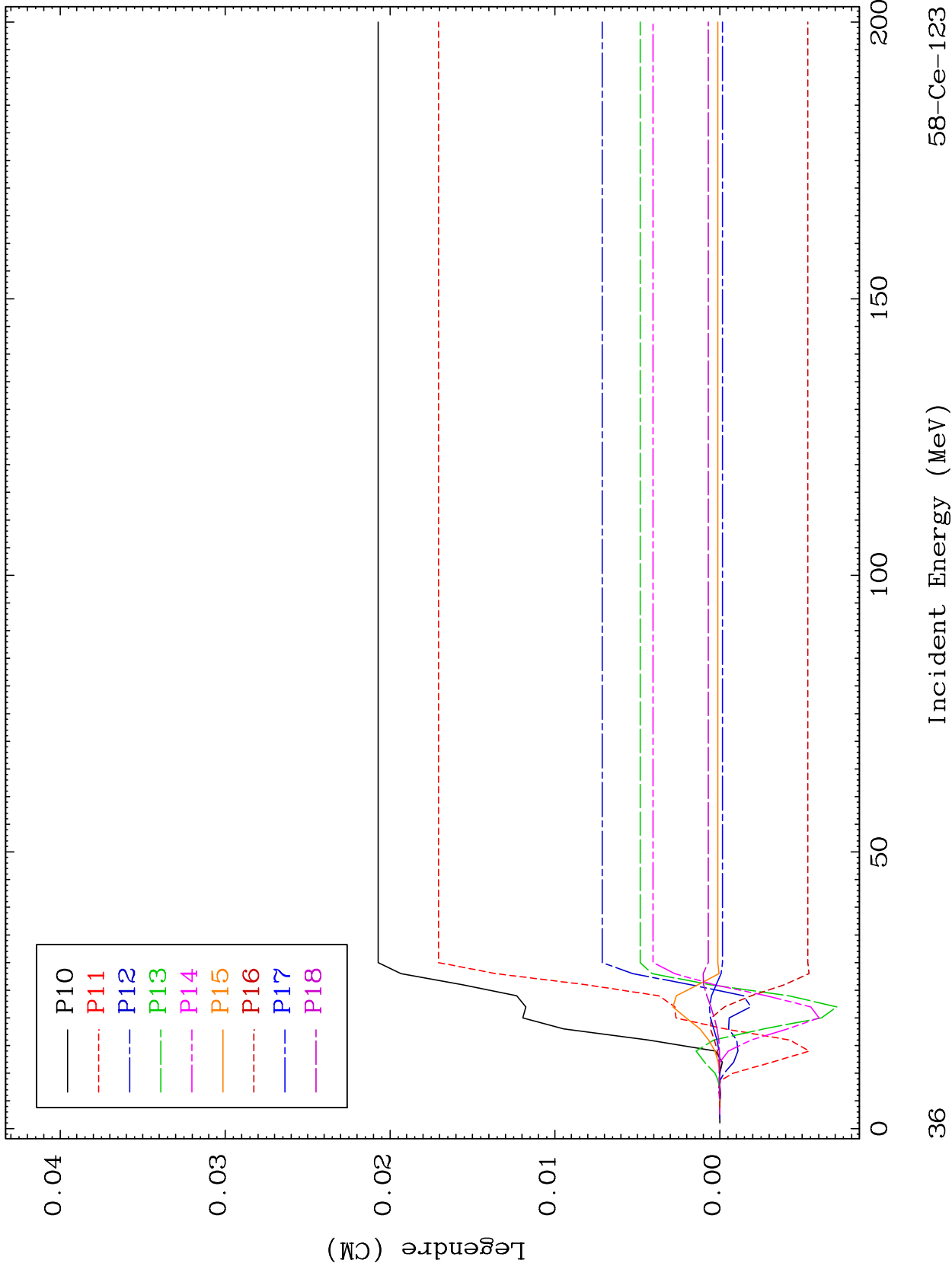
Incident Energy (MeV)

