

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

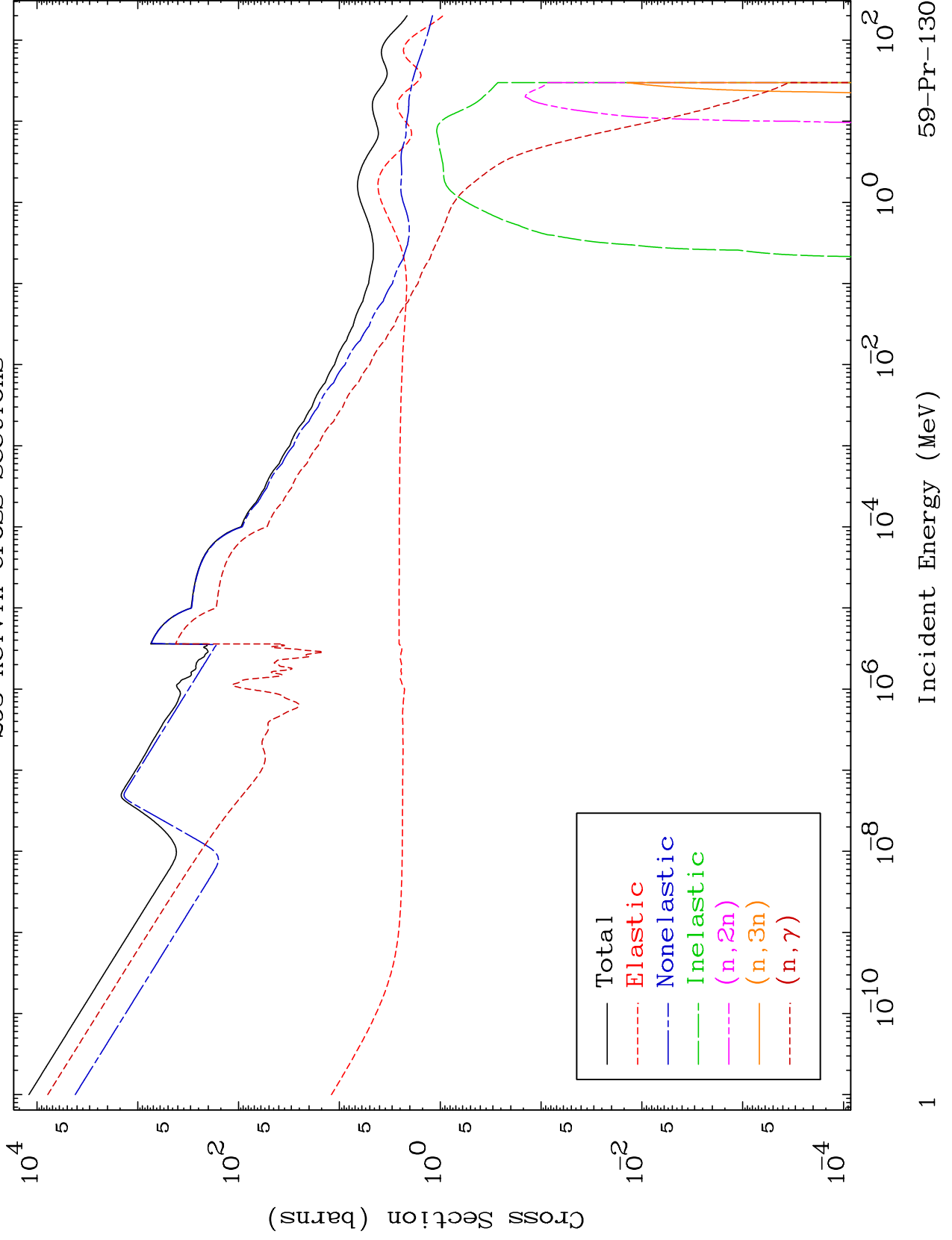
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5892