35

MAT 5786

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

58-Ce-123



36

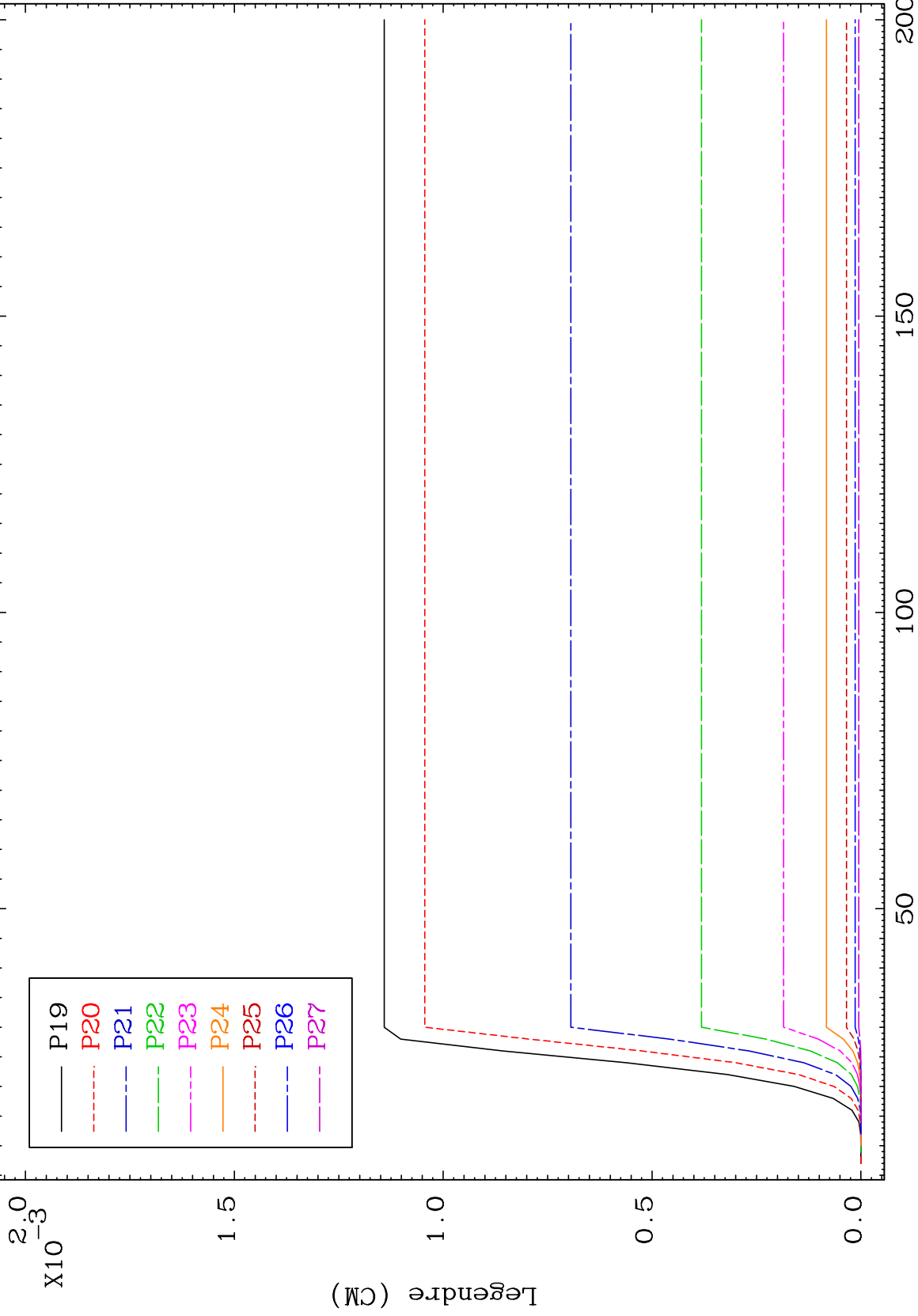
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



37

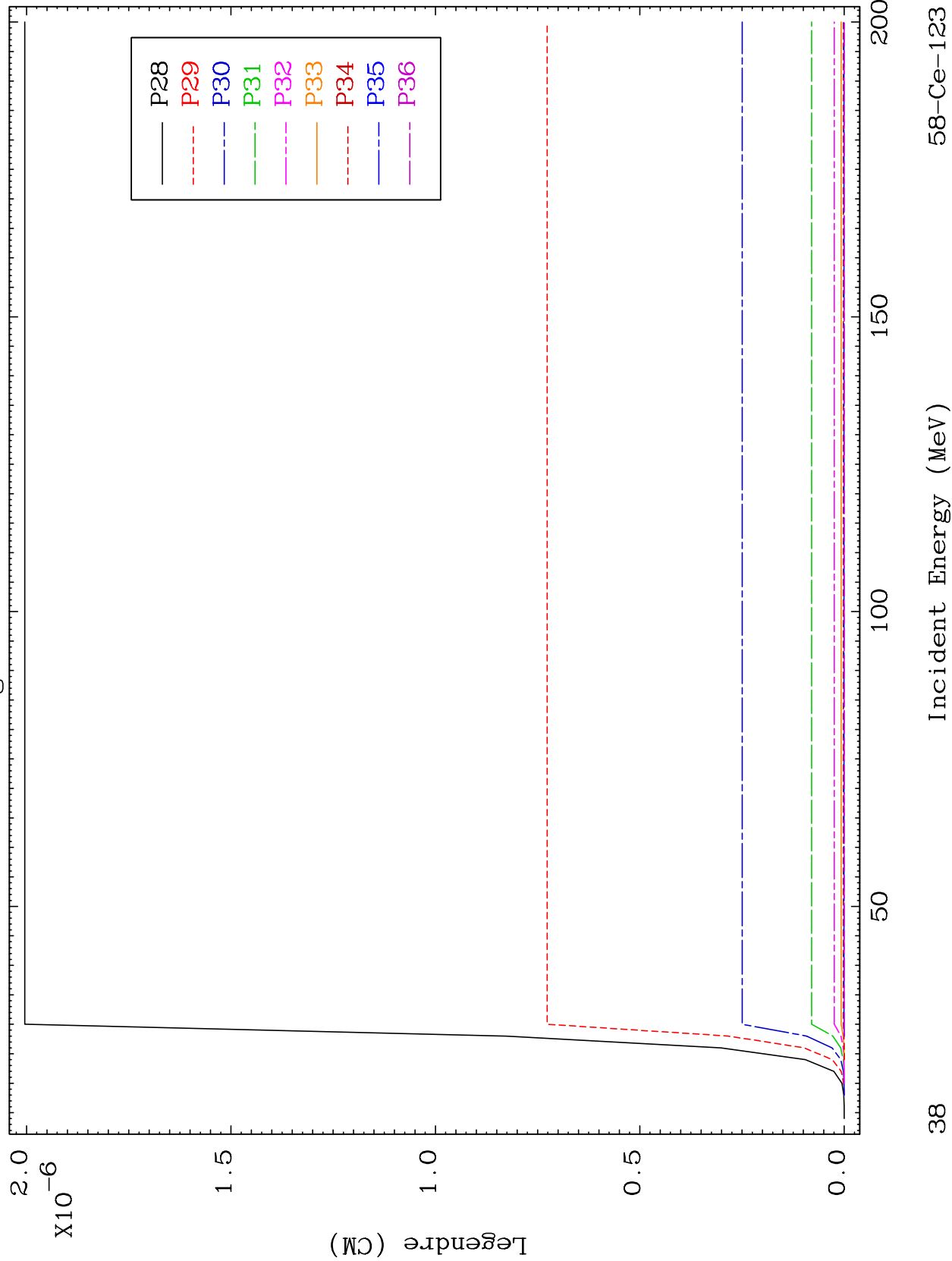
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



38

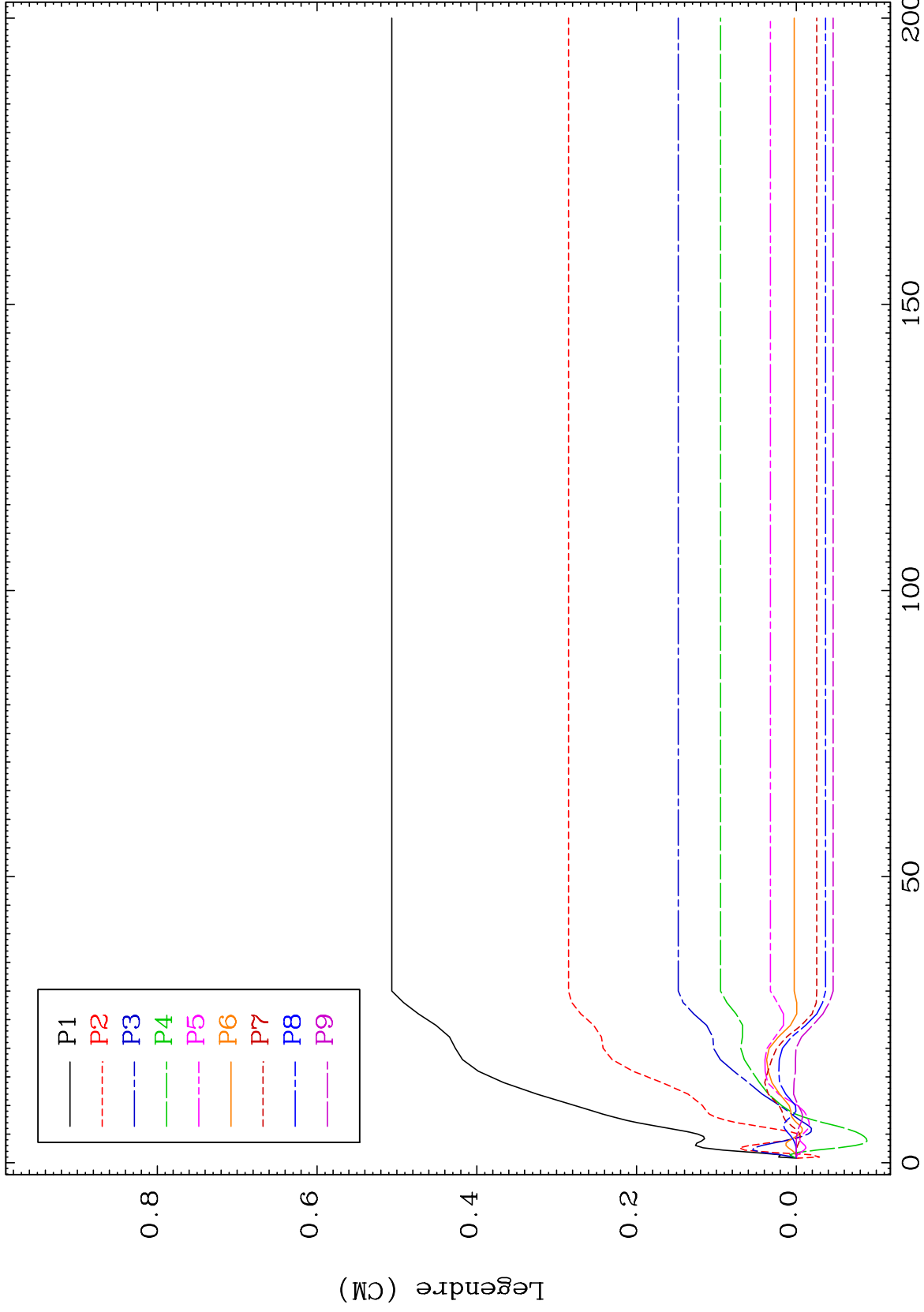
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