Neutron Major
293 Kelvin Cross Sections

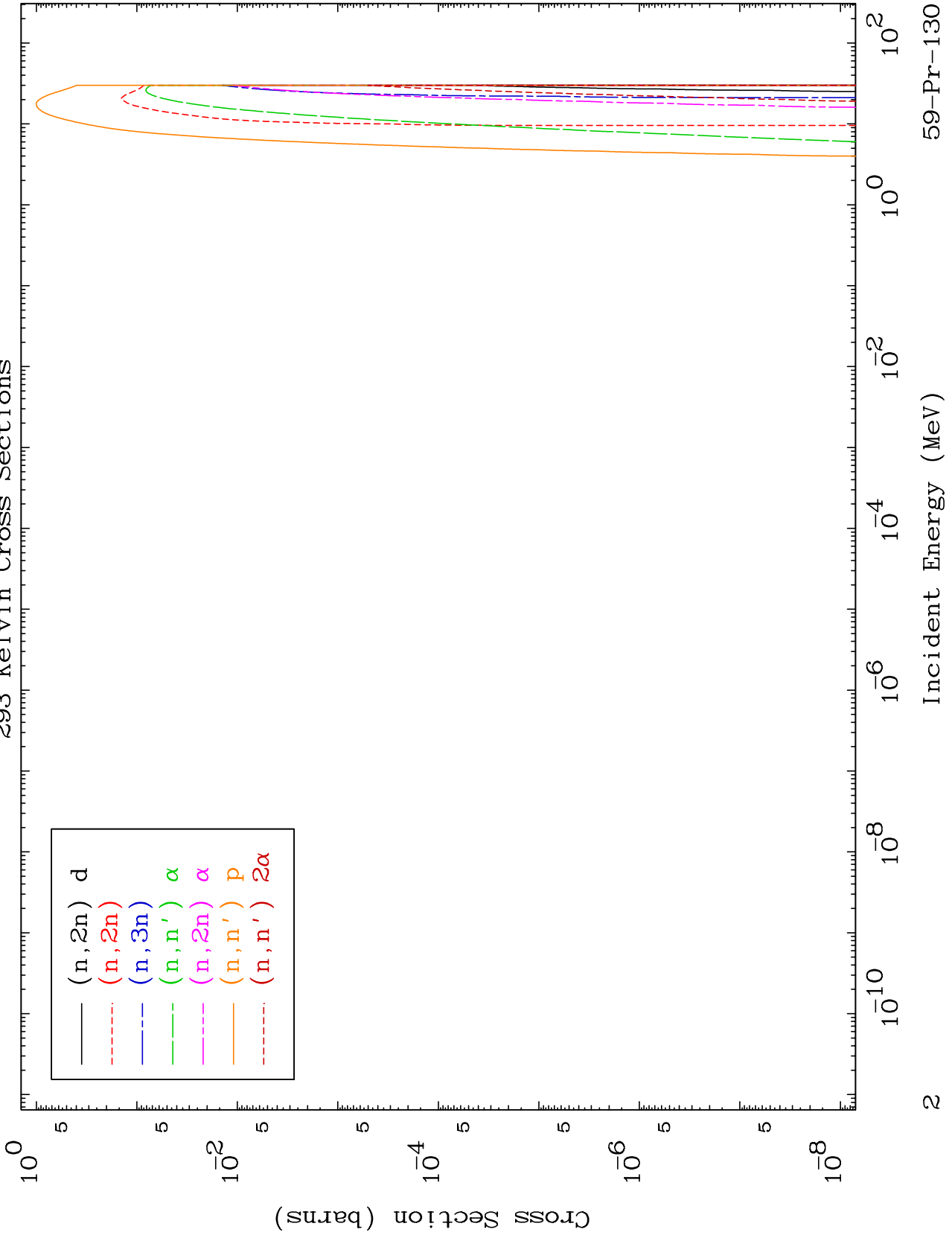
59-Pr-130



MAT 5892

Neutron Absorption
293 Kelvin Cross Sections

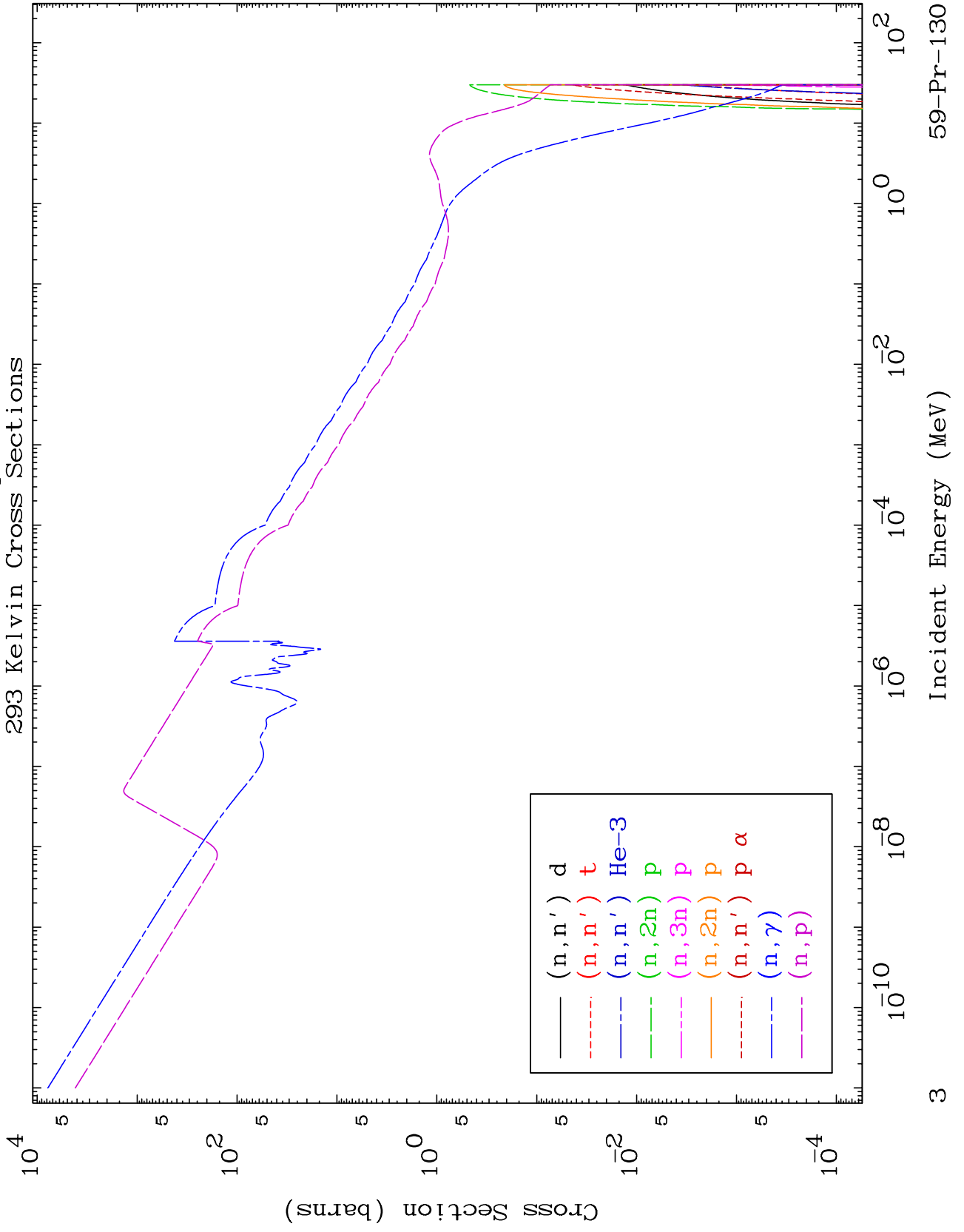
59-Pr-130



MAT 5892

Neutron Absorption
293 Kelvin Cross Sections

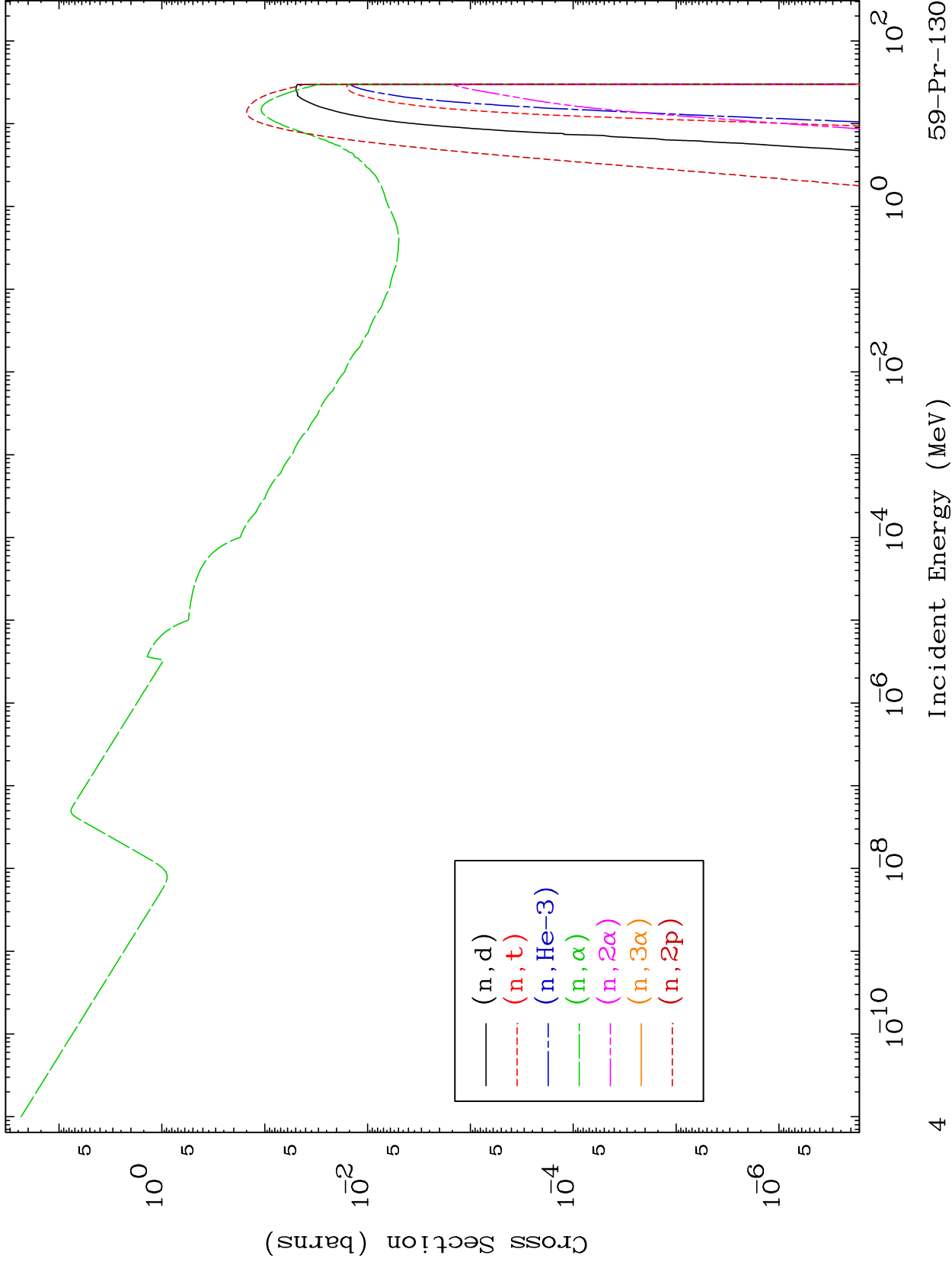
59-Pr-130



MAT 5892

Neutron Absorption
293 Kelvin Cross Sections

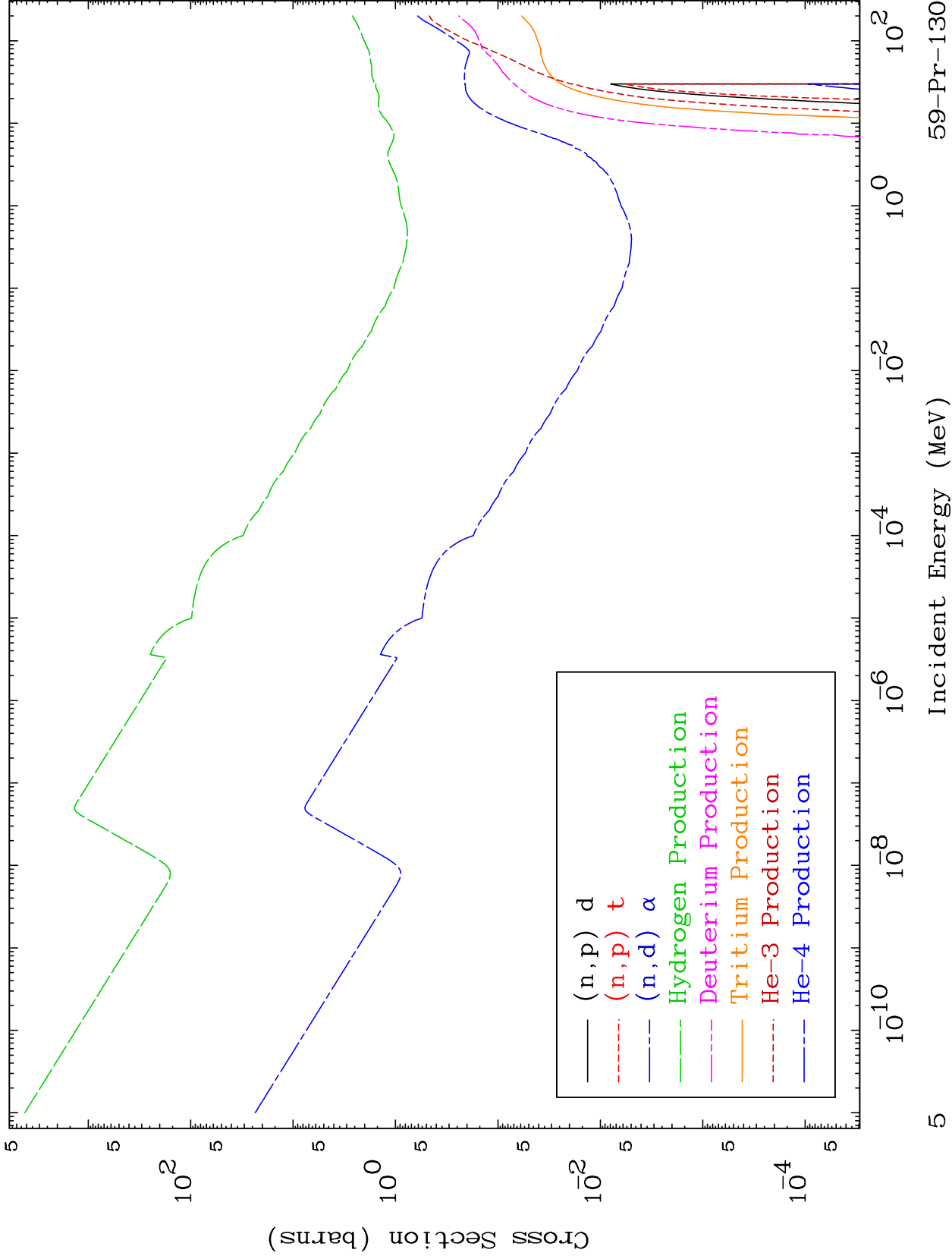
59-Pr-130



MAT 5892

Neutron Absorption
293 Kelvin Cross Sections

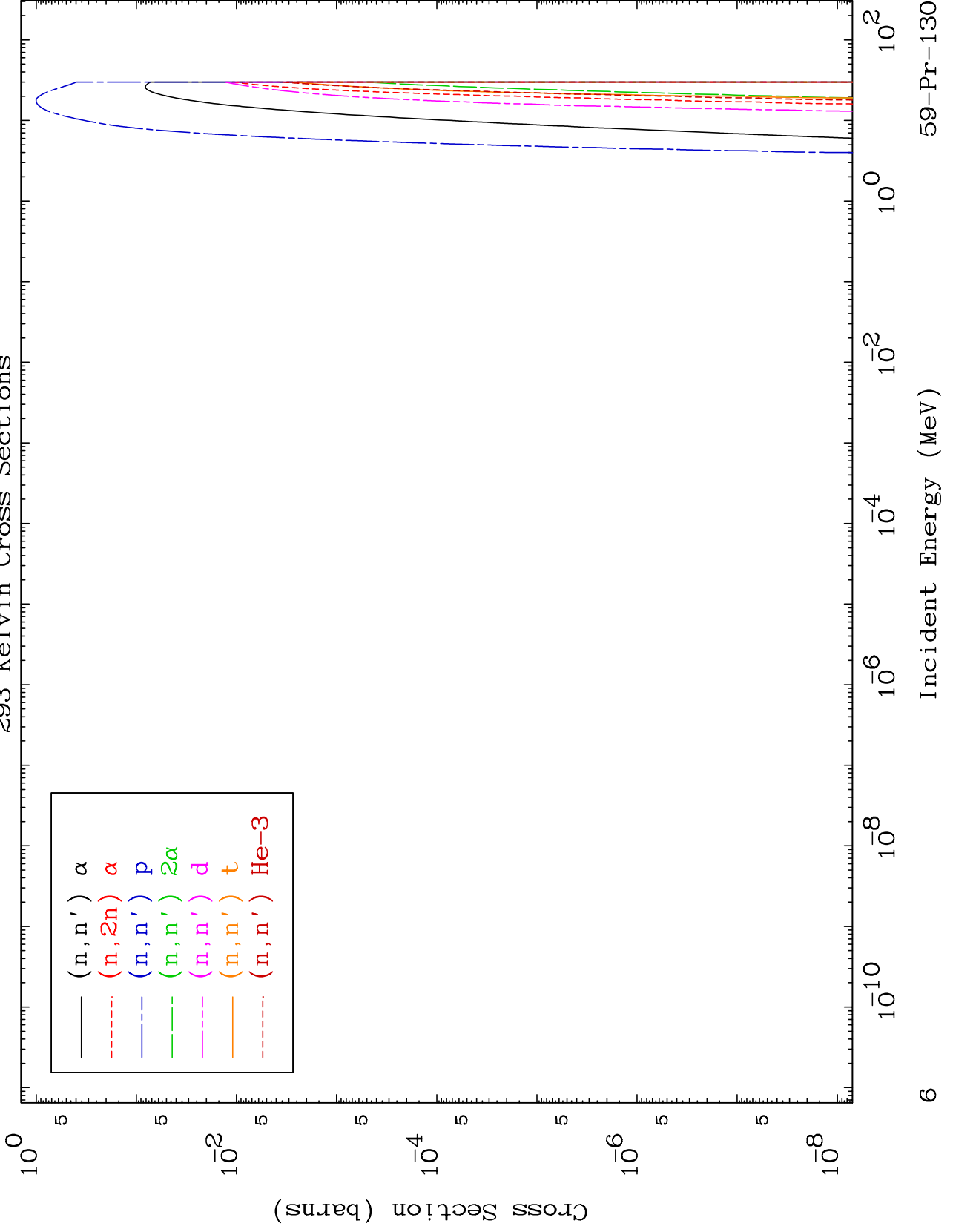
59-Pr-130



MAT 5892

Charged Particle
293 Kelvin Cross Sections

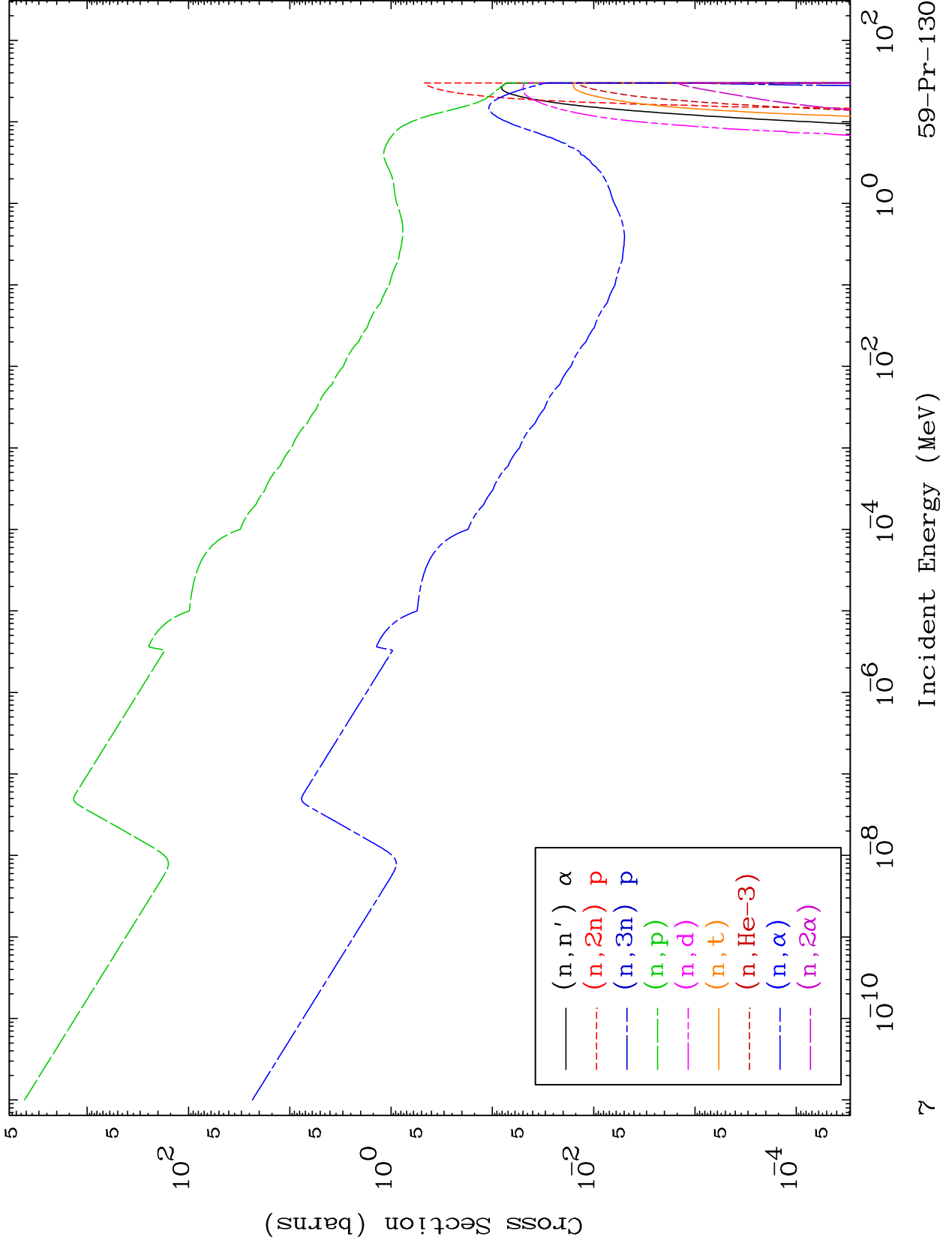
59-Pr-130



MAT 5892

Charged Particle
293 Kelvin Cross Sections

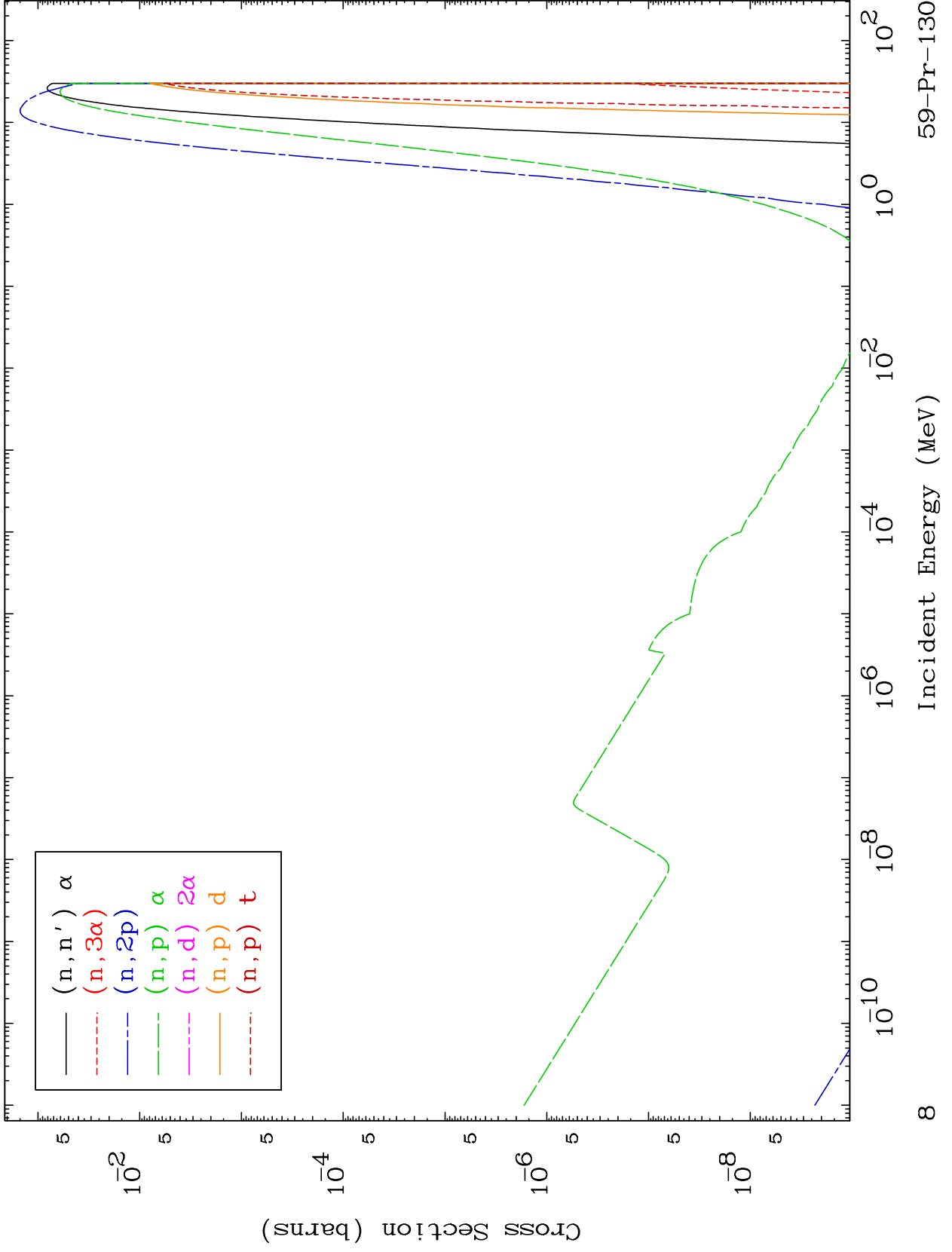
59-Pr-130

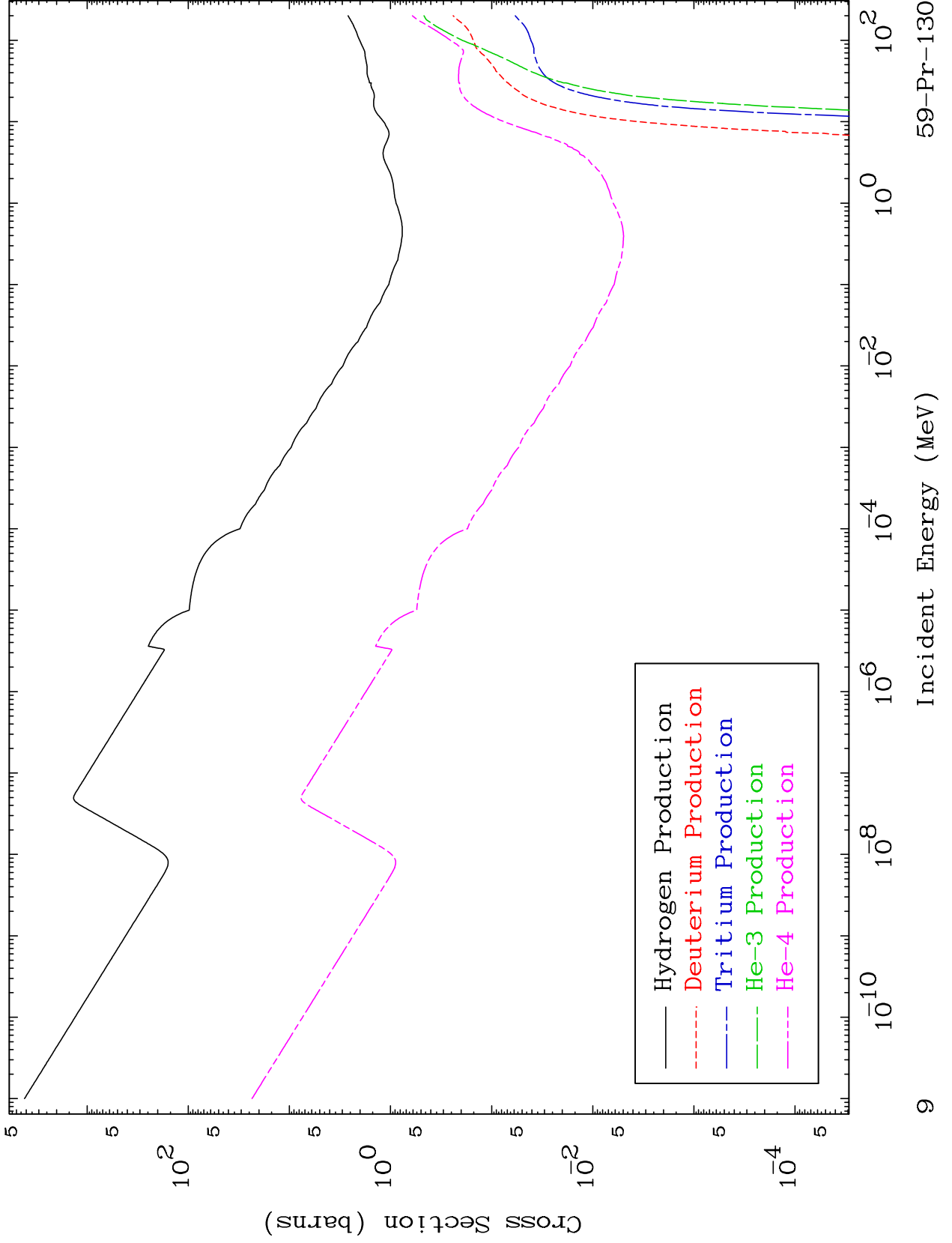


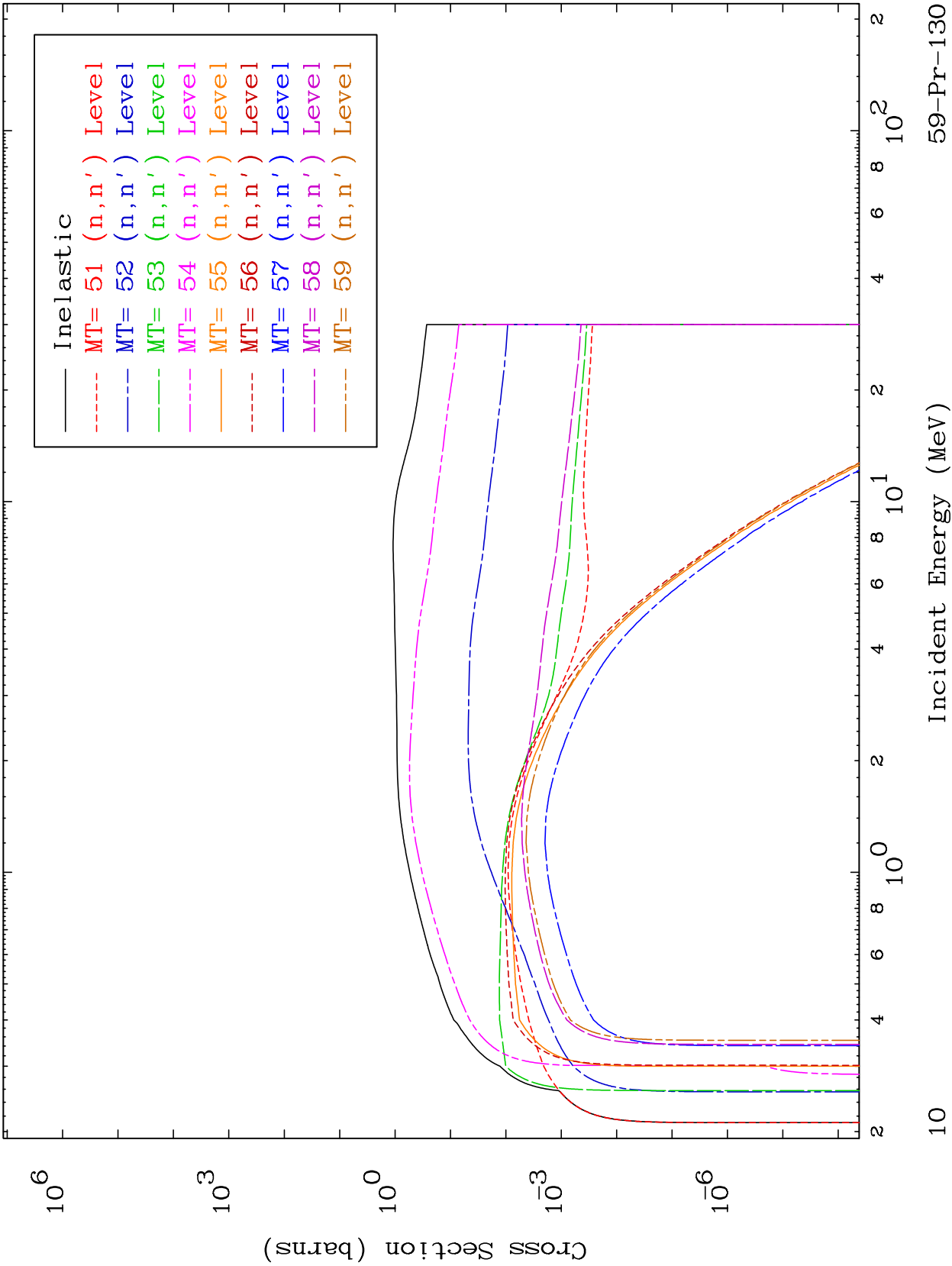
MAT 5892

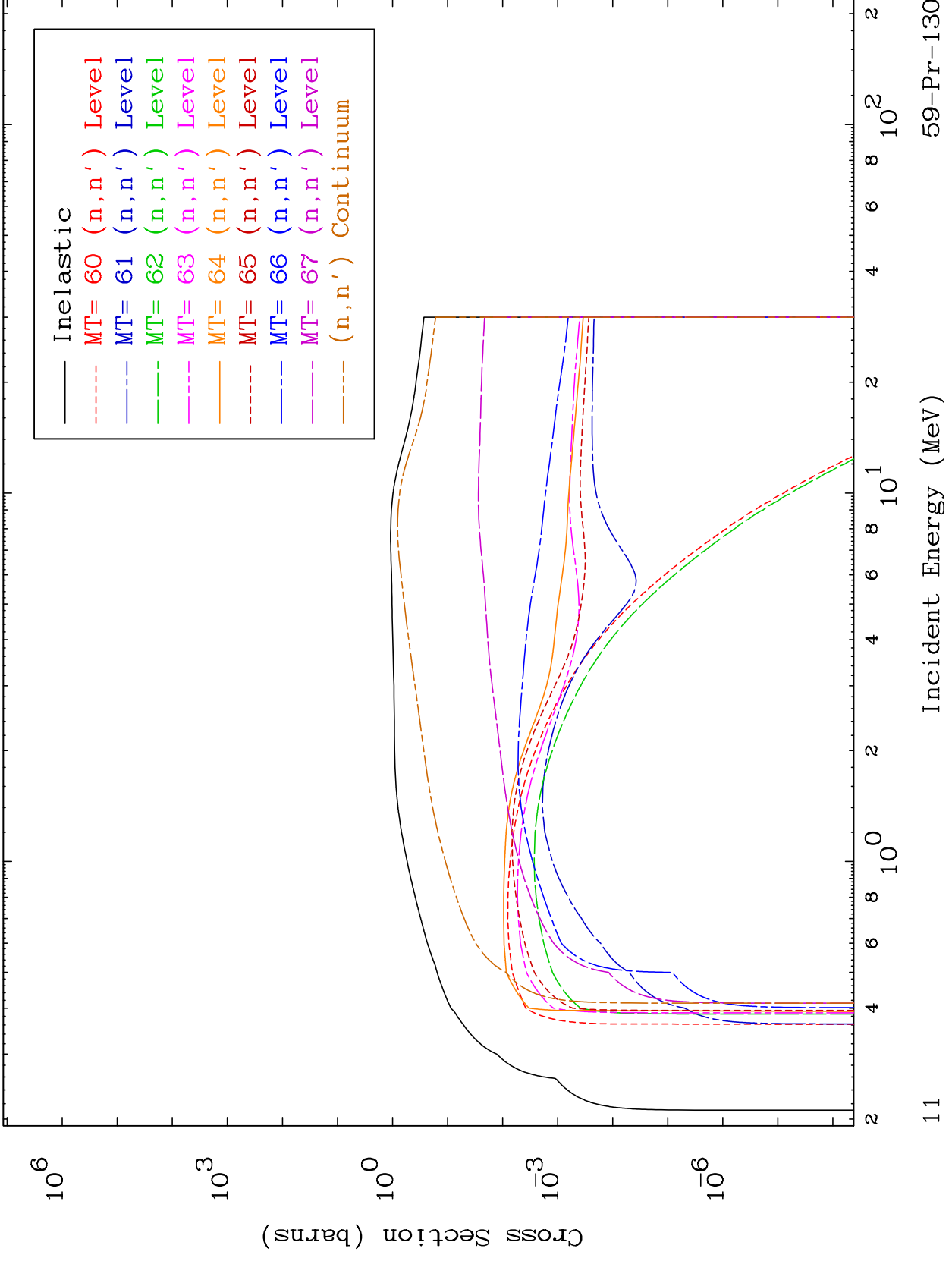
Charged Particle
293 Kelvin Cross Sections

59-Pr-130





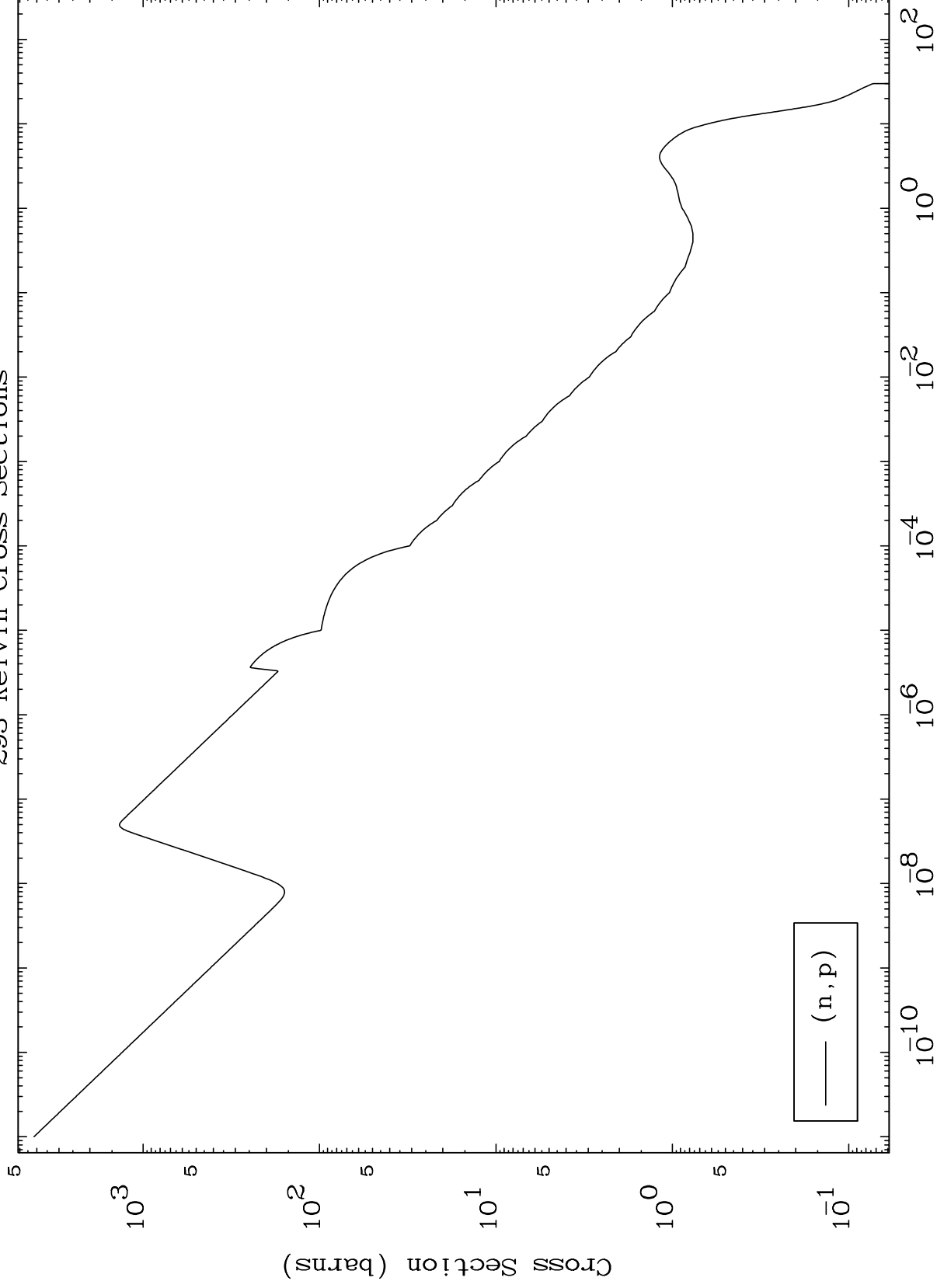




MAT 5892

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-130



12

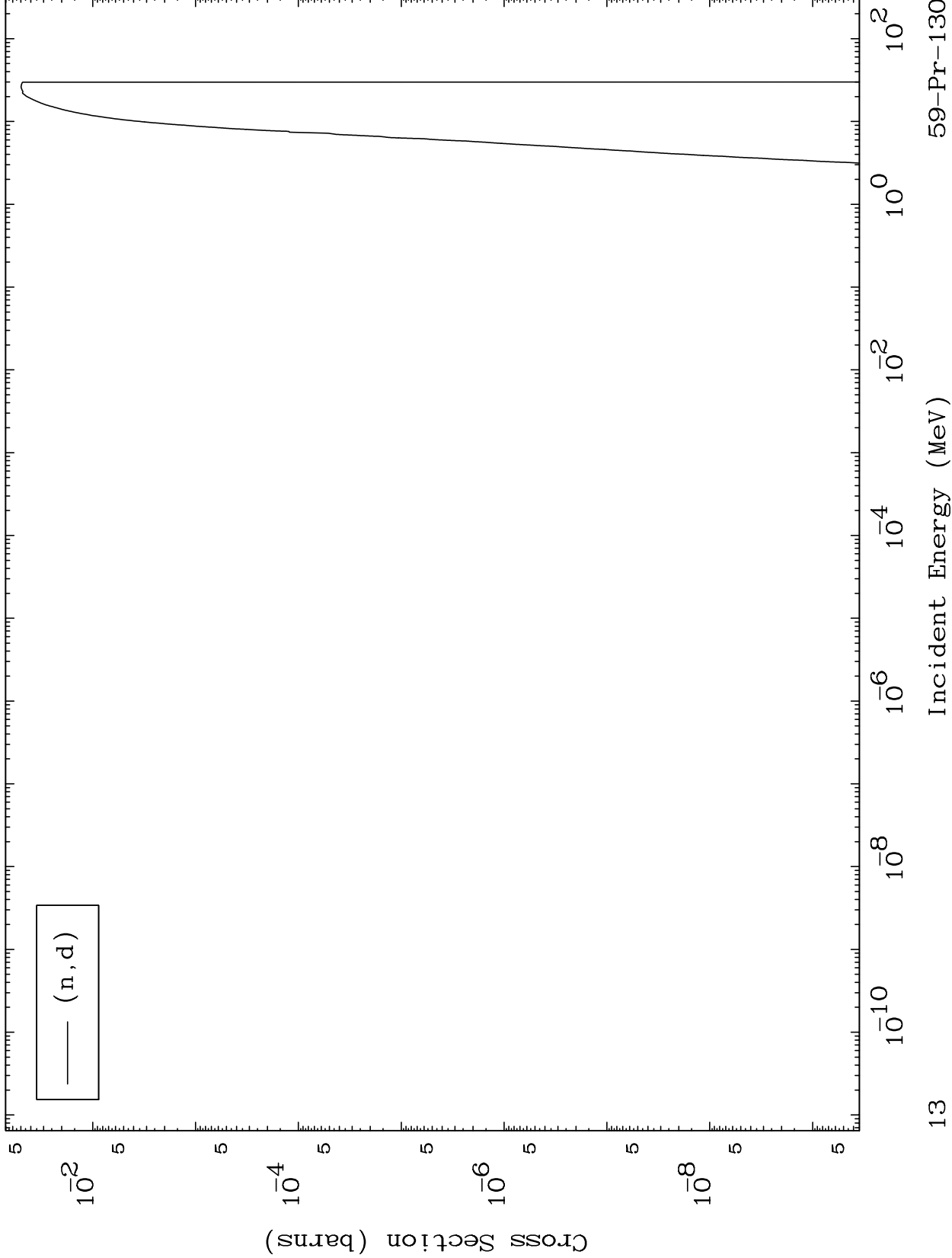
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,d) Levels
293 Kelvin Cross Sections