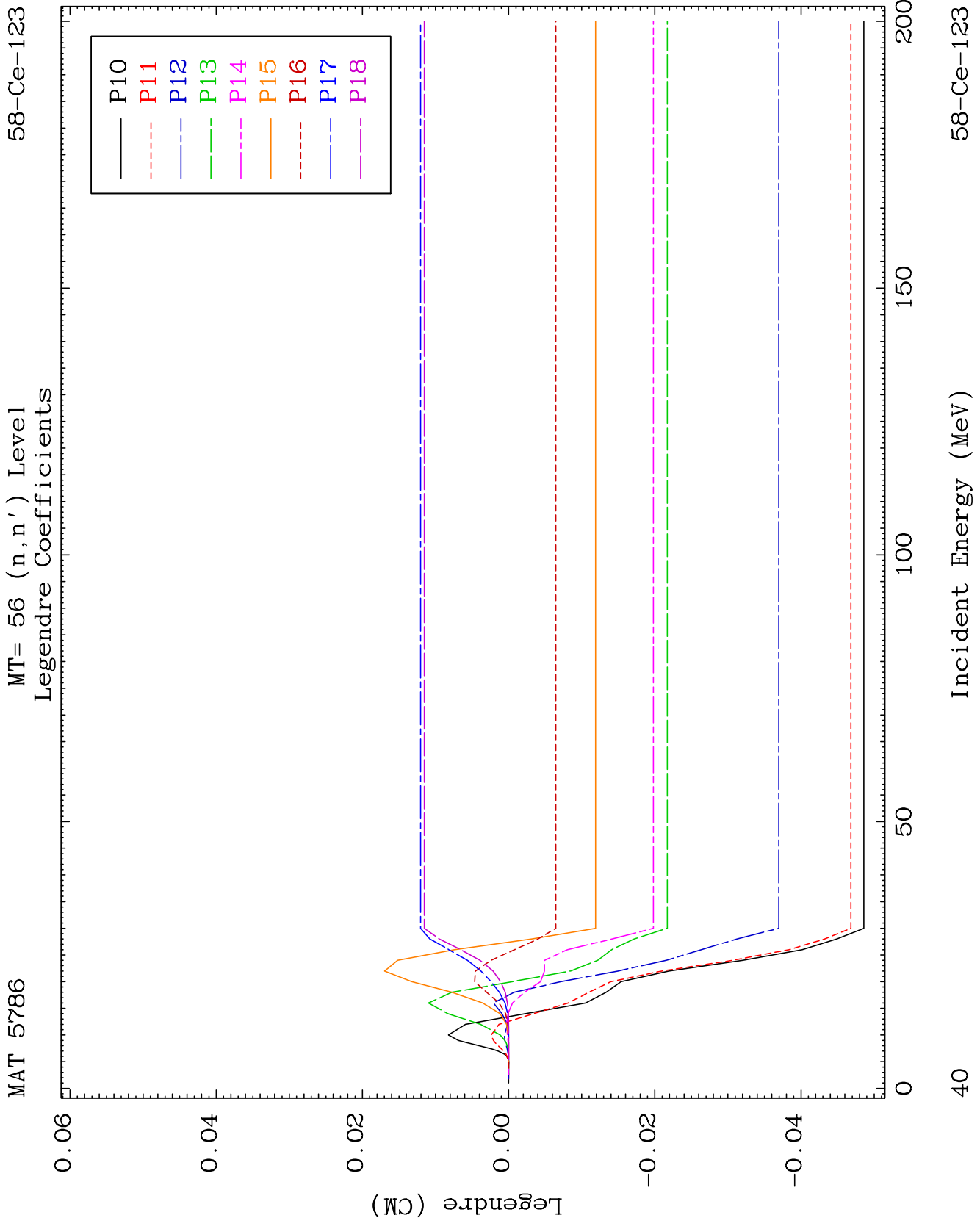
58-Ce-123



39

Incident Energy (MeV)