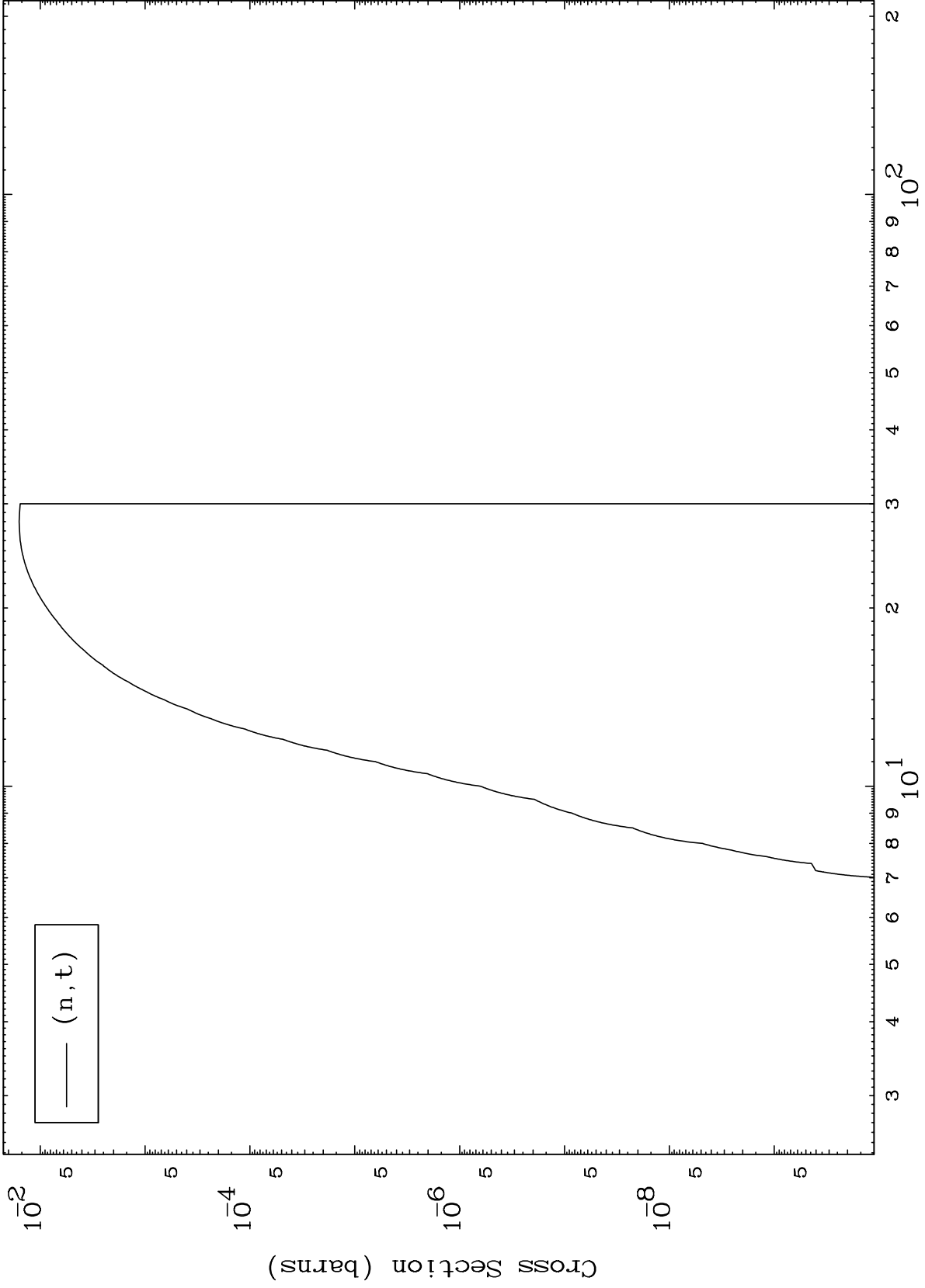
59-Pr-130



MAT 5892

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-130



14

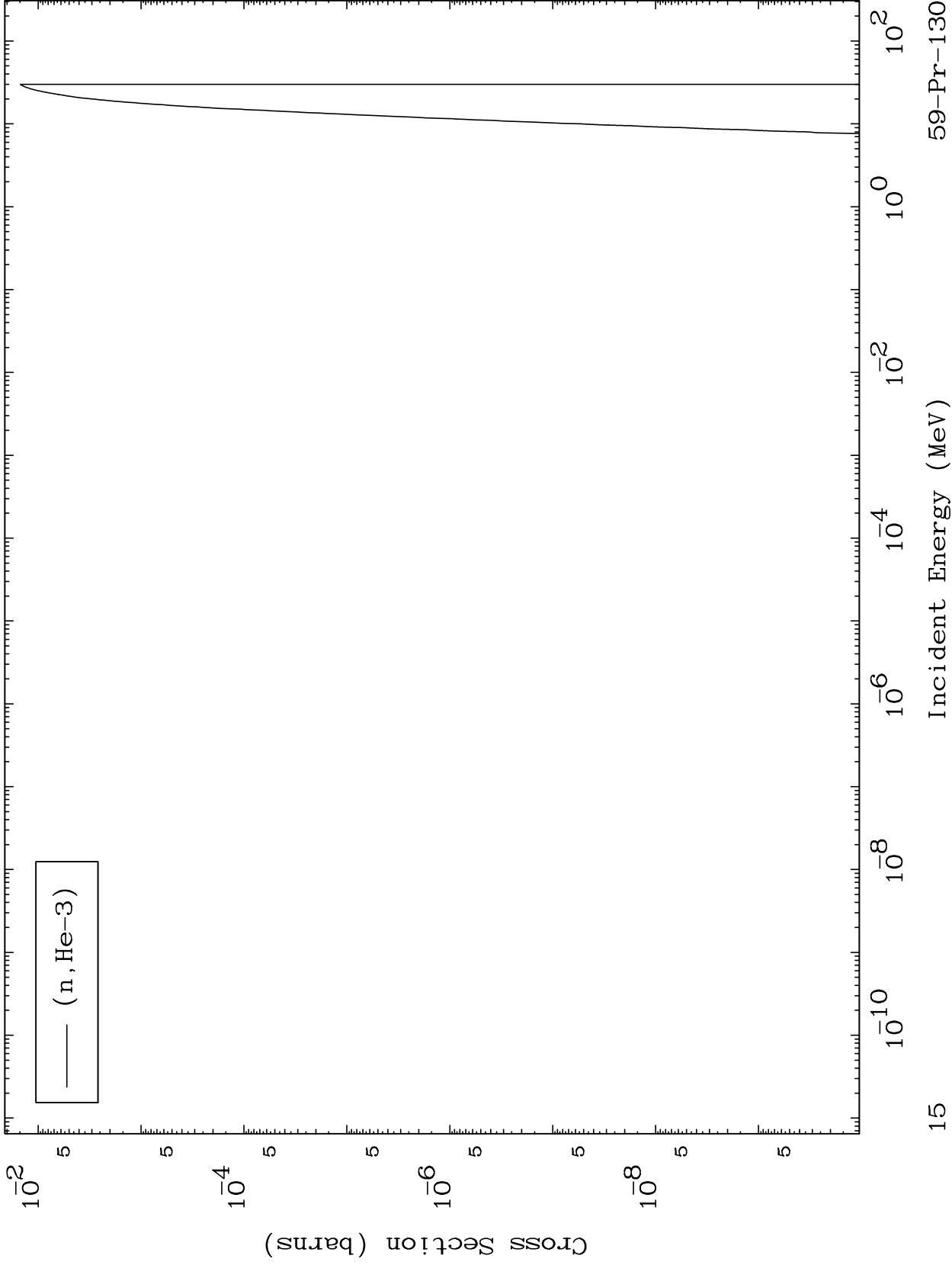
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,He3) Levels
293 Kelvin Cross Sections

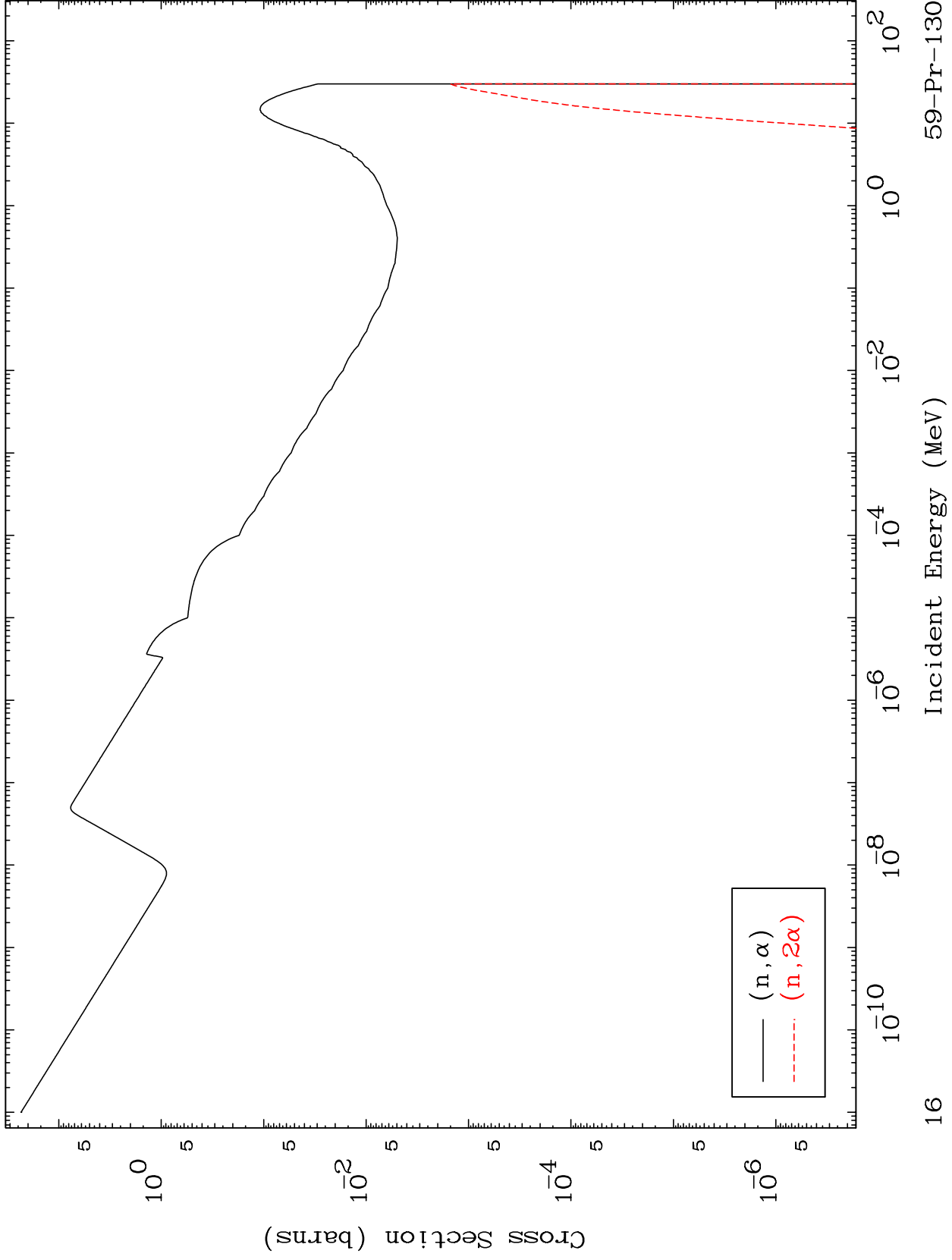
59-Pr-130



MAT 5892

(n, α) Levels
293 Kelvin Cross Sections

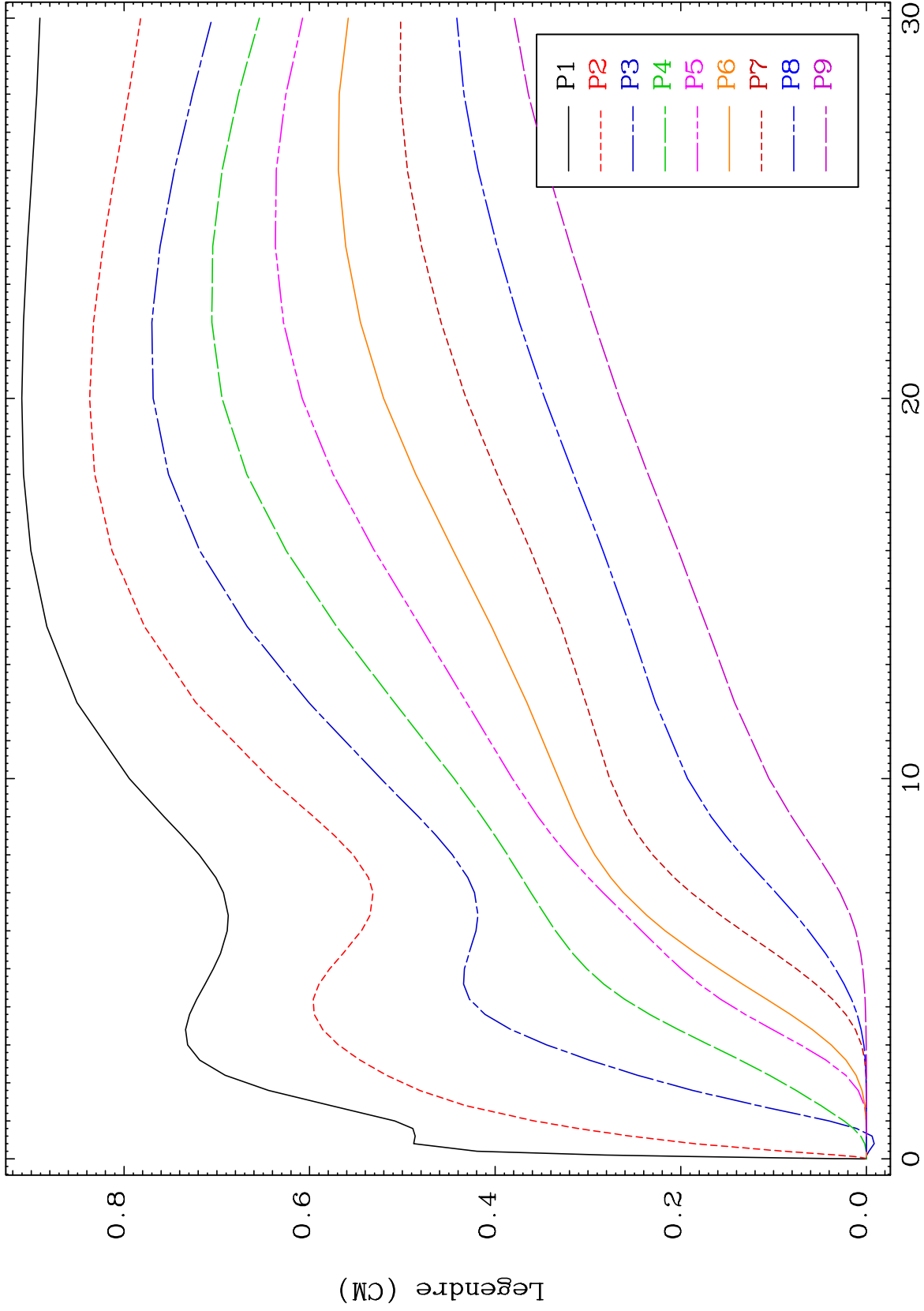
59-Pr-130



MAT 5892

Elastic Legendre Coefficients

59-Pr-130



17

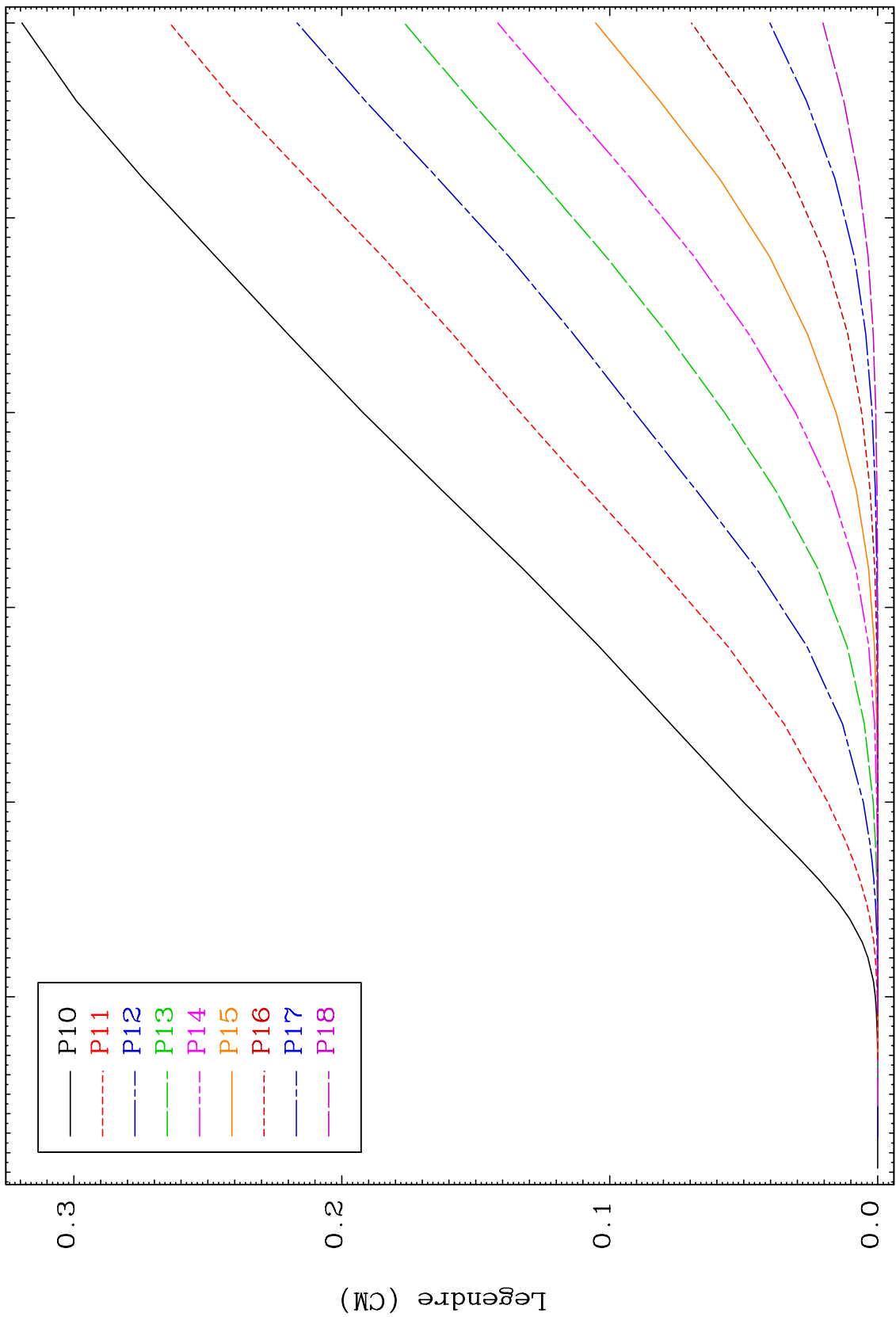
Incident Energy (MeV)

59-Pr-130

MAT 5892

Elastic Legendre Coefficients

59-Pr-130



18

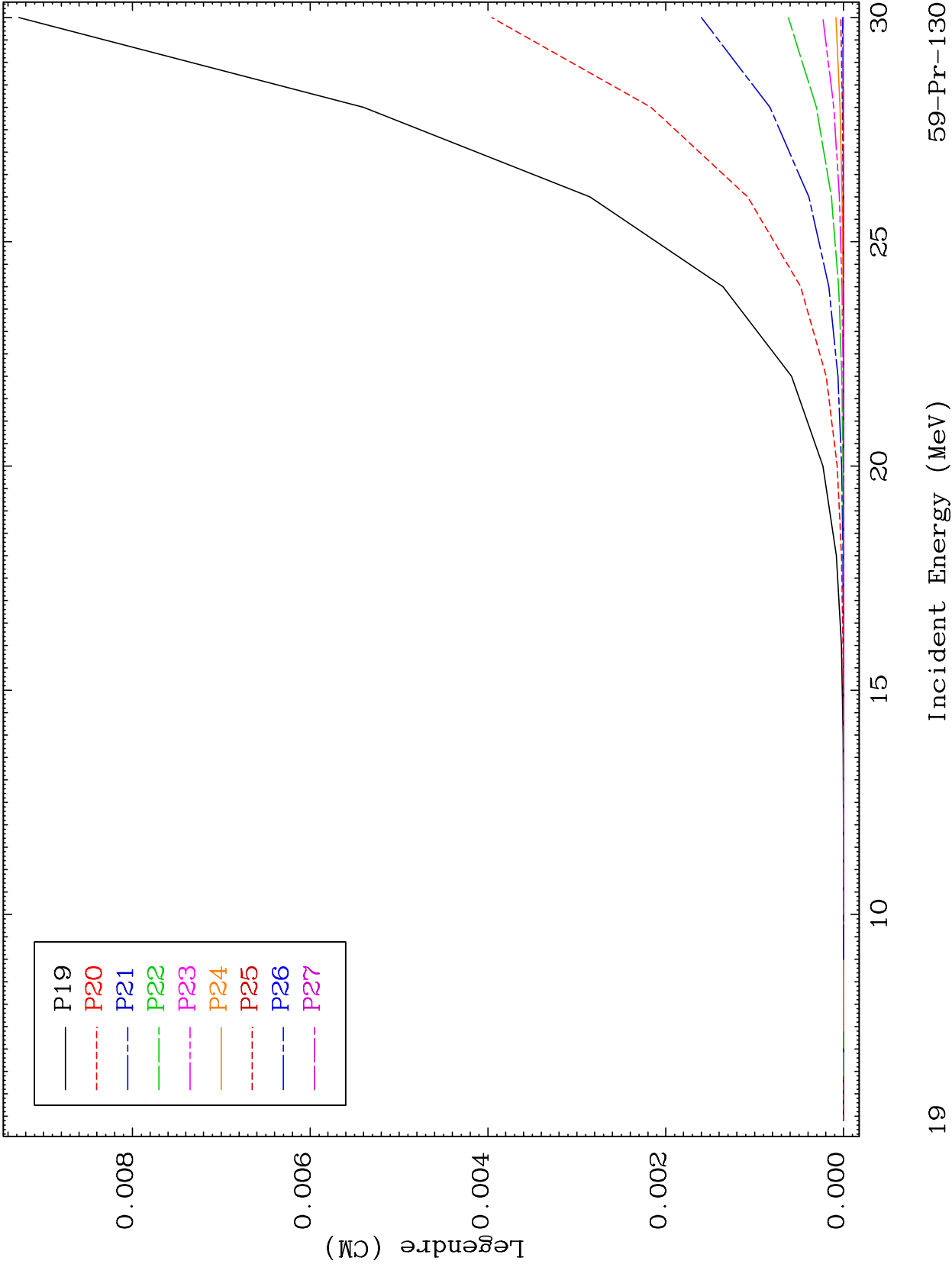
Incident Energy (MeV)

59-Pr-130

MAT 5892

Elastic Legendre Coefficients

59-Pr-130



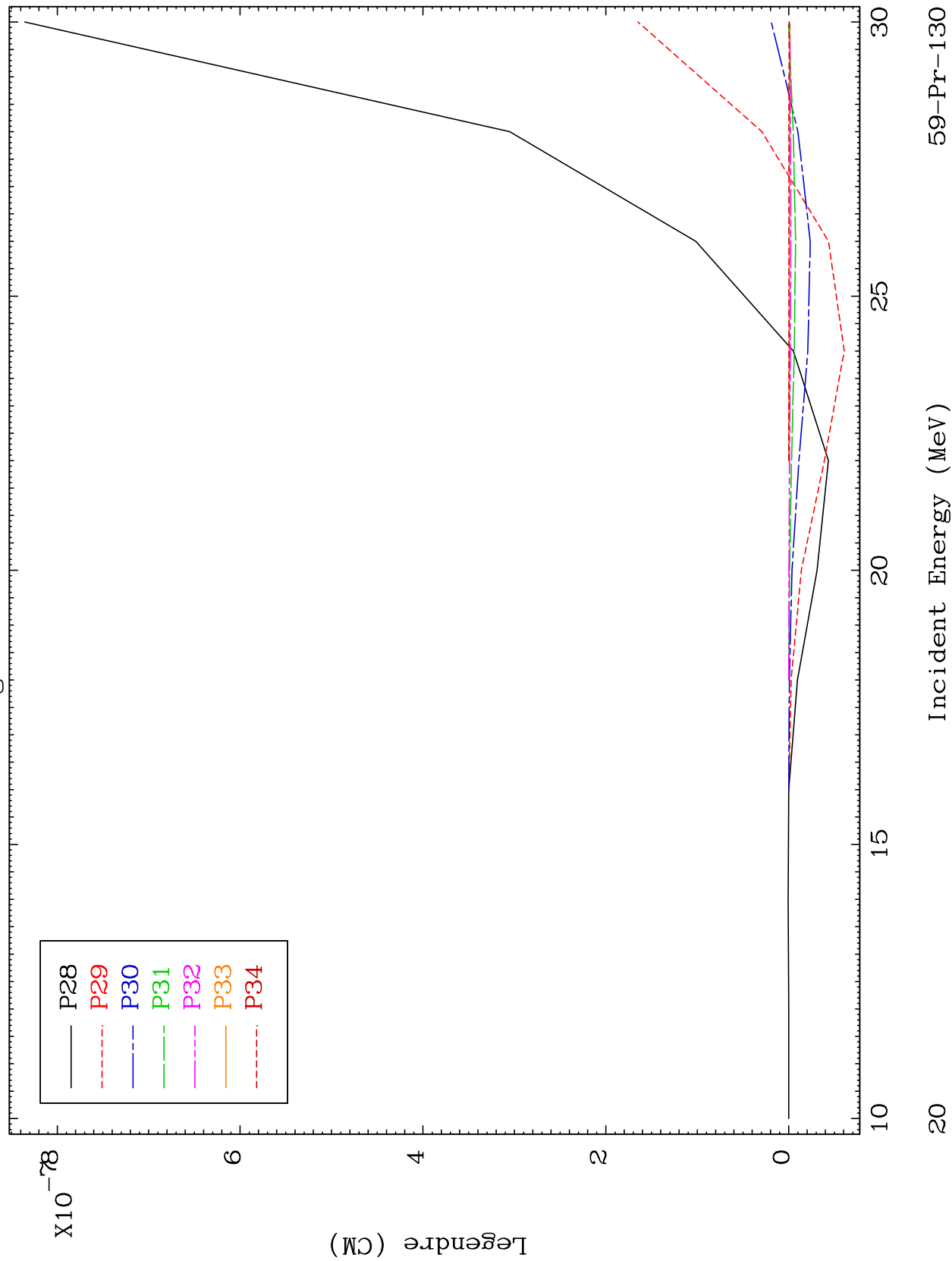
19

59-Pr-130

MAT 5892

Elastic Legendre Coefficients

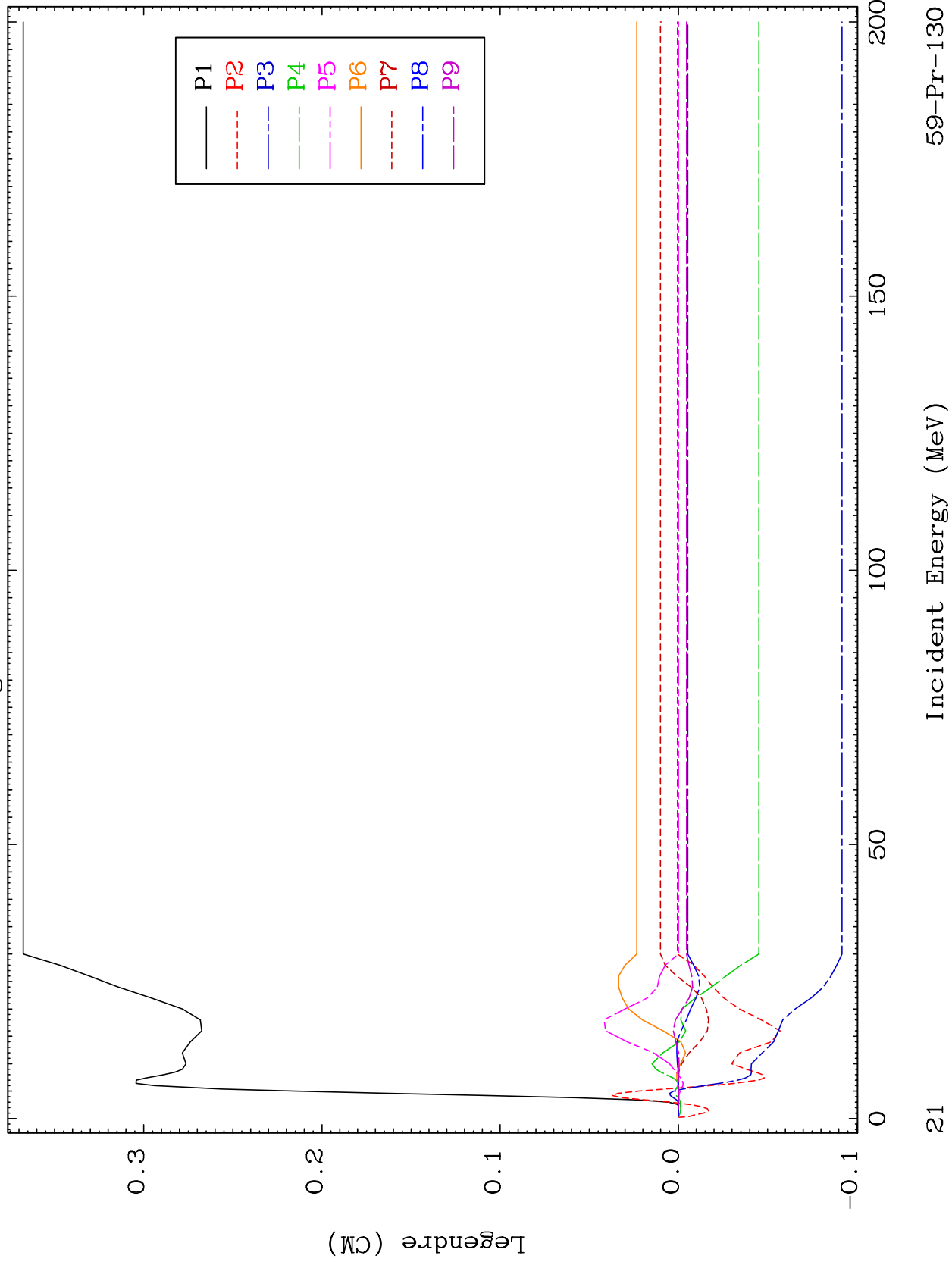
59-Pr-130



MAT 5892

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

59-Pr-130



59-Pr-130

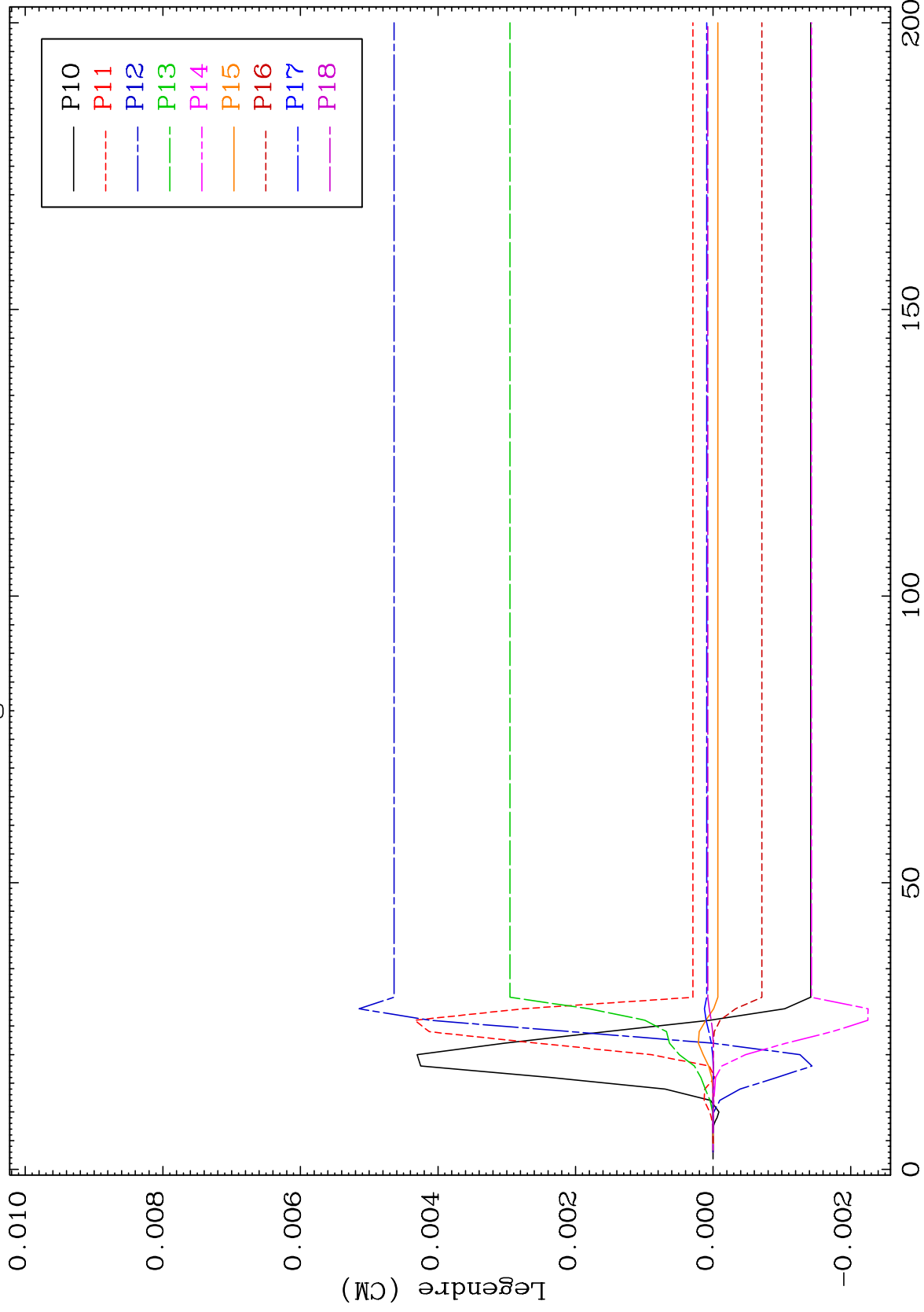
Incident Energy (MeV)

21

MAT 5892

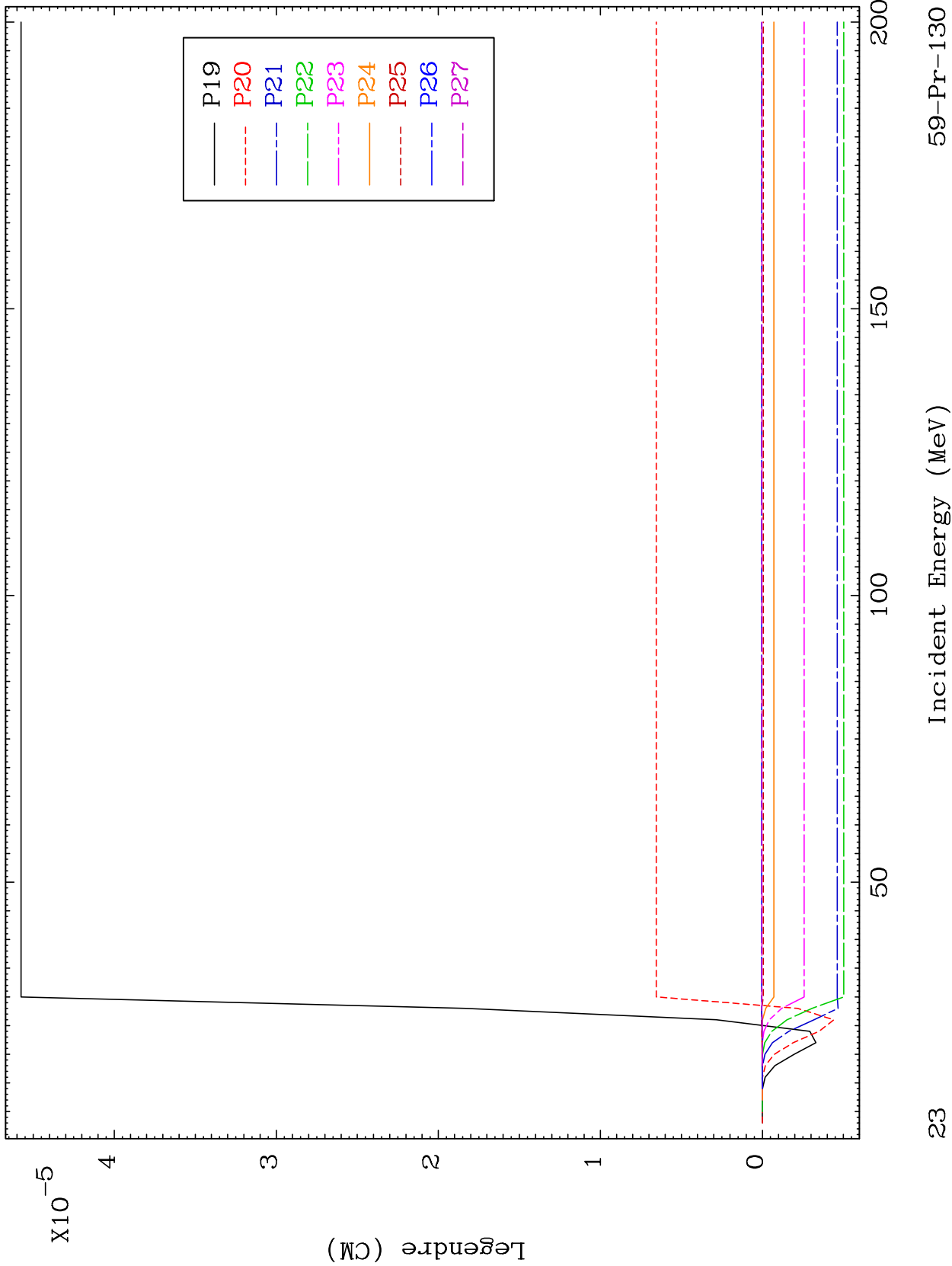
MT= 51 (n,n') Level
Legendre Coefficients

59-Pr-130



22

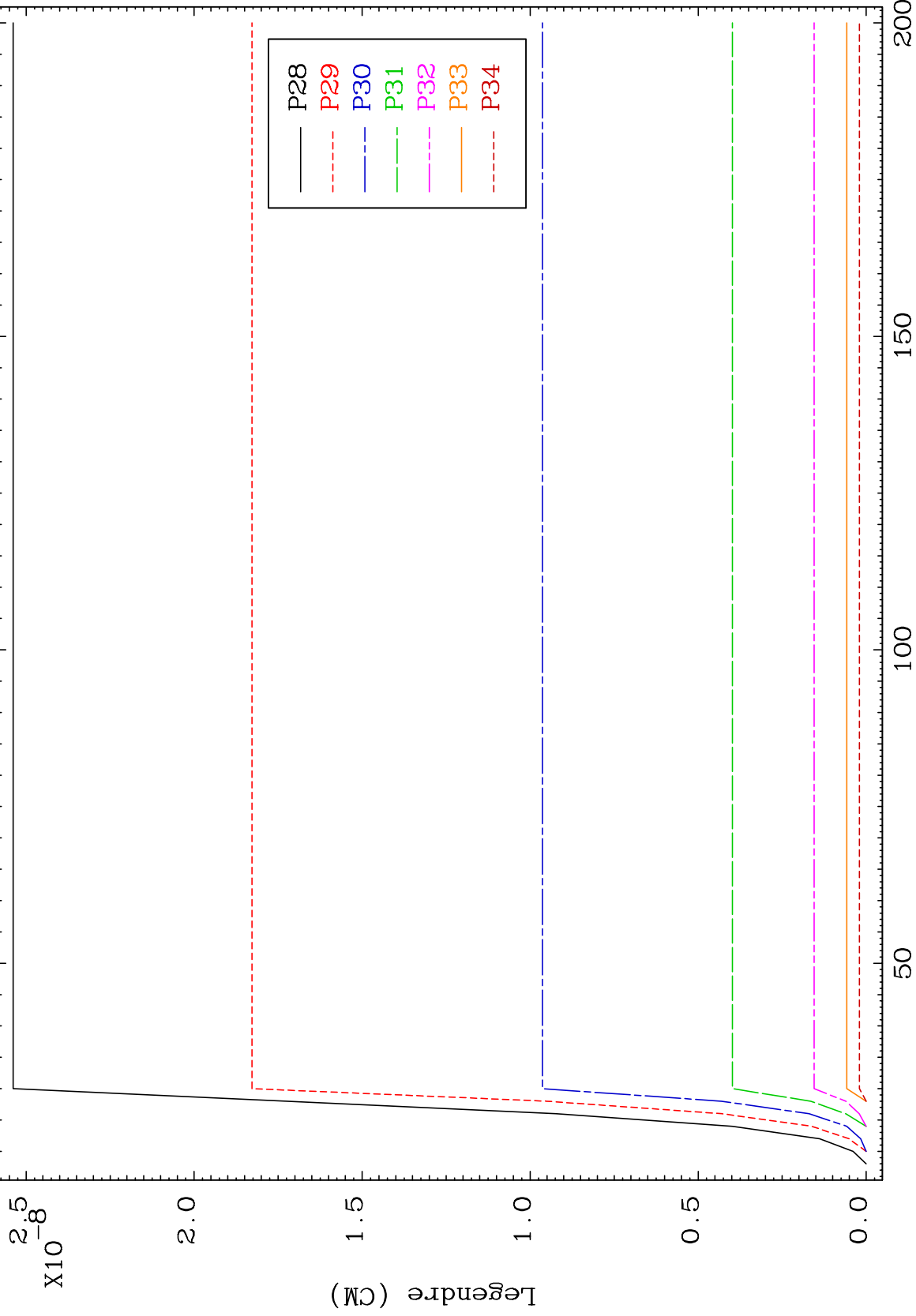
59-Pr-130



MAT 5892

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

59-Pr-130



24

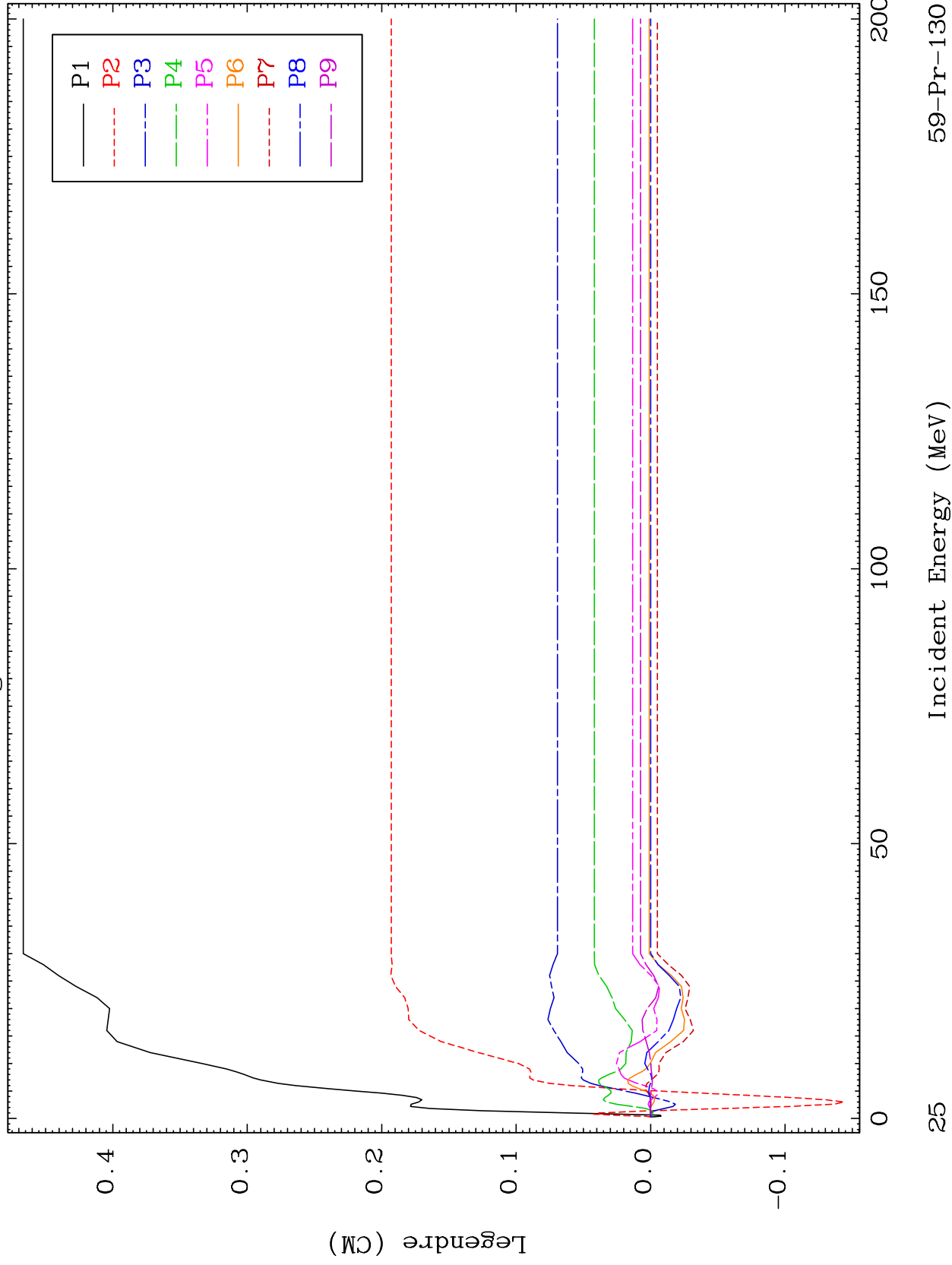
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



59-Pr-130

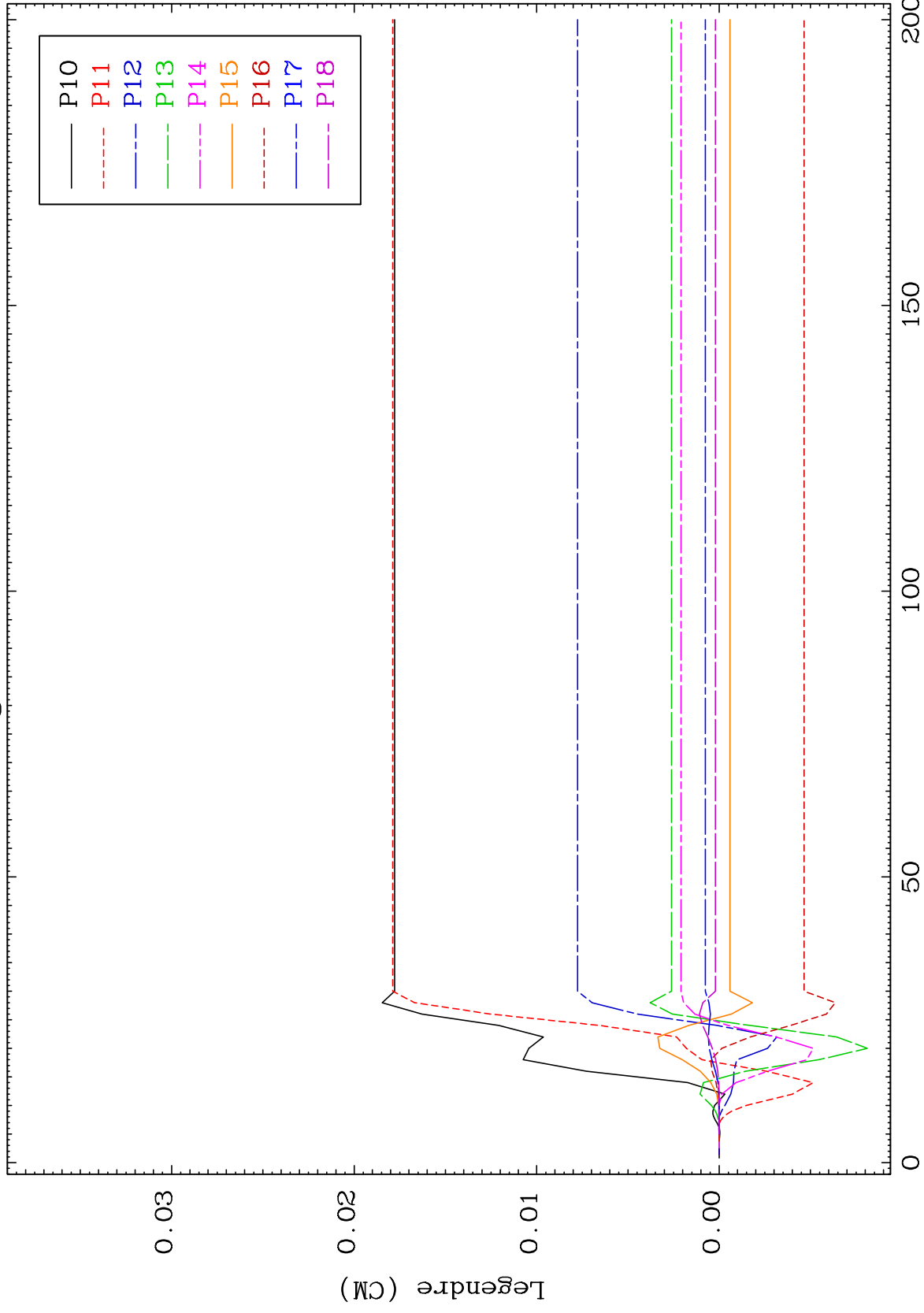
Incident Energy (MeV)

25

MAT 5892

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

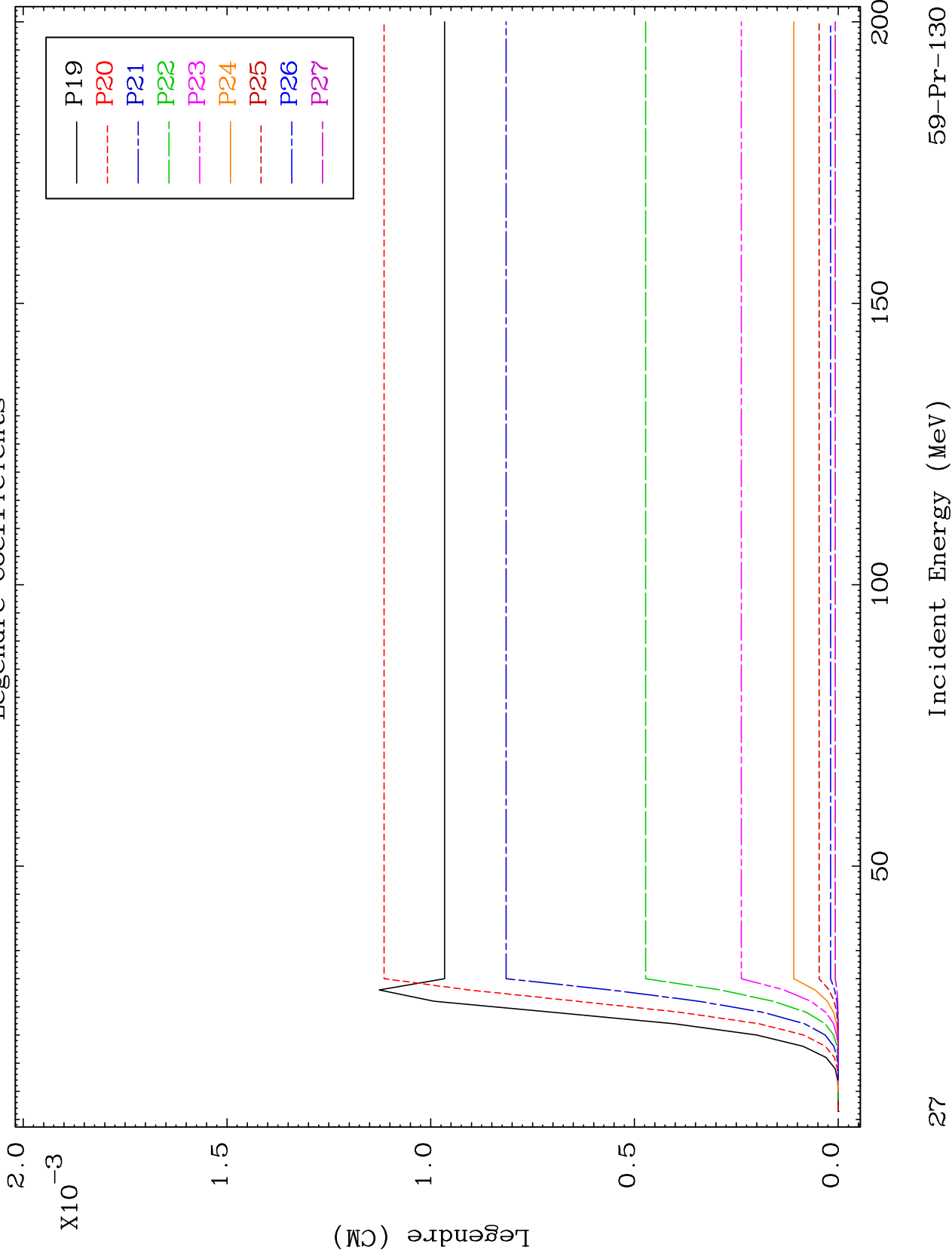
59-Pr-130



26

Incident Energy (MeV)