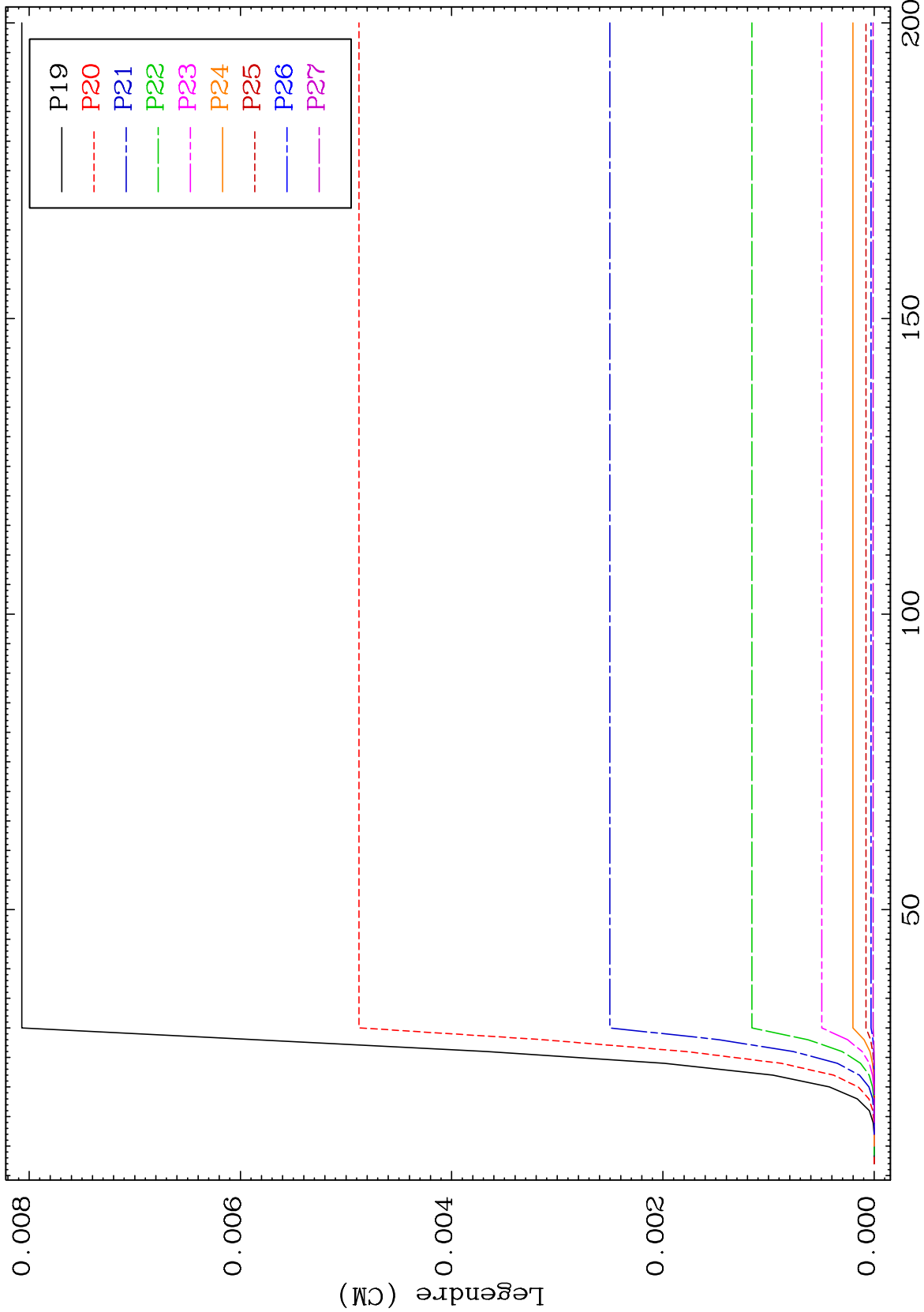
58-Ce-123



MAT 5786

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

58-Ce-123



41

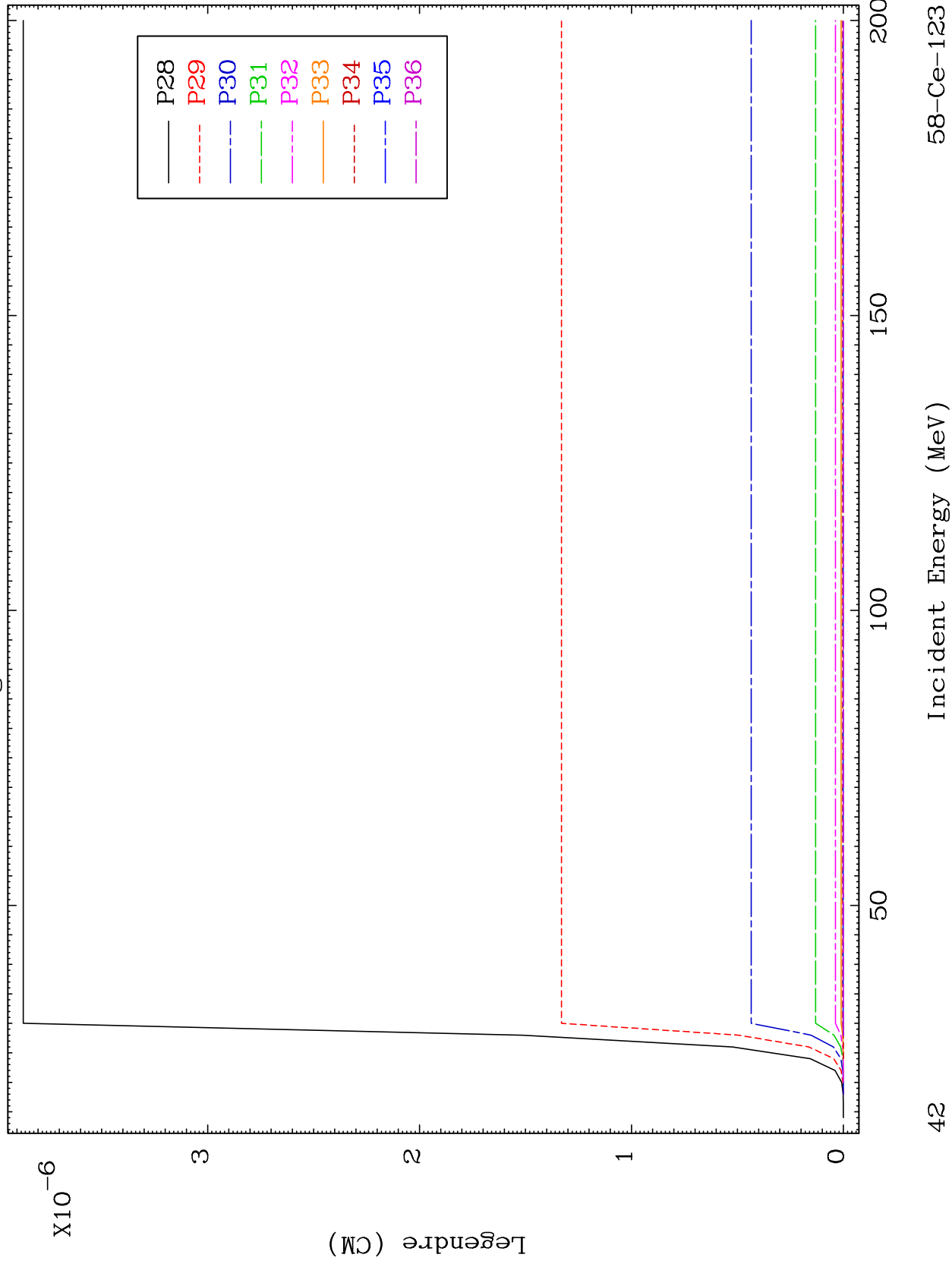
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123