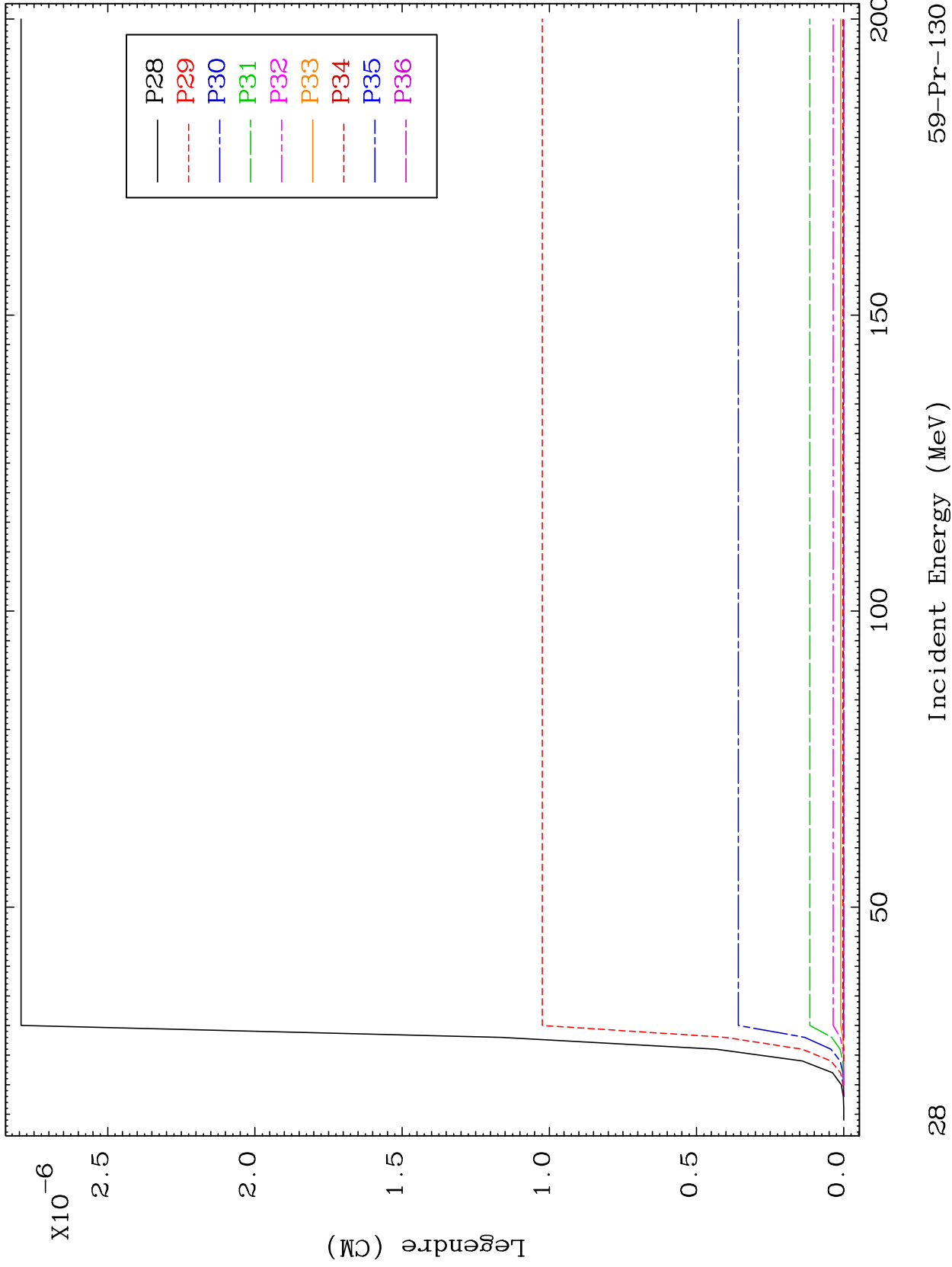
59-Pr-130



MAT 5892

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

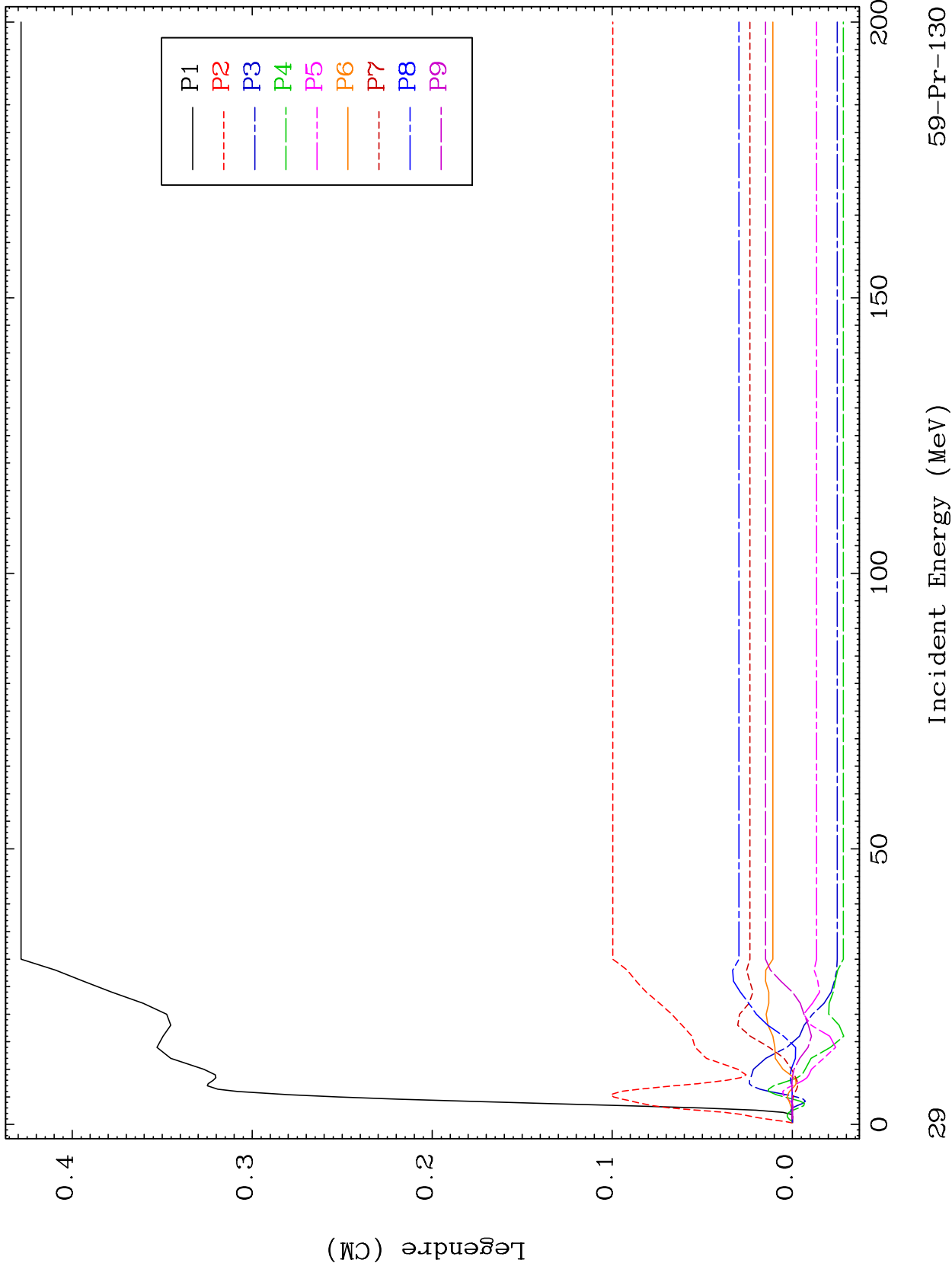
59-Pr-130



MAT 5892

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

59-Pr-130



29

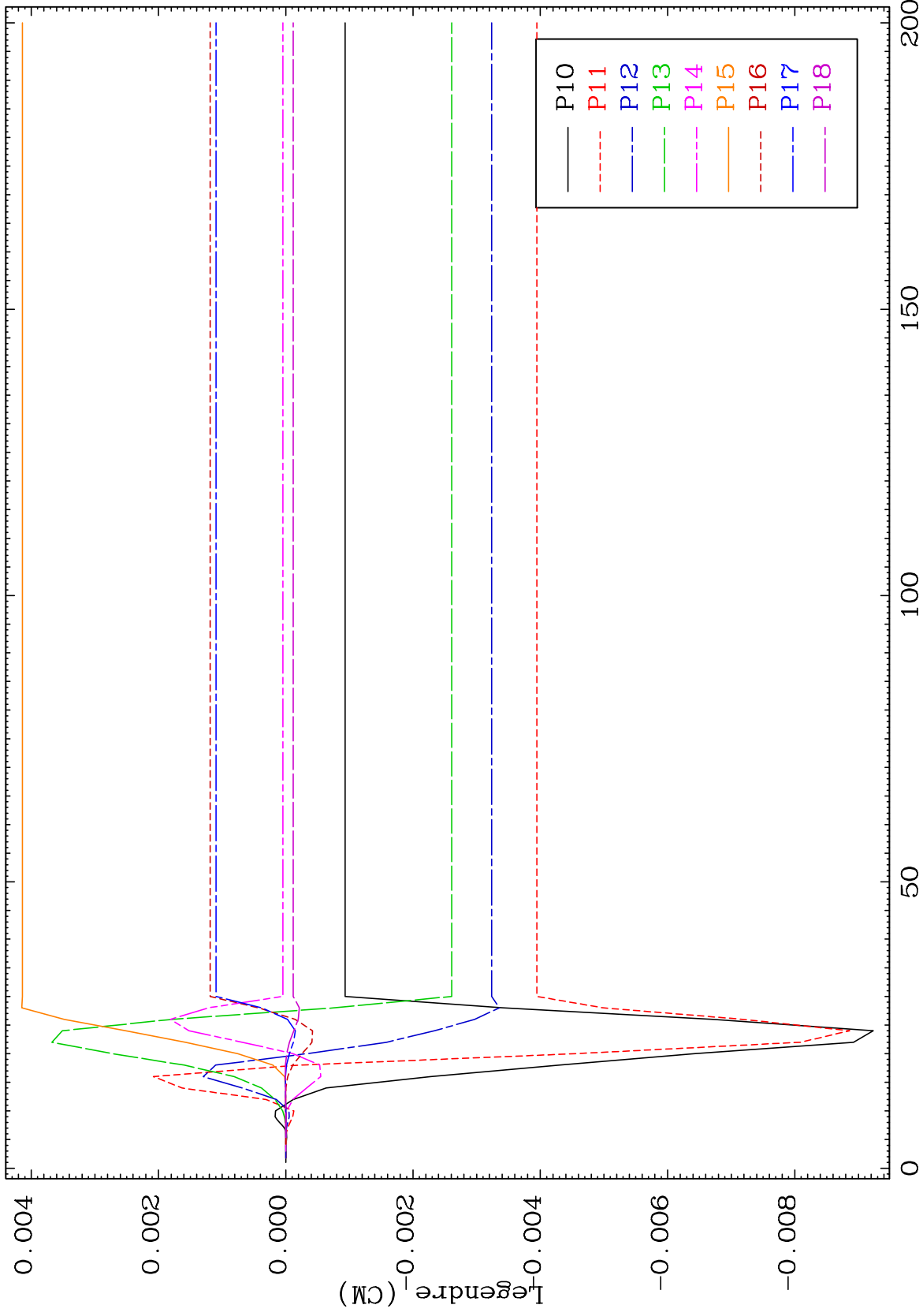
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

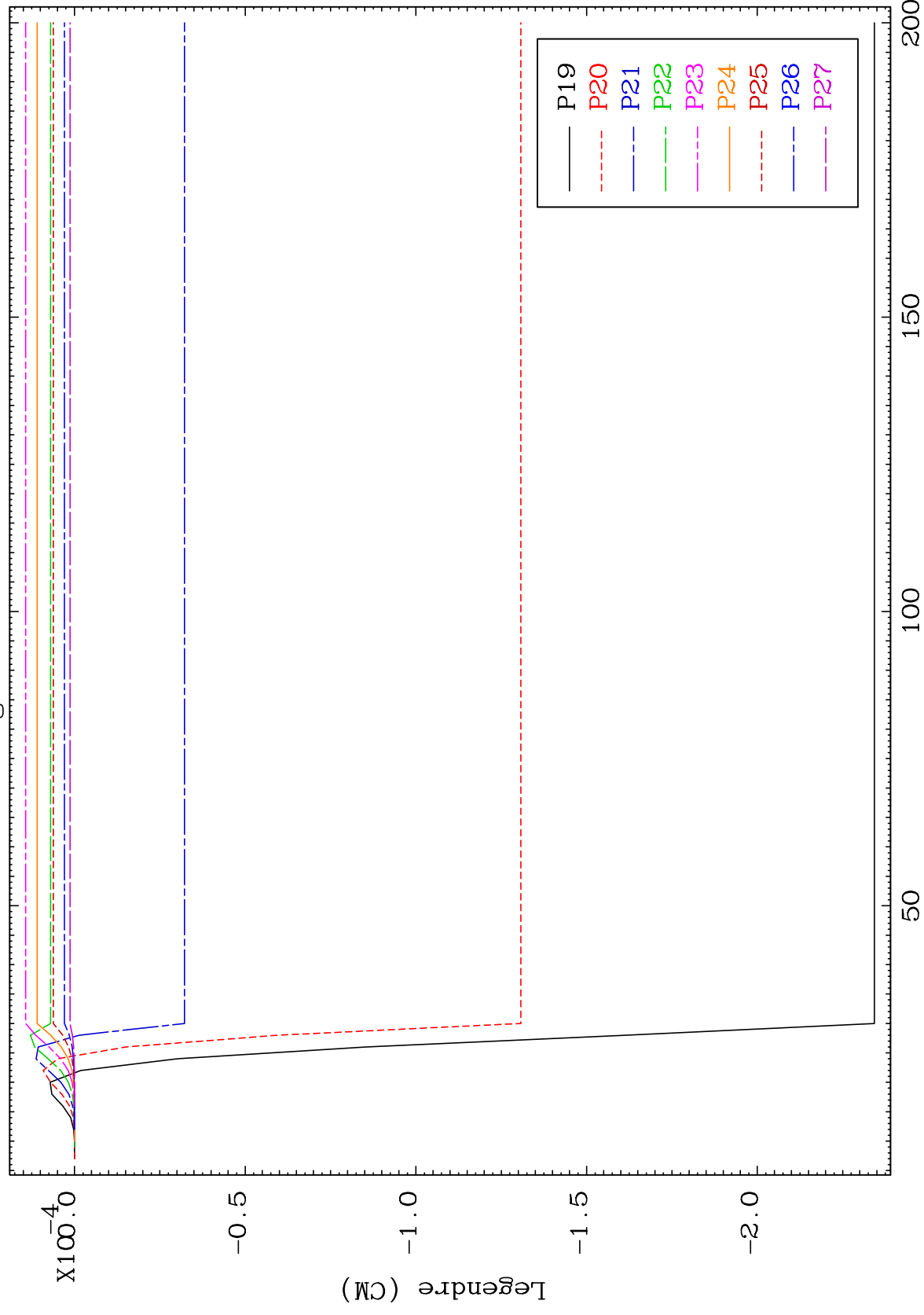
59-Pr-130



30

Incident Energy (MeV)

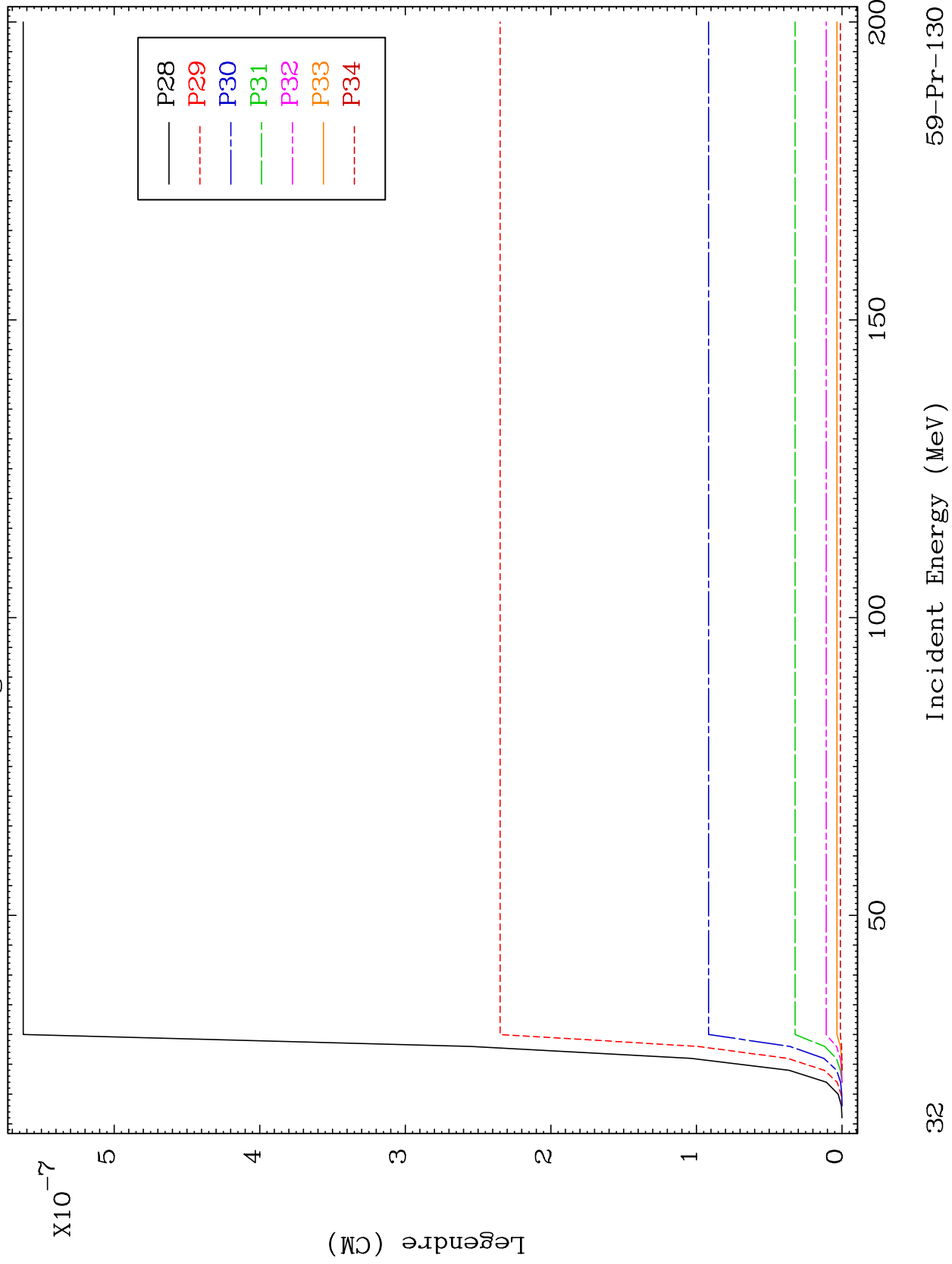
59-Pr-130

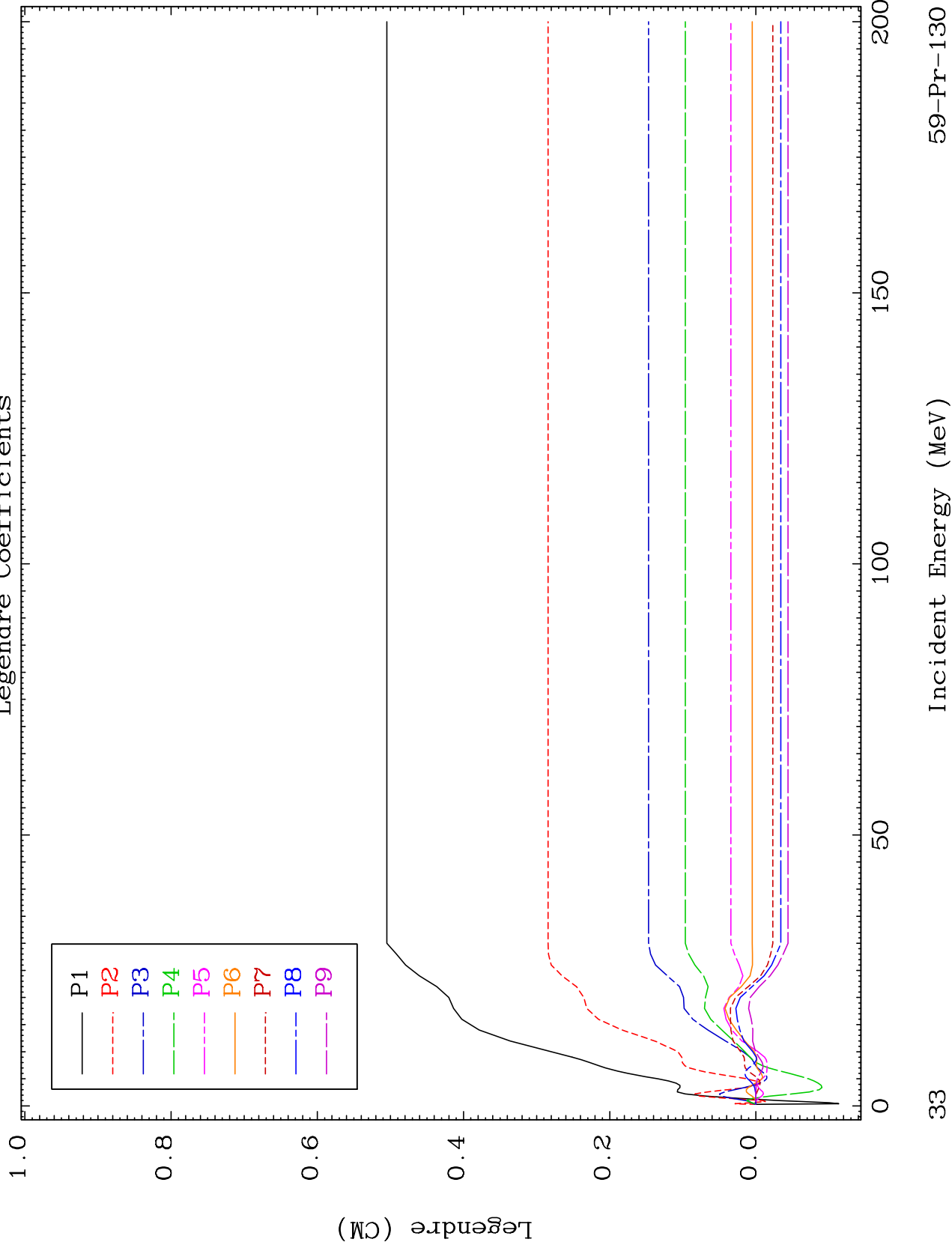


MAT 5892

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

59-Pr-130

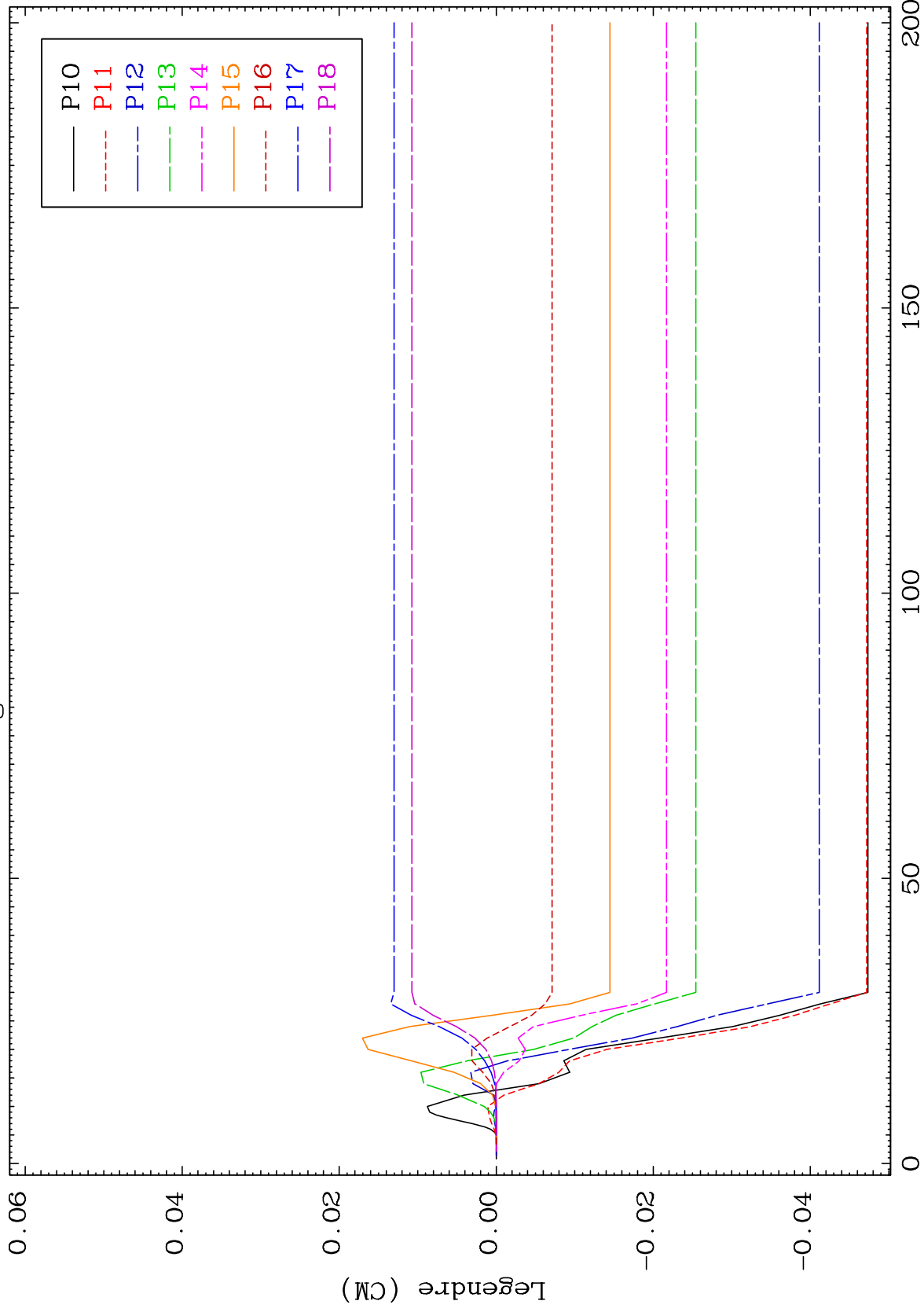




MAT 5892

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

59-Pr-130



34

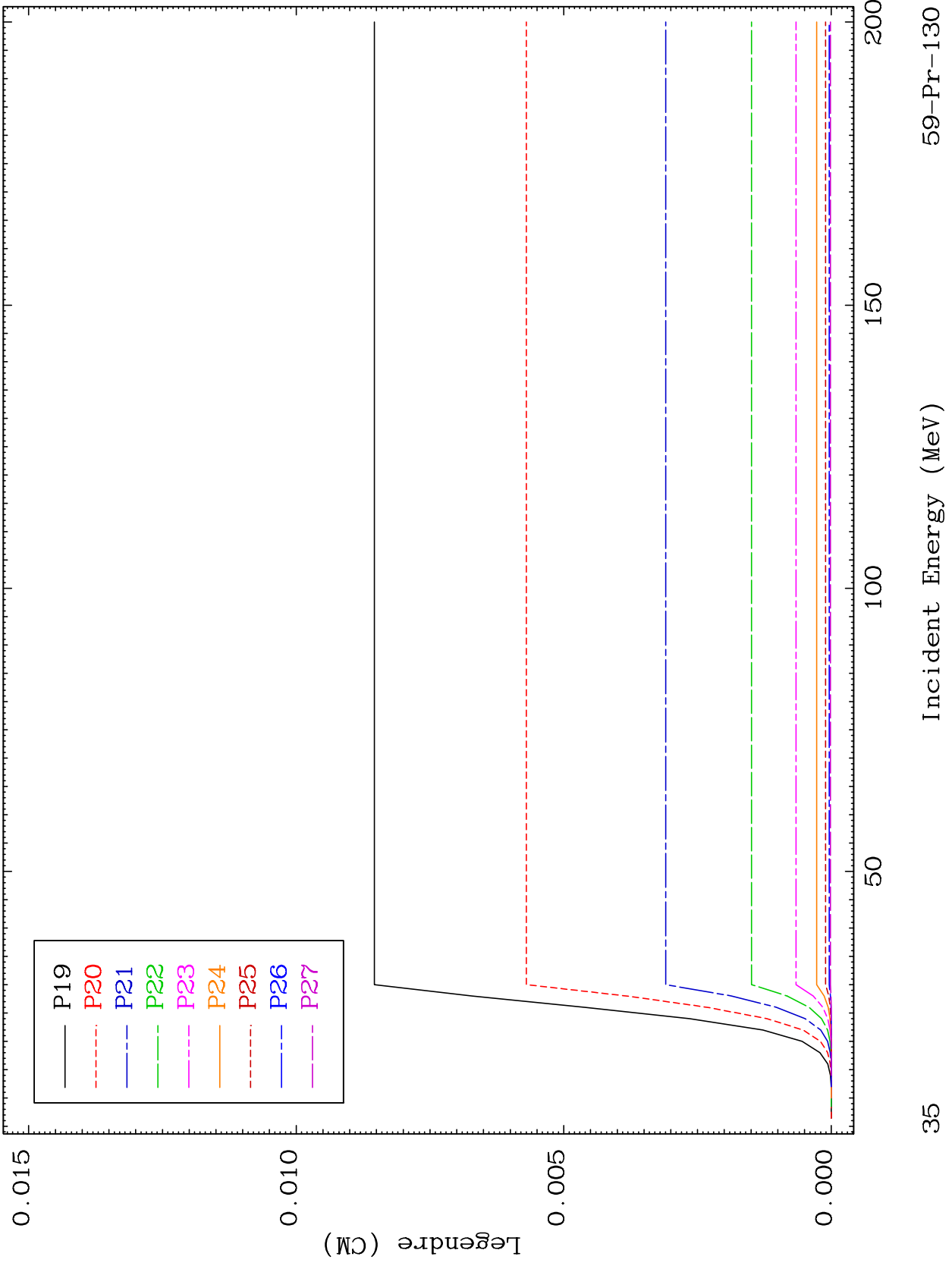
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



35

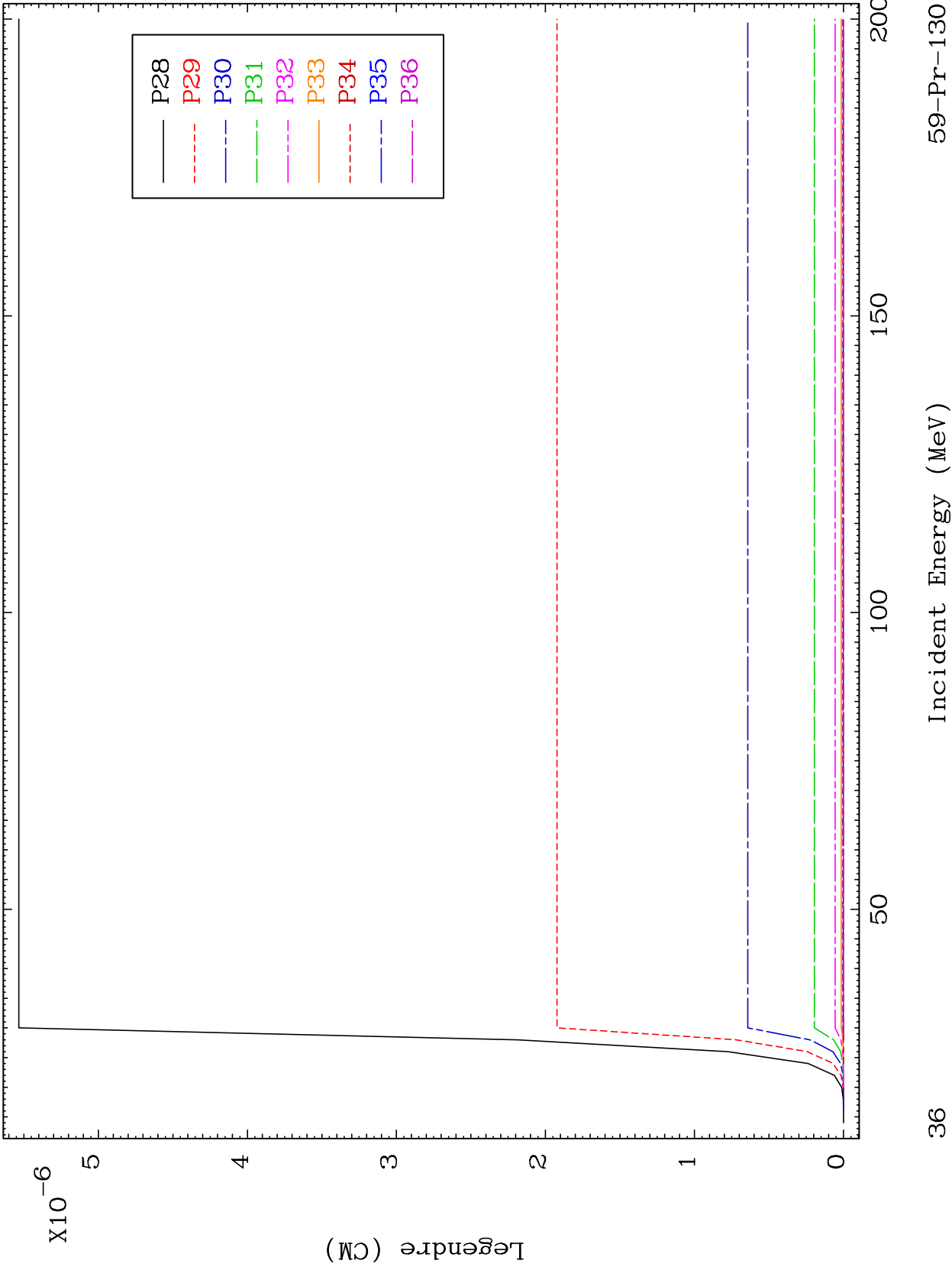
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

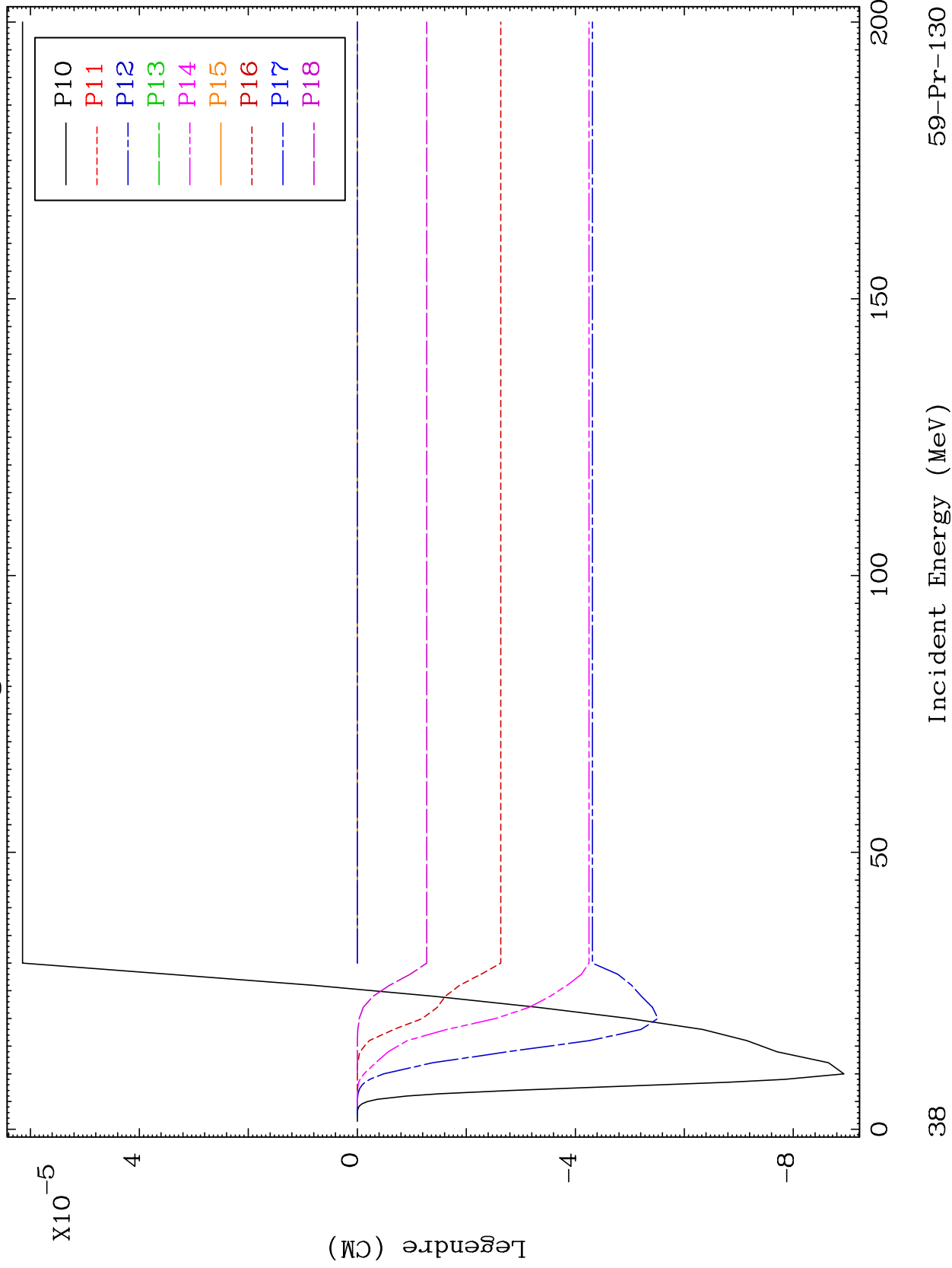
59-Pr-130



MAT 5892

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

59-Pr-130



59-Pr-130

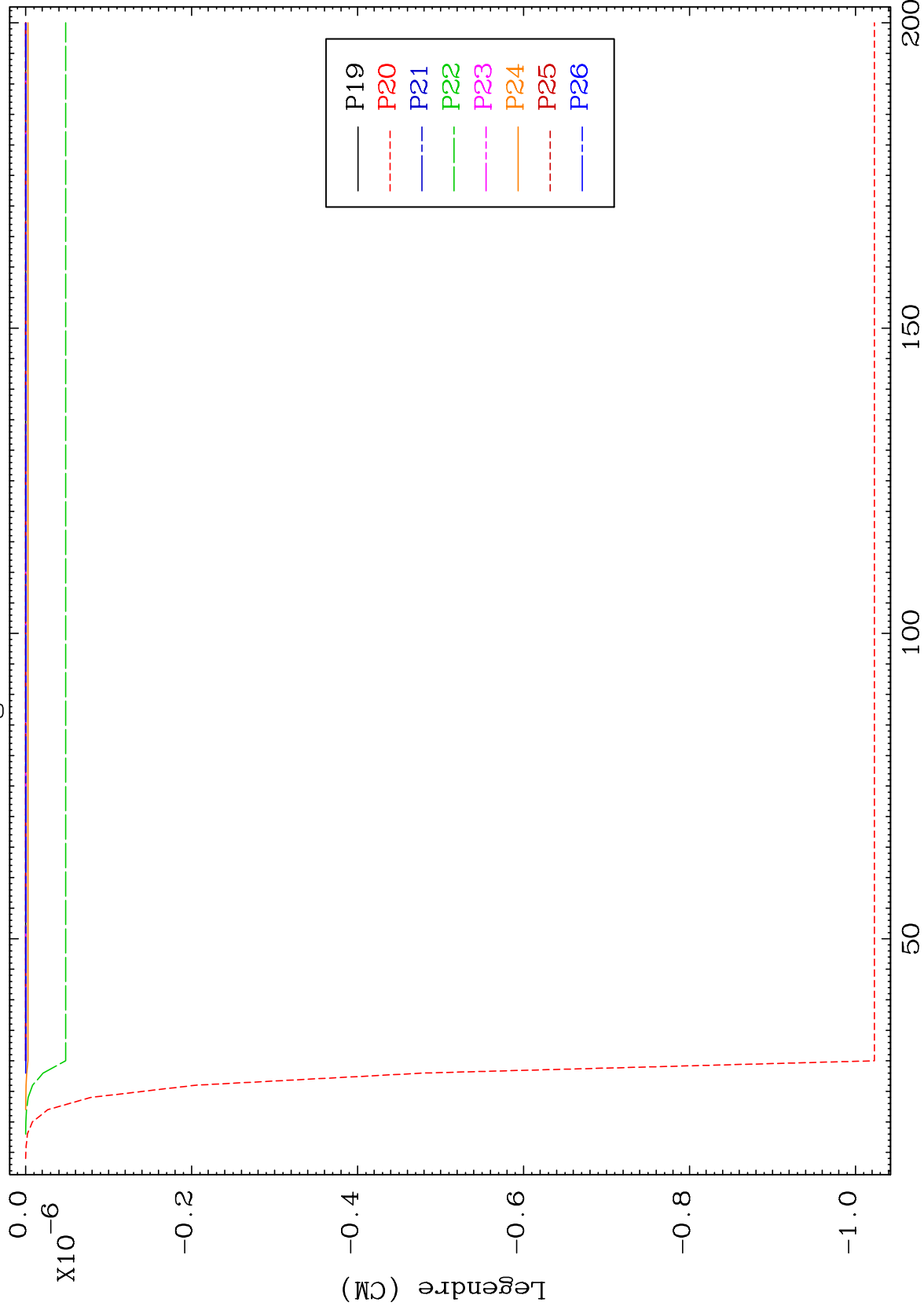
Incident Energy (MeV)

38

MAT 5892

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

59-Pr-130



59-Pr-130

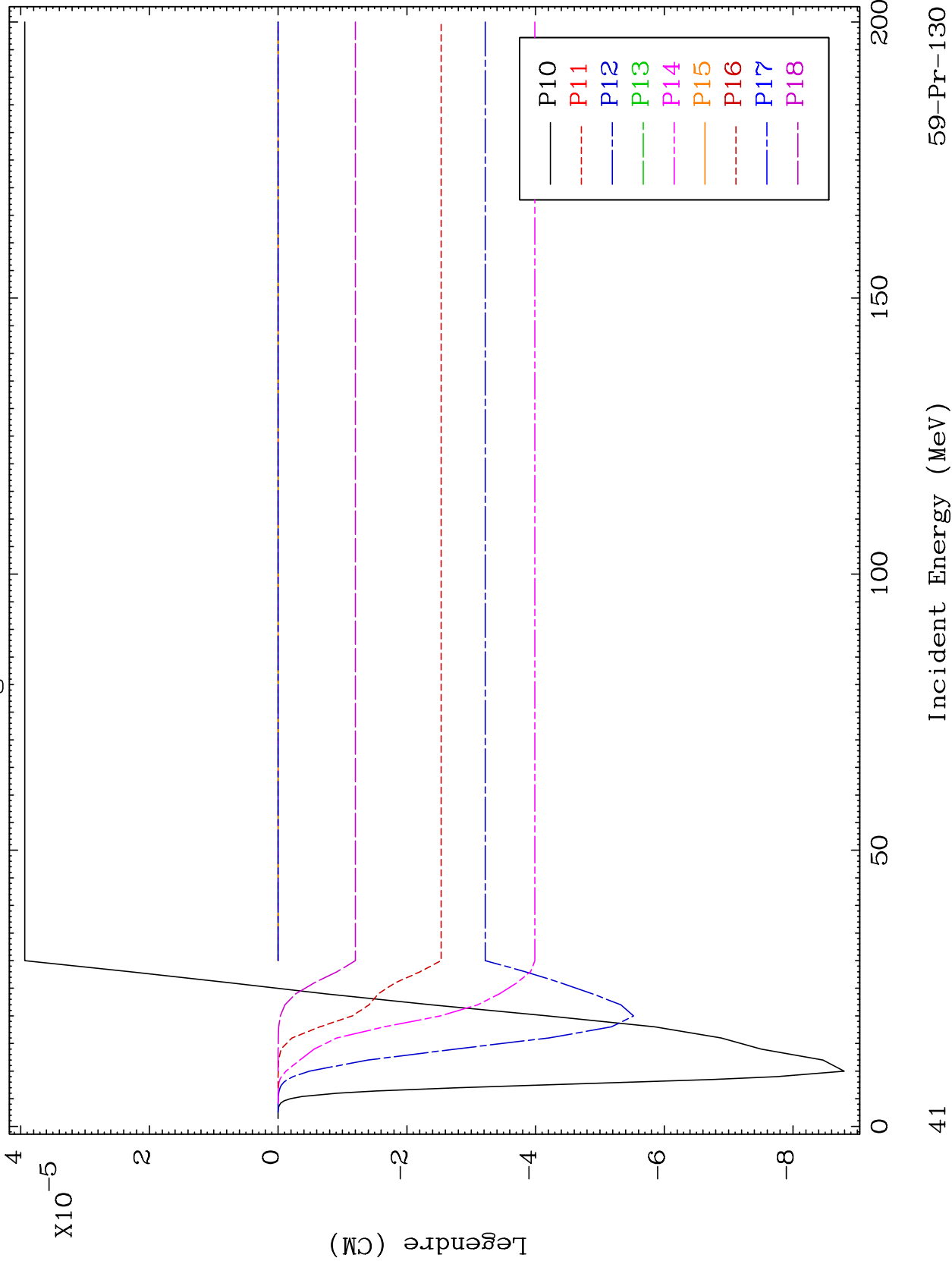
Incident Energy (MeV)

39

MAT 5892

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

59-Pr-130



41

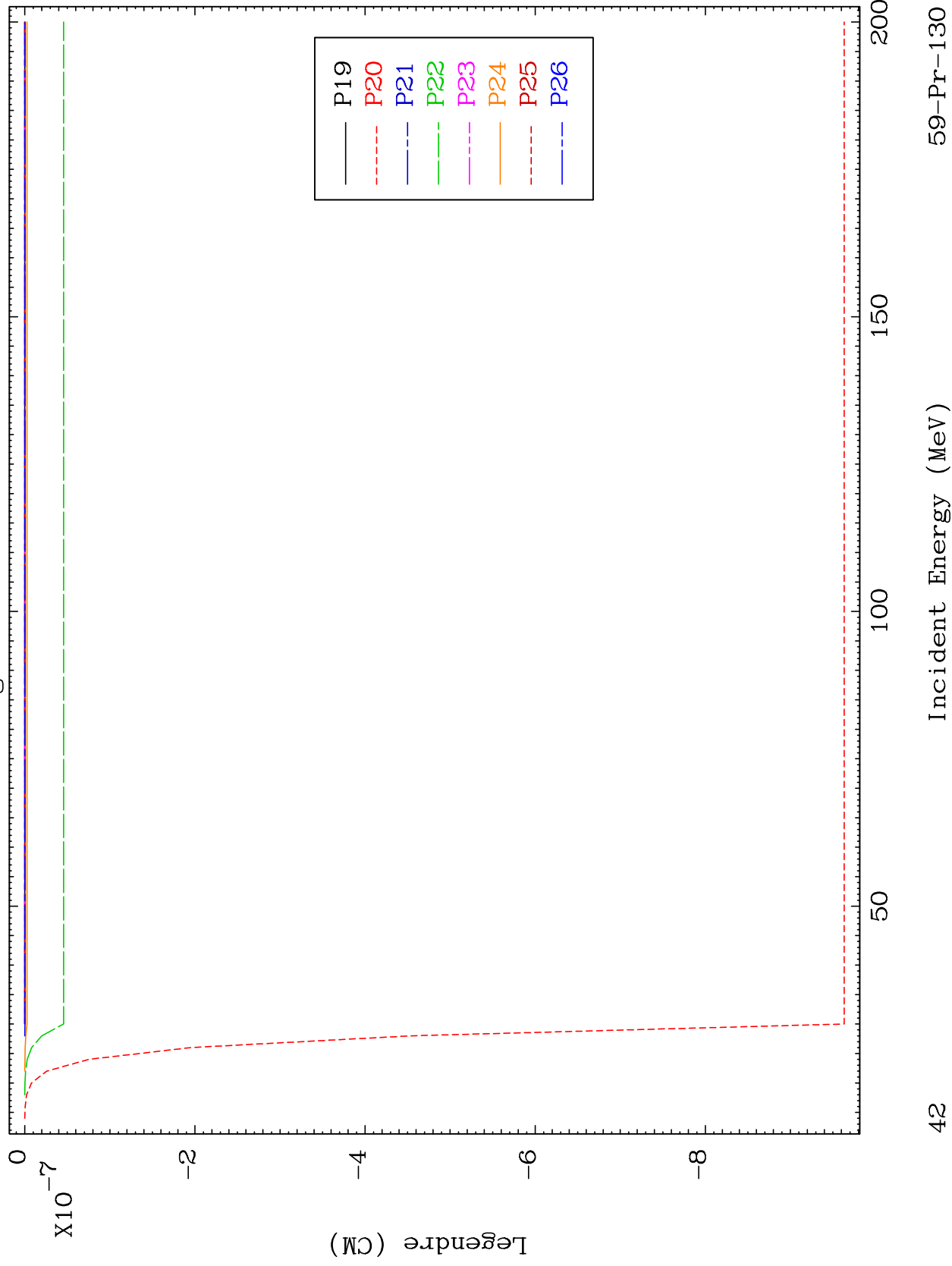
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



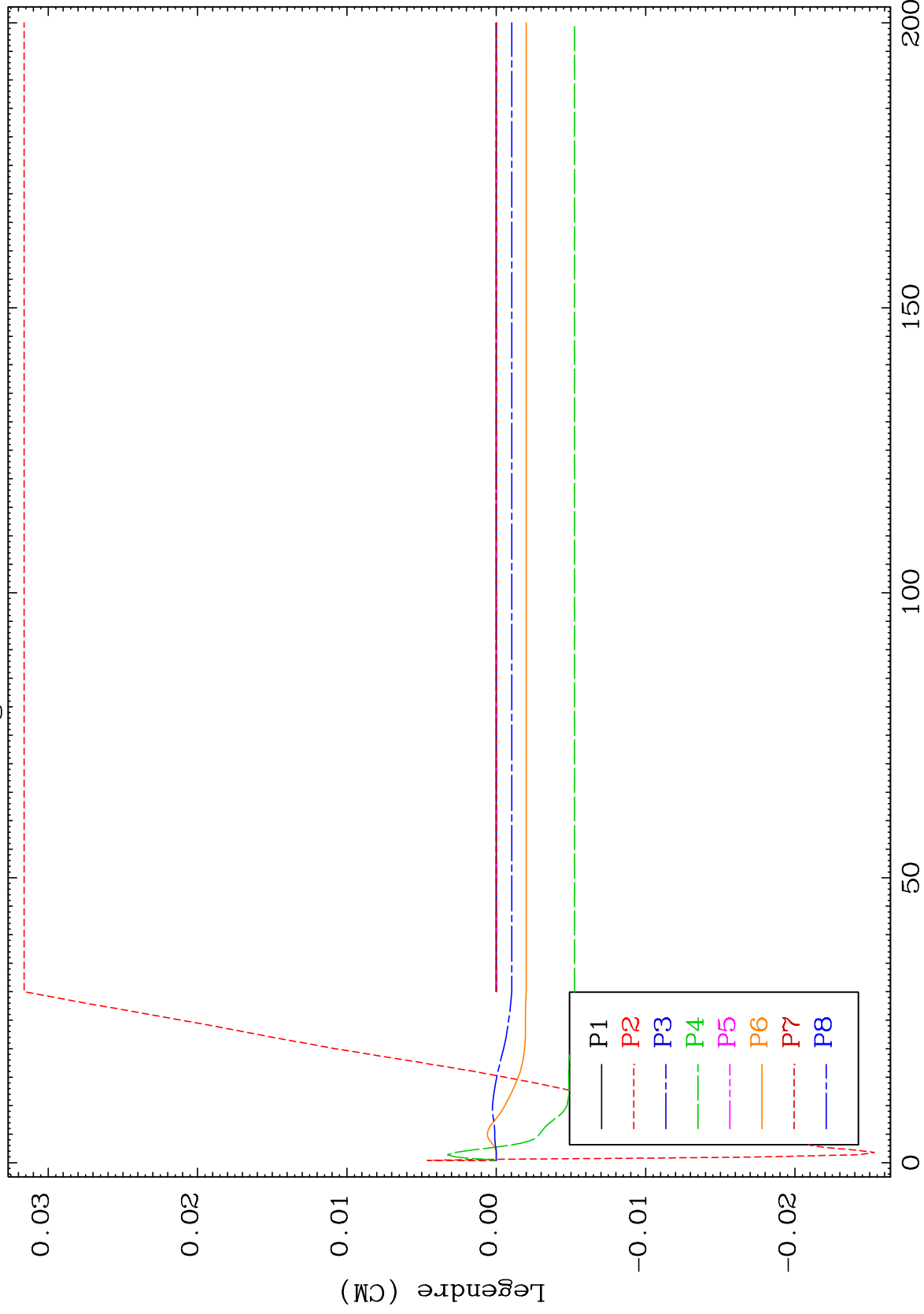
42

59-Pr-130

MAT 5892

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

59-Pr-130



43

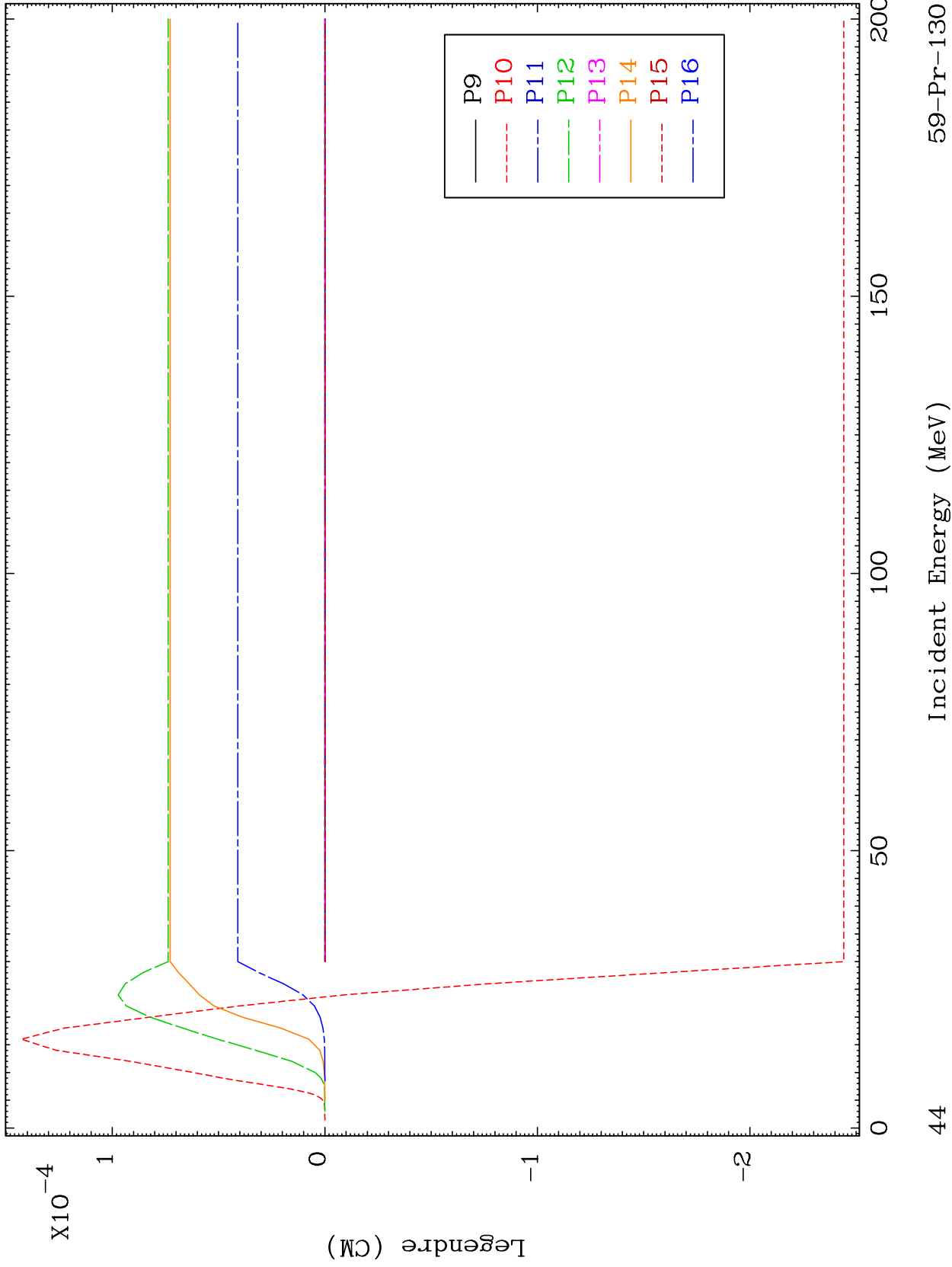
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