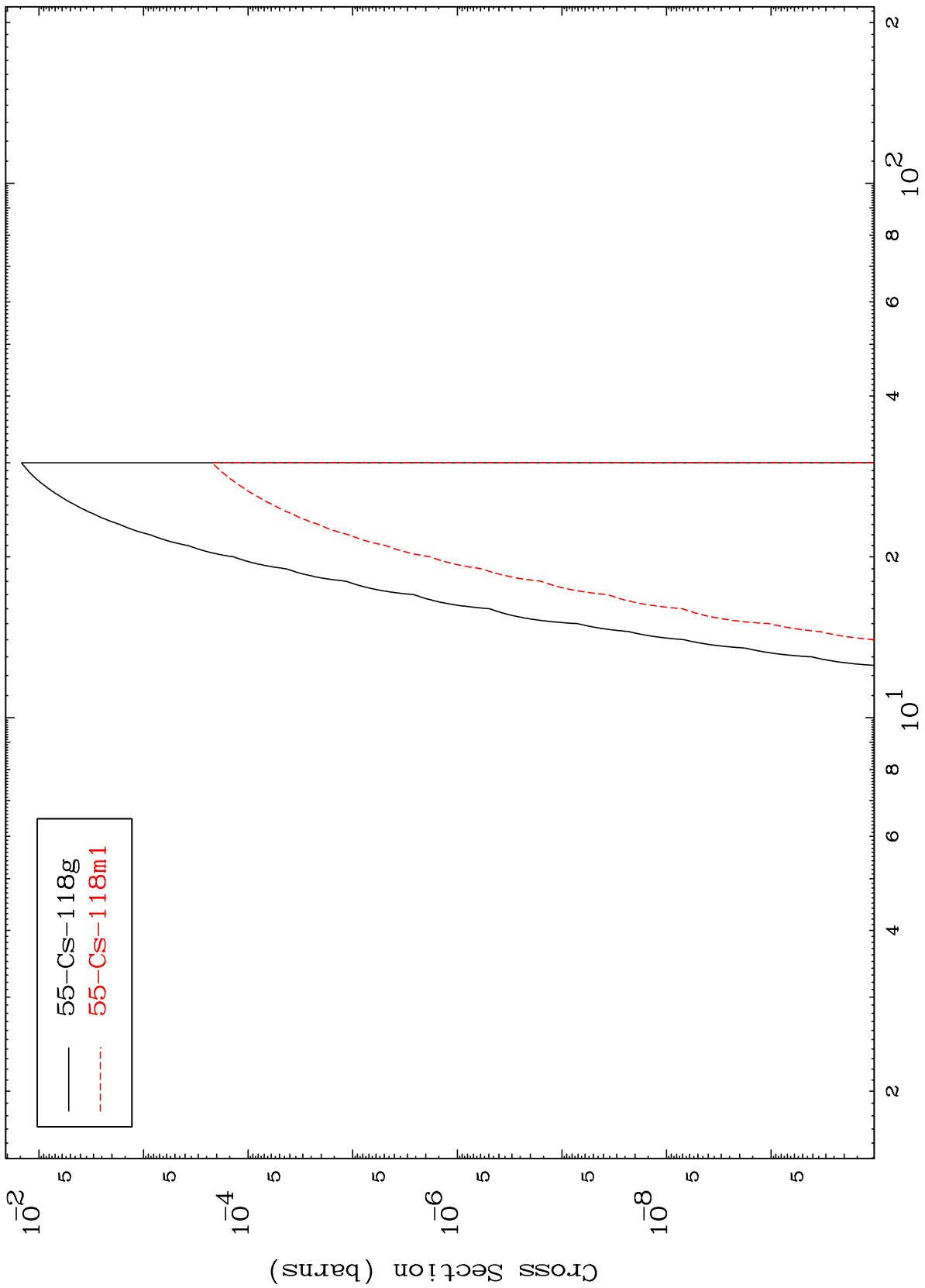


MAT 5786

(n,n') p α

58-Ce-123

Radionuclide Production Cross Section



55-Cs-118g
55-Cs-118m1

43

Incident Energy (MeV)