59-Pr-130

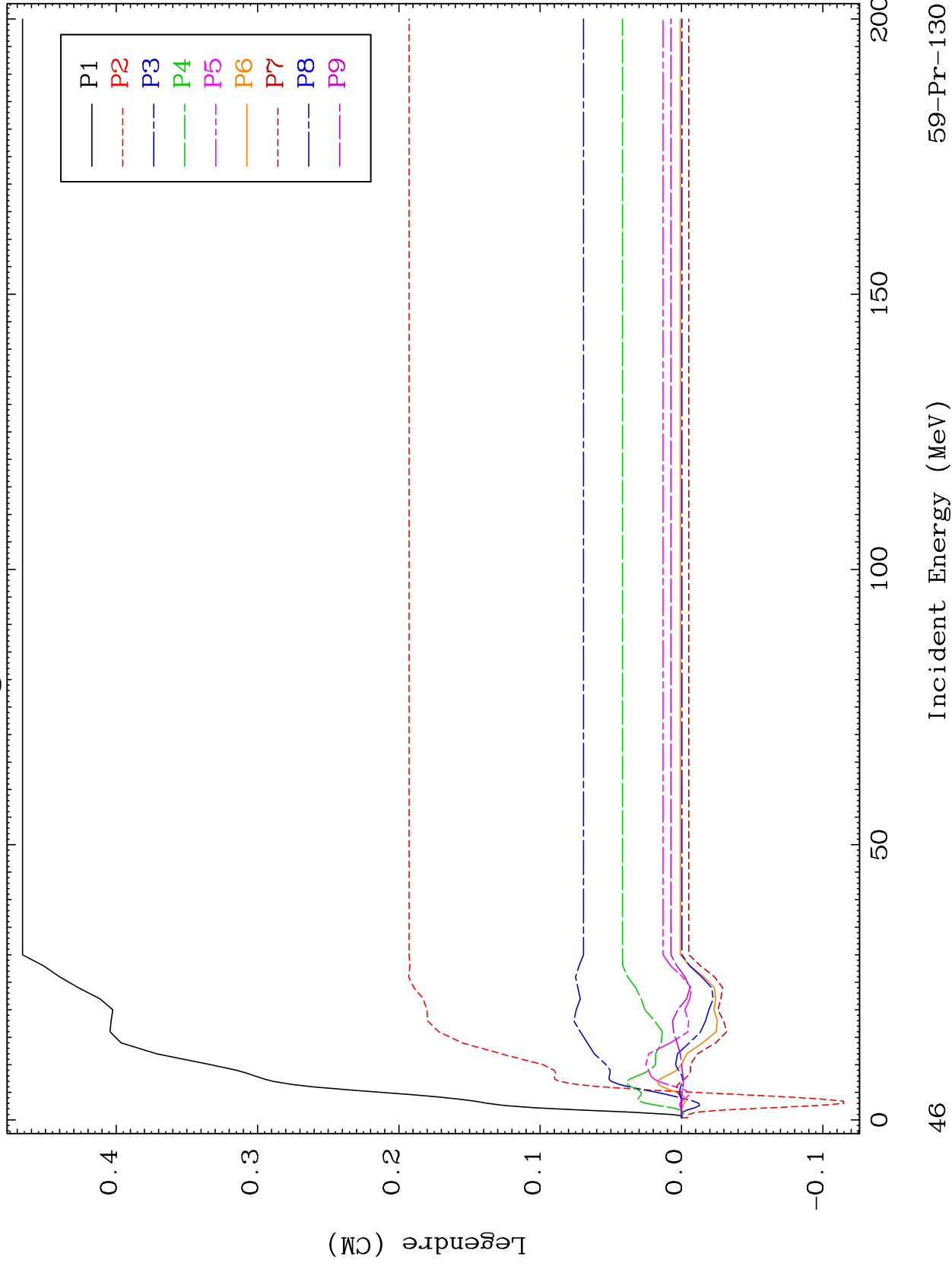
Incident Energy (MeV)

44

MAT 5892

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

59-Pr-130



59-Pr-130

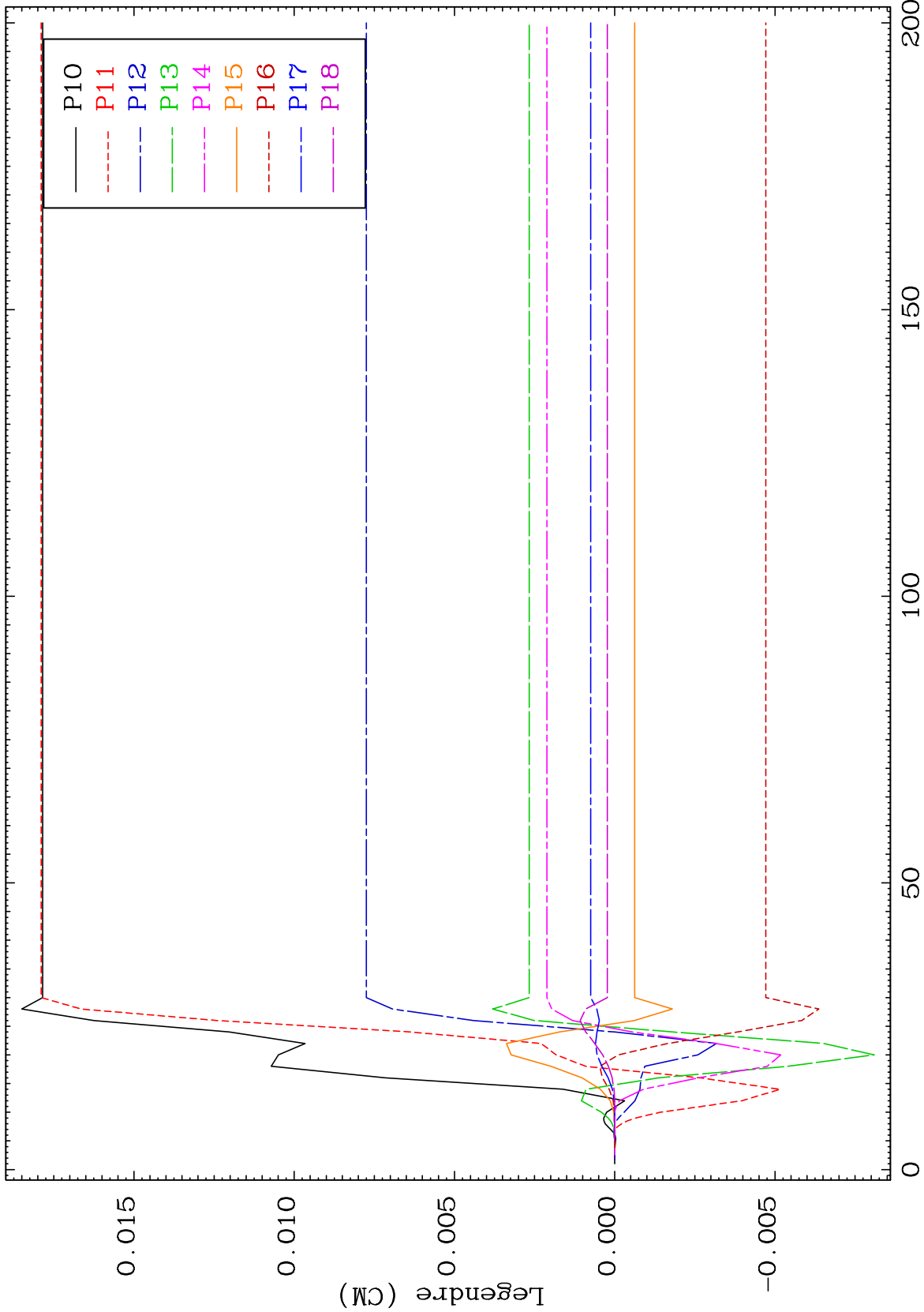
Incident Energy (MeV)

46

MAT 5892

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

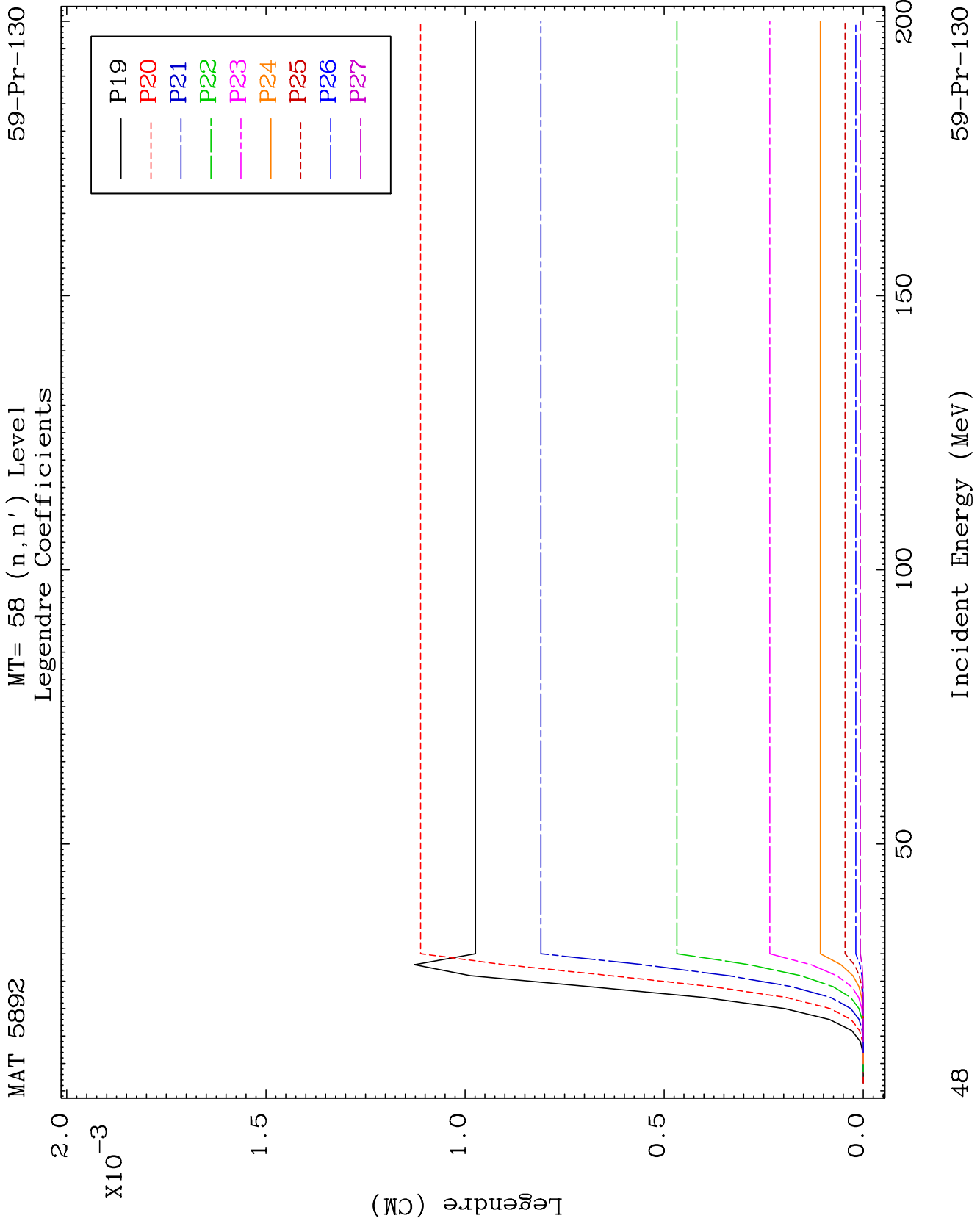
59-Pr-130



47

Incident Energy (MeV)

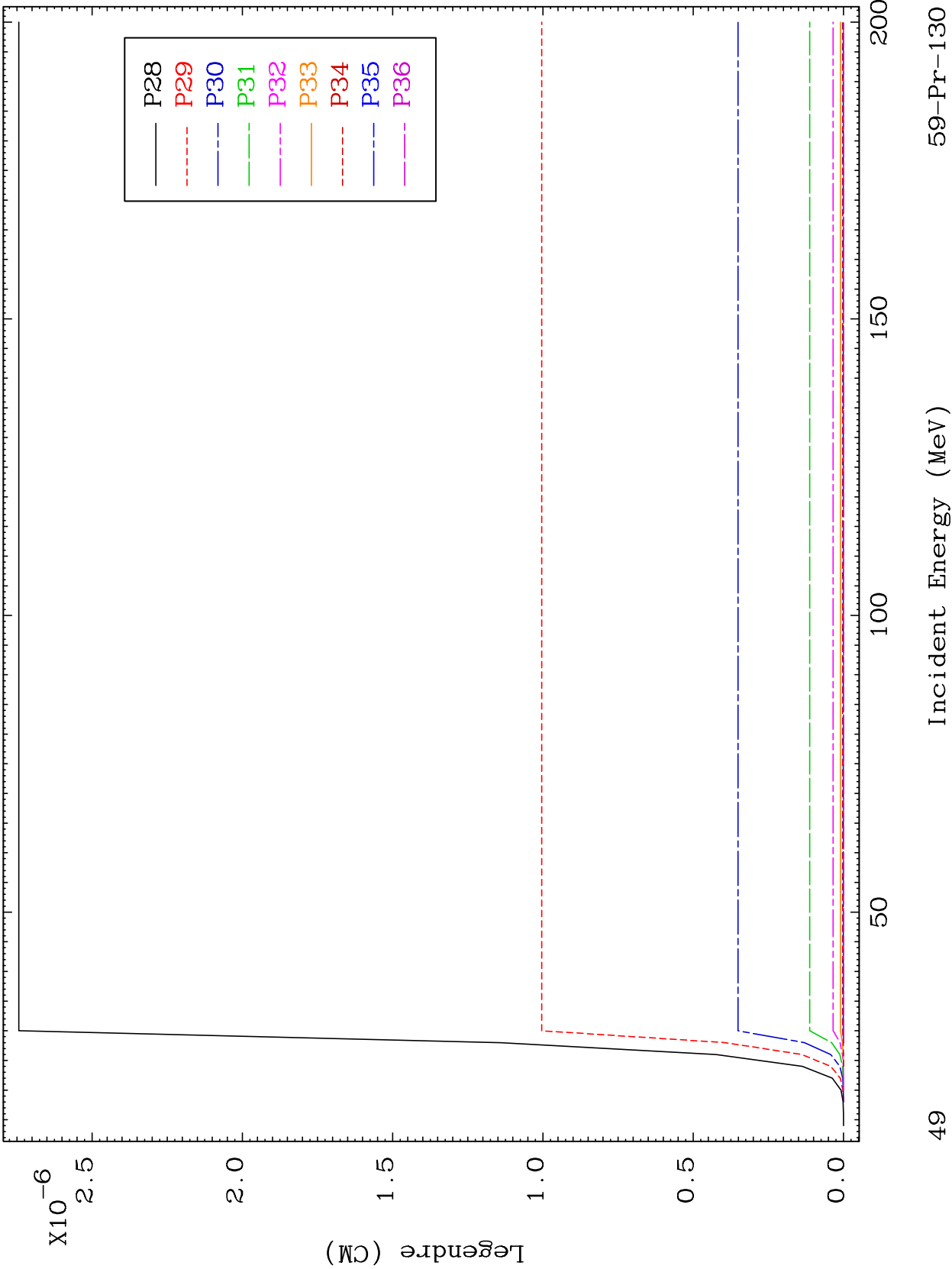
59-Pr-130



MAT 5892

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

59-Pr-130



49

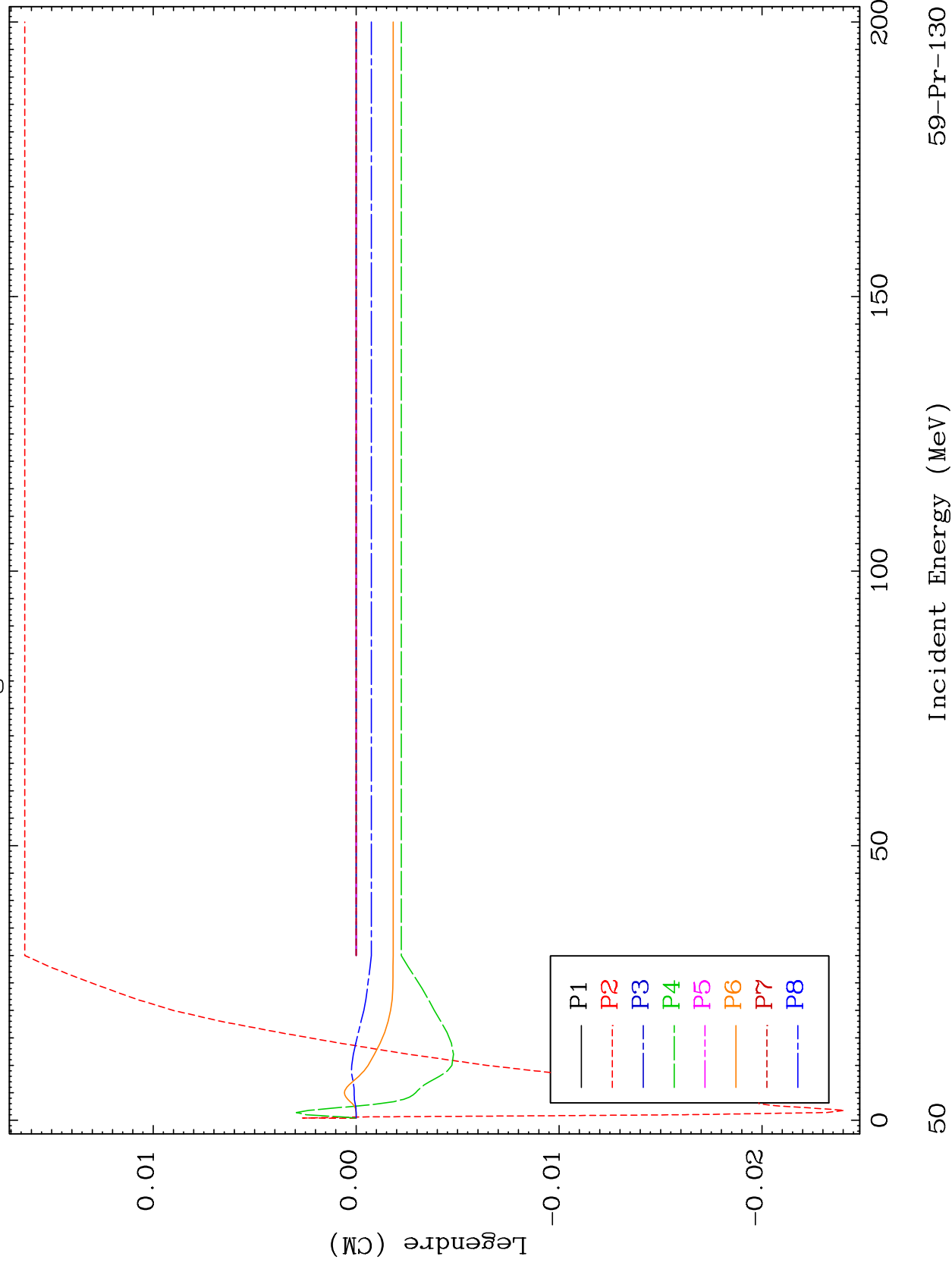
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