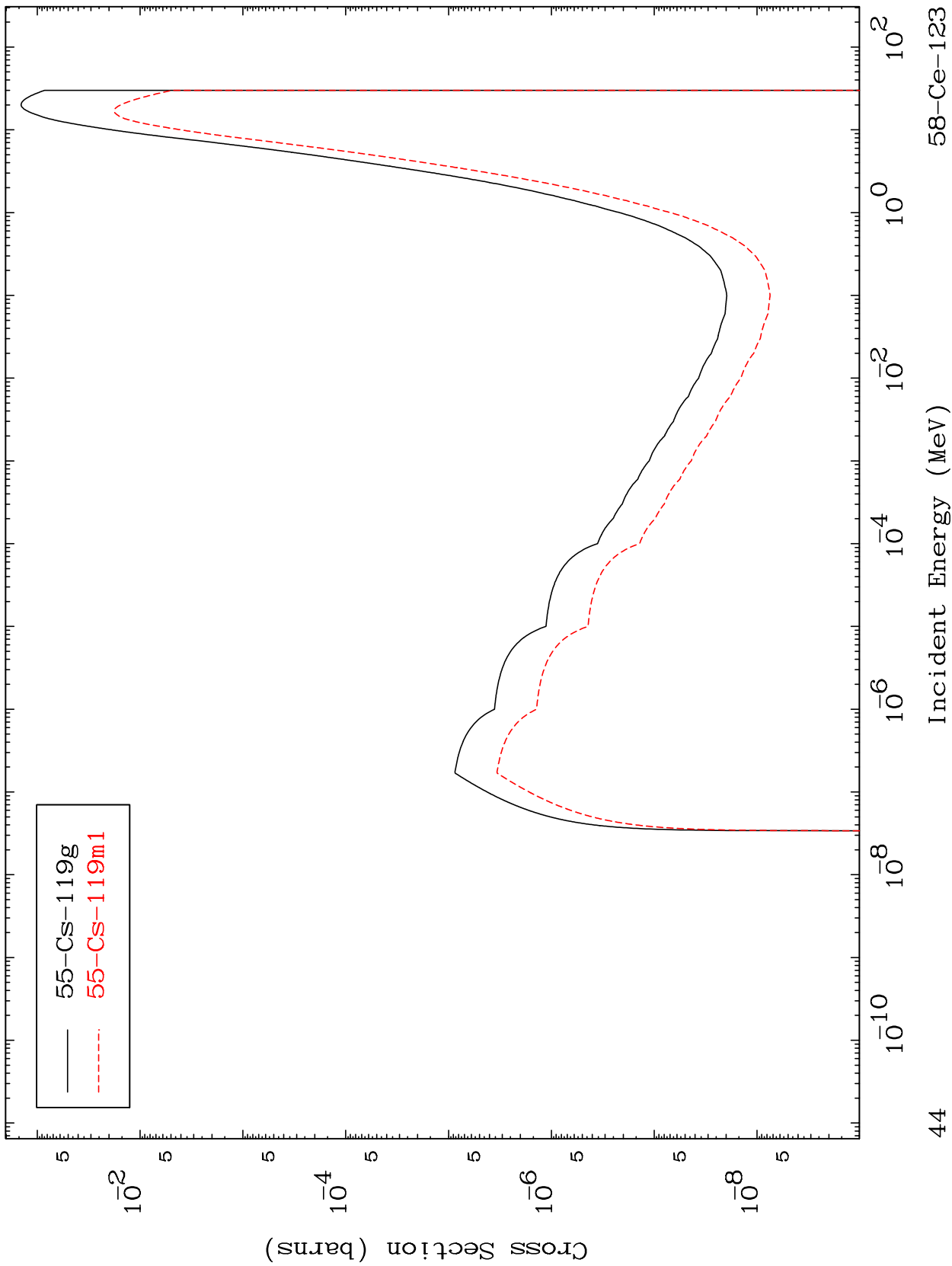
58-Ce-123

MAT 5786

(n,p) α

58-Ce-123

Radionuclide Production Cross Section



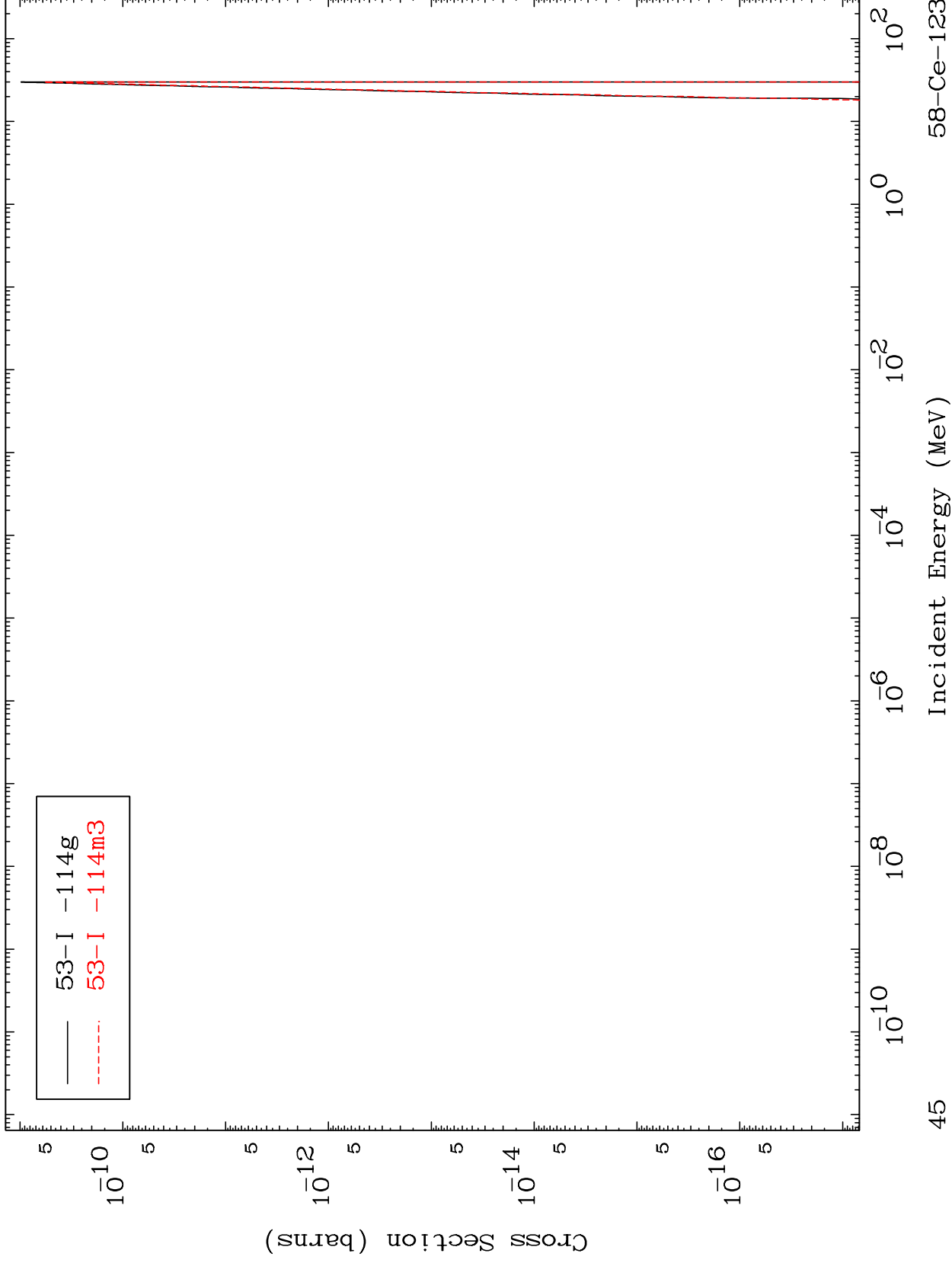
55-Cs-119g
55-Cs-119m1

MAT 5786

(n,d) 2 α

58-Ce-123

Radionuclide Production Cross Section



45

Incident Energy (MeV)

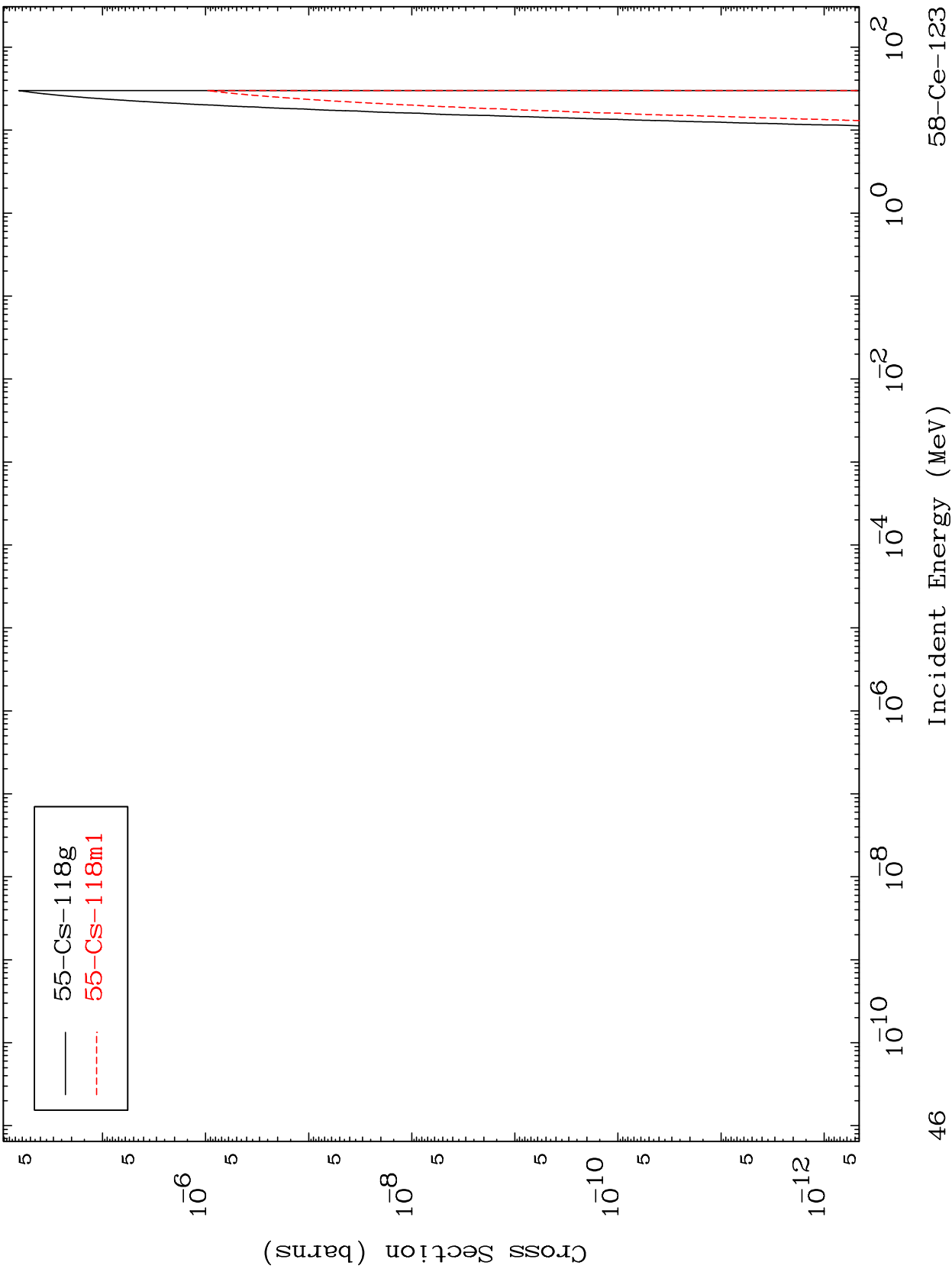
58-Ce-123

MAT 5786

(n,d) α

58-Ce-123

Radionuclide Production Cross Section



46

58-Ce-123