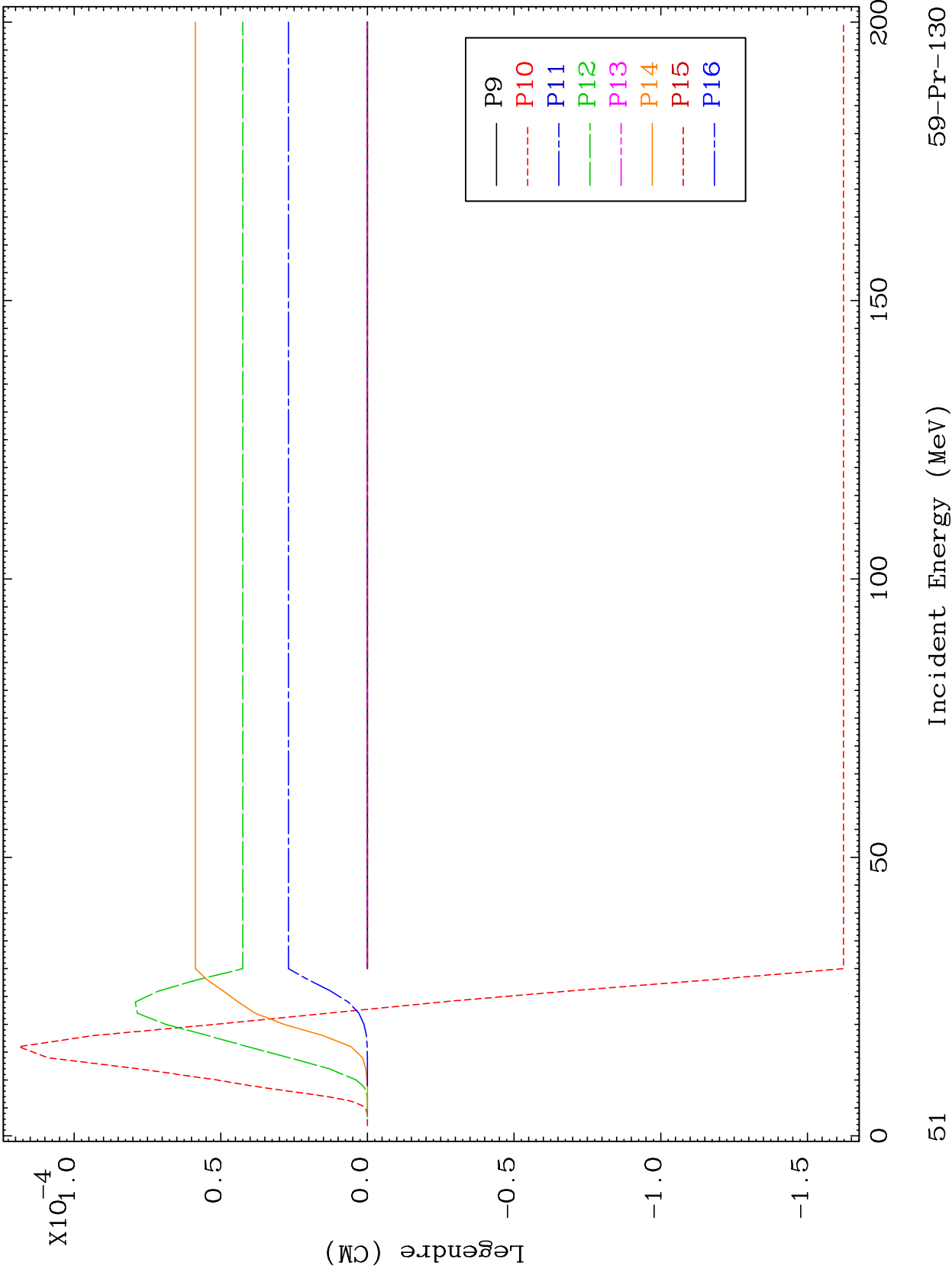
59-Pr-130



MAT 5892

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

59-Pr-130



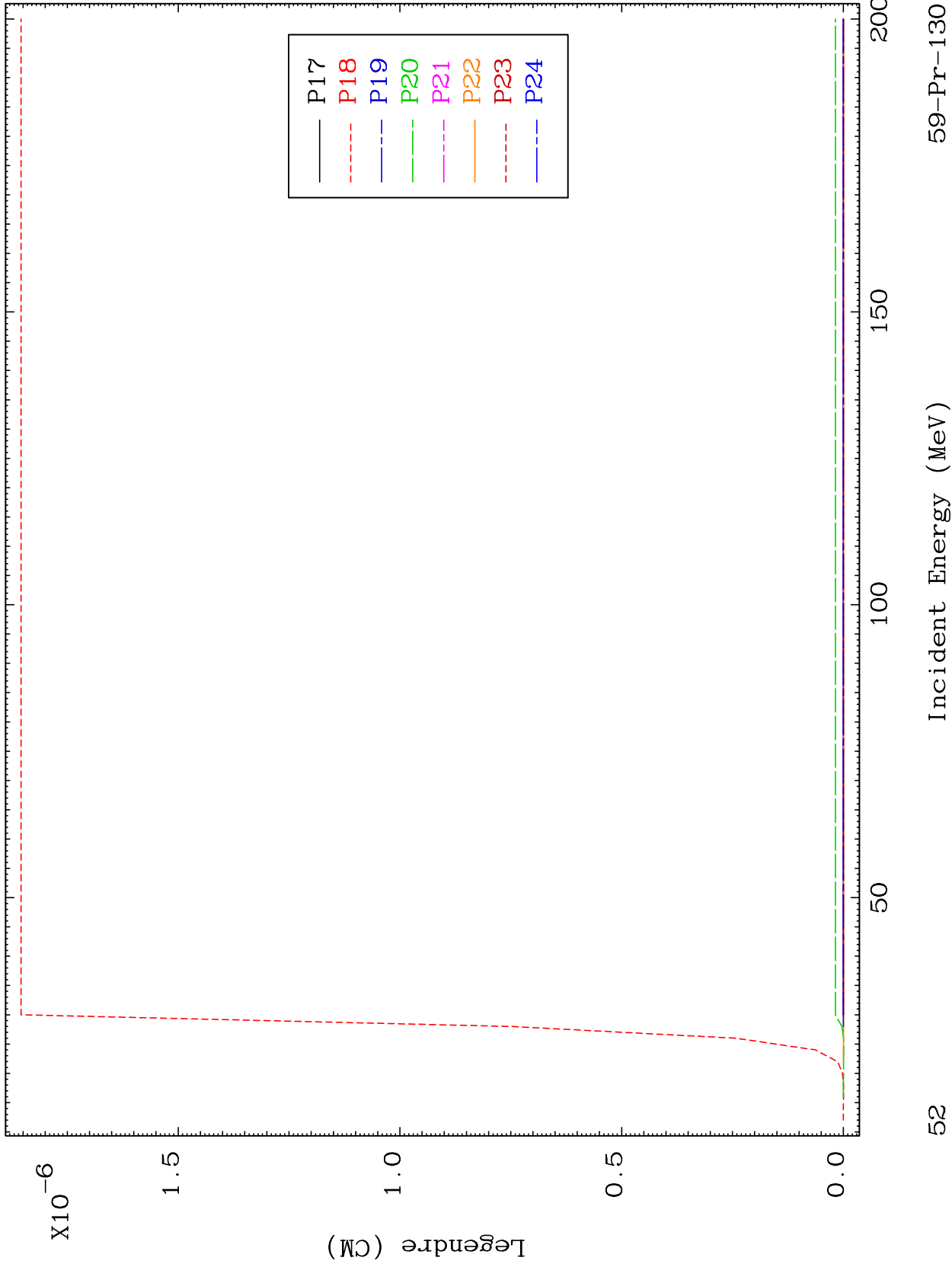
51

59-Pr-130

MAT 5892

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

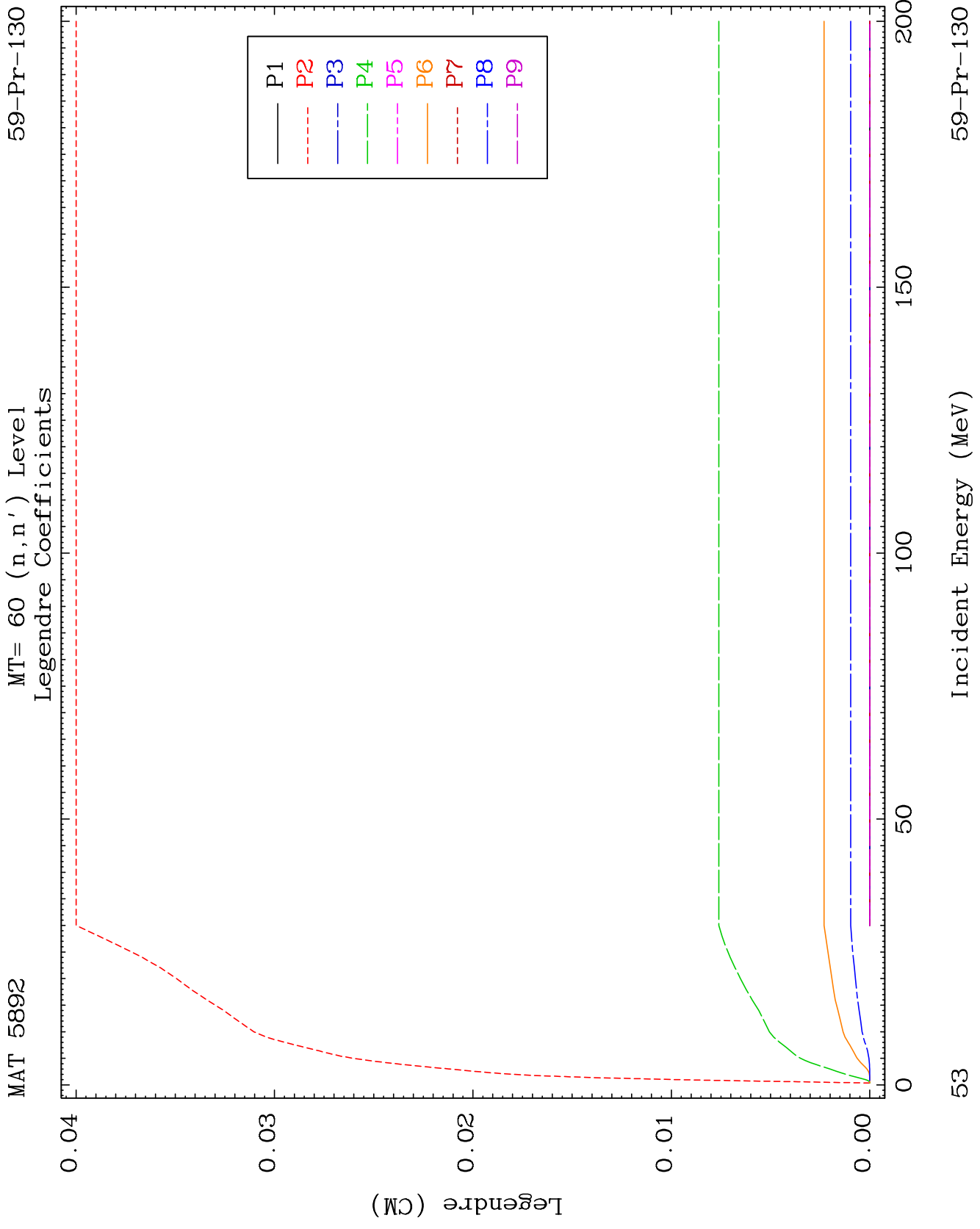
59-Pr-130



52

Incident Energy (MeV)

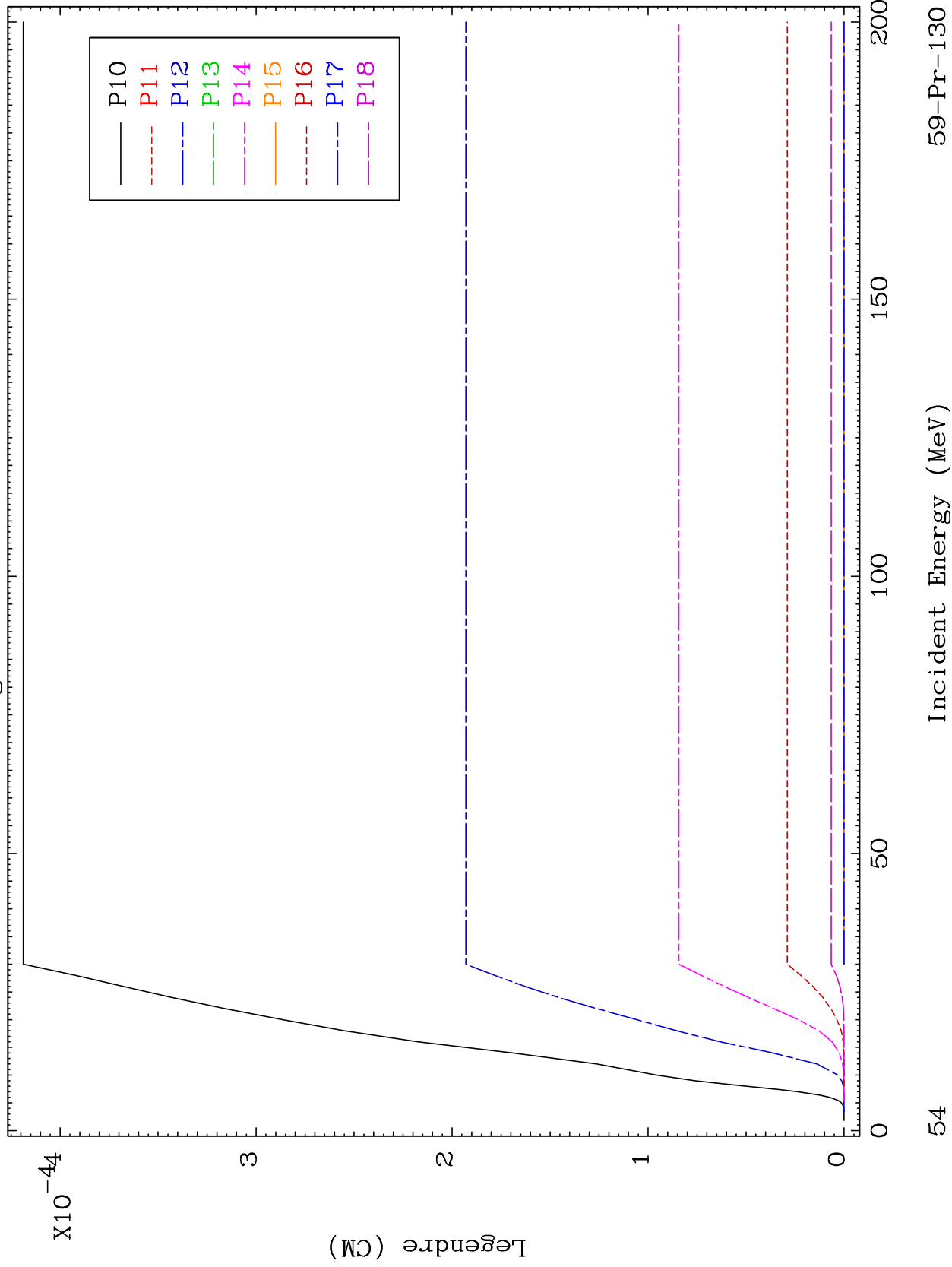
59-Pr-130



MAT 5892

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

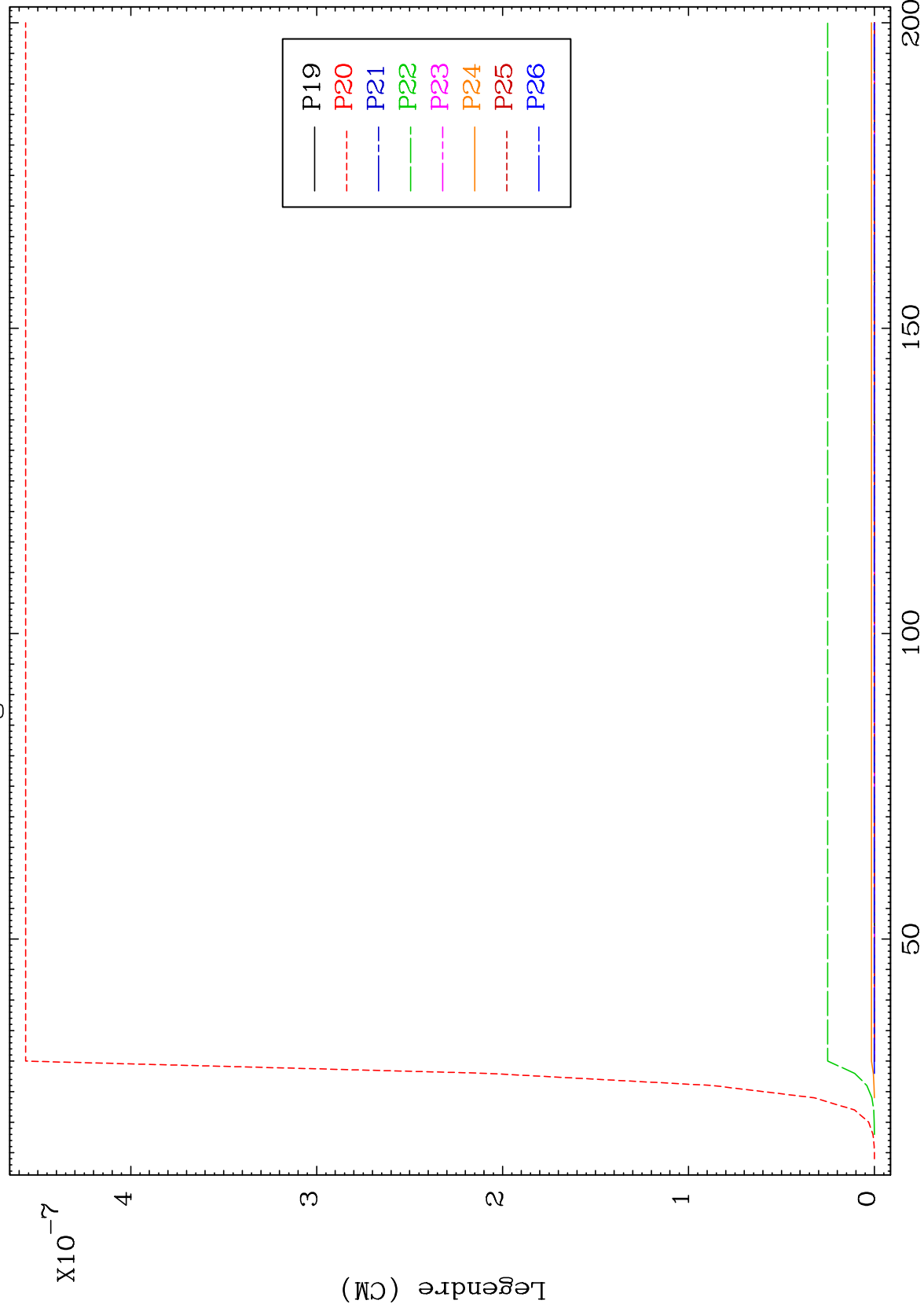
59-Pr-130



MAT 5892

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

59-Pr-130



59-Pr-130

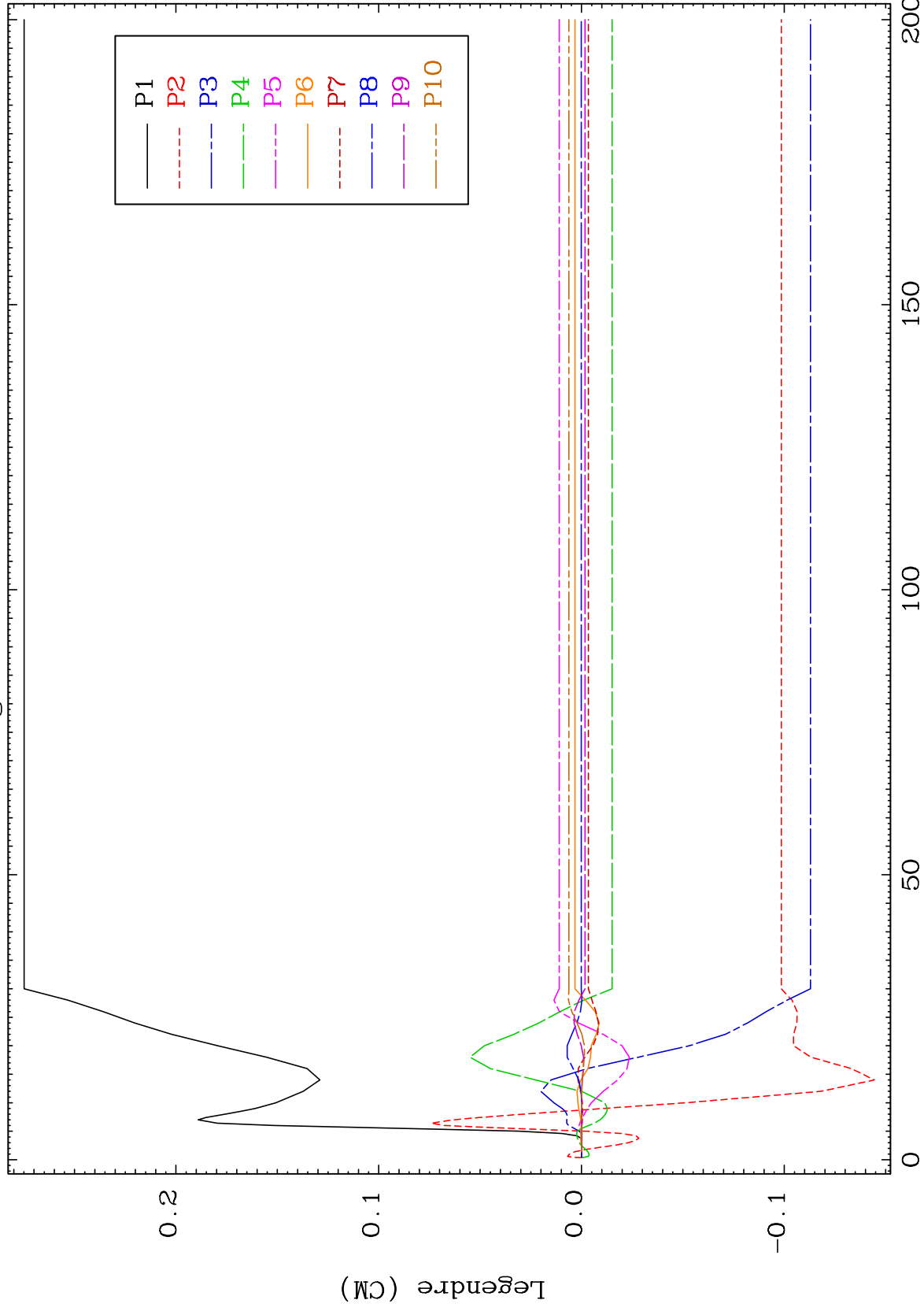
Incident Energy (MeV)

55

MAT 5892

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

59-Pr-130



56

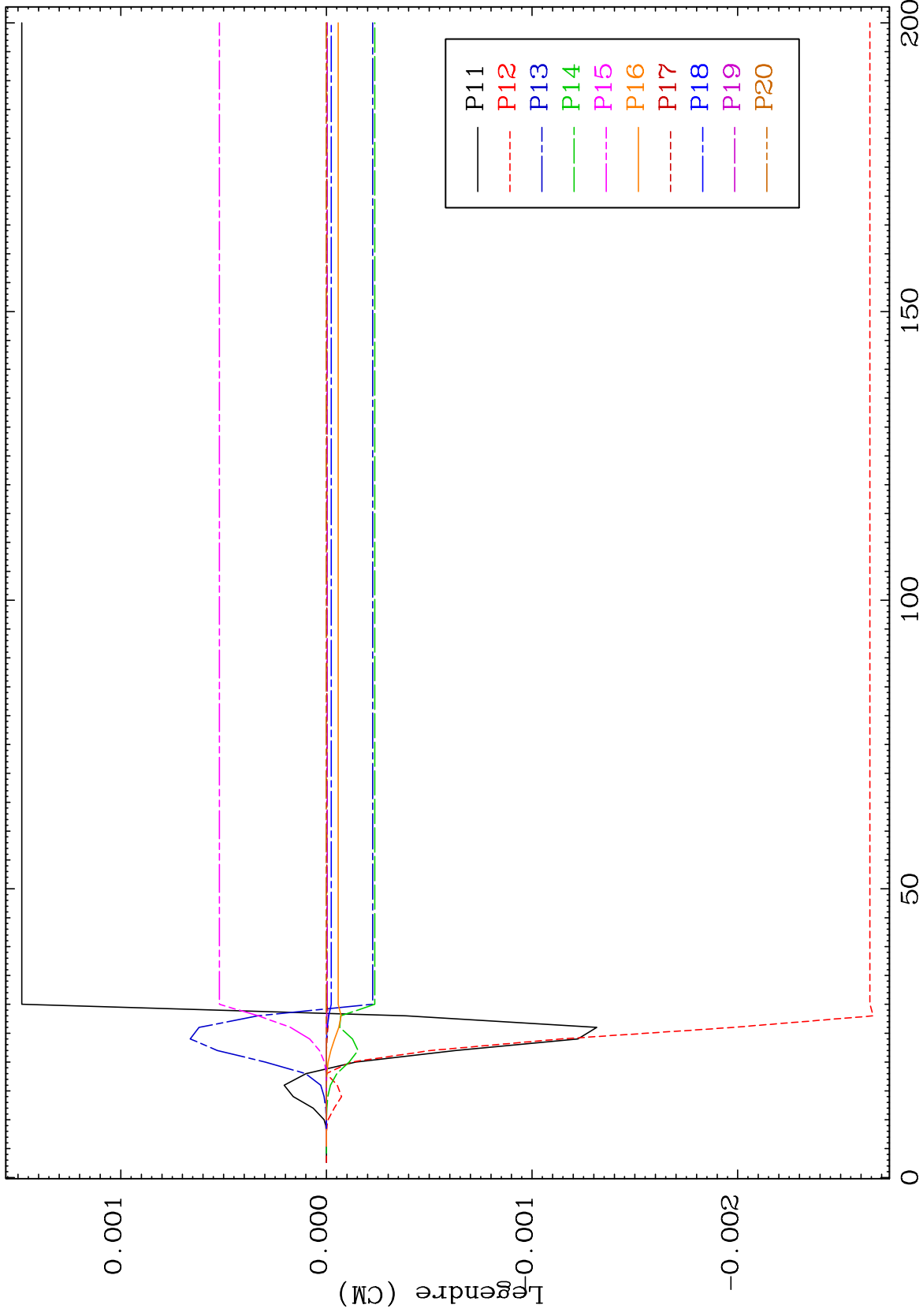
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



57

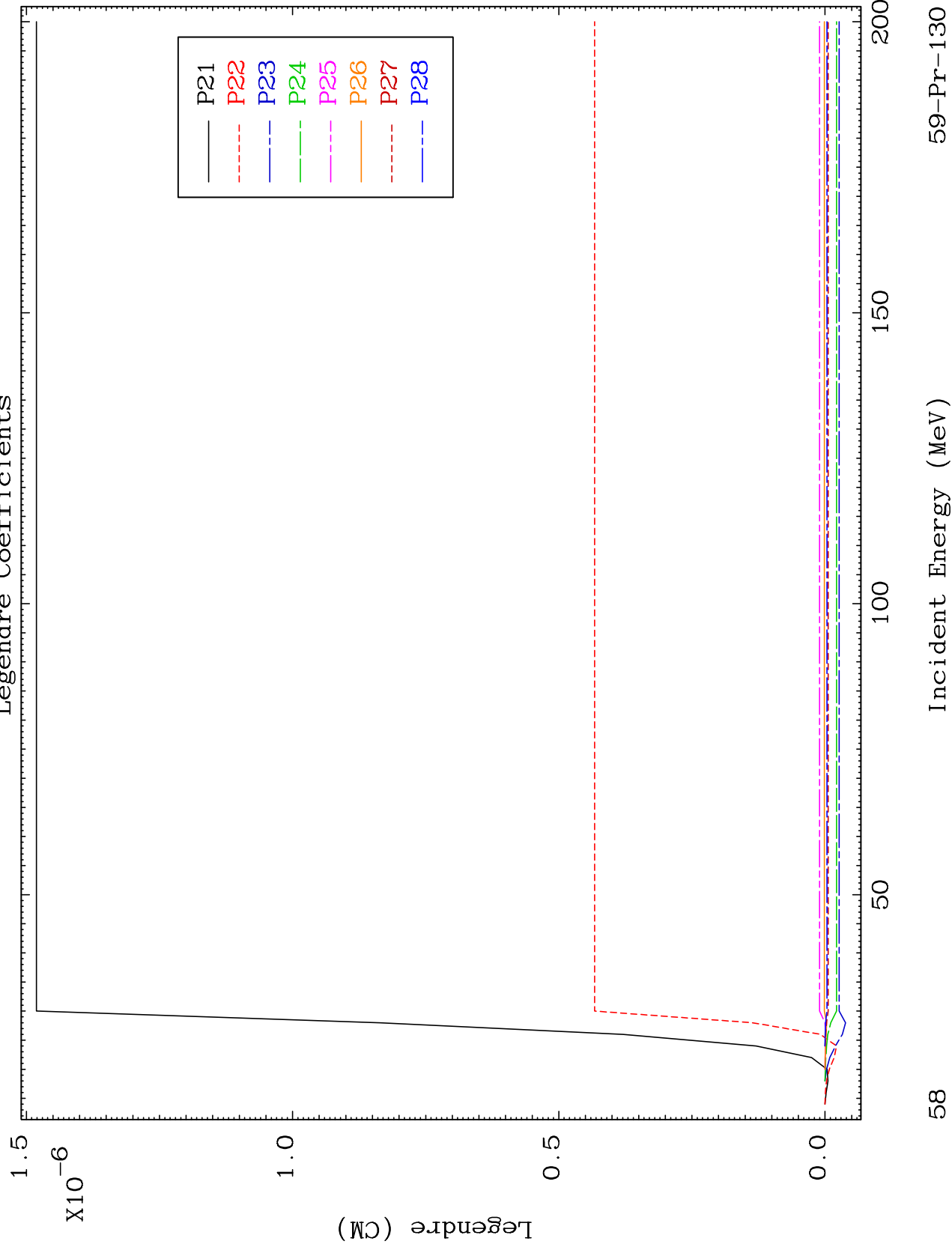
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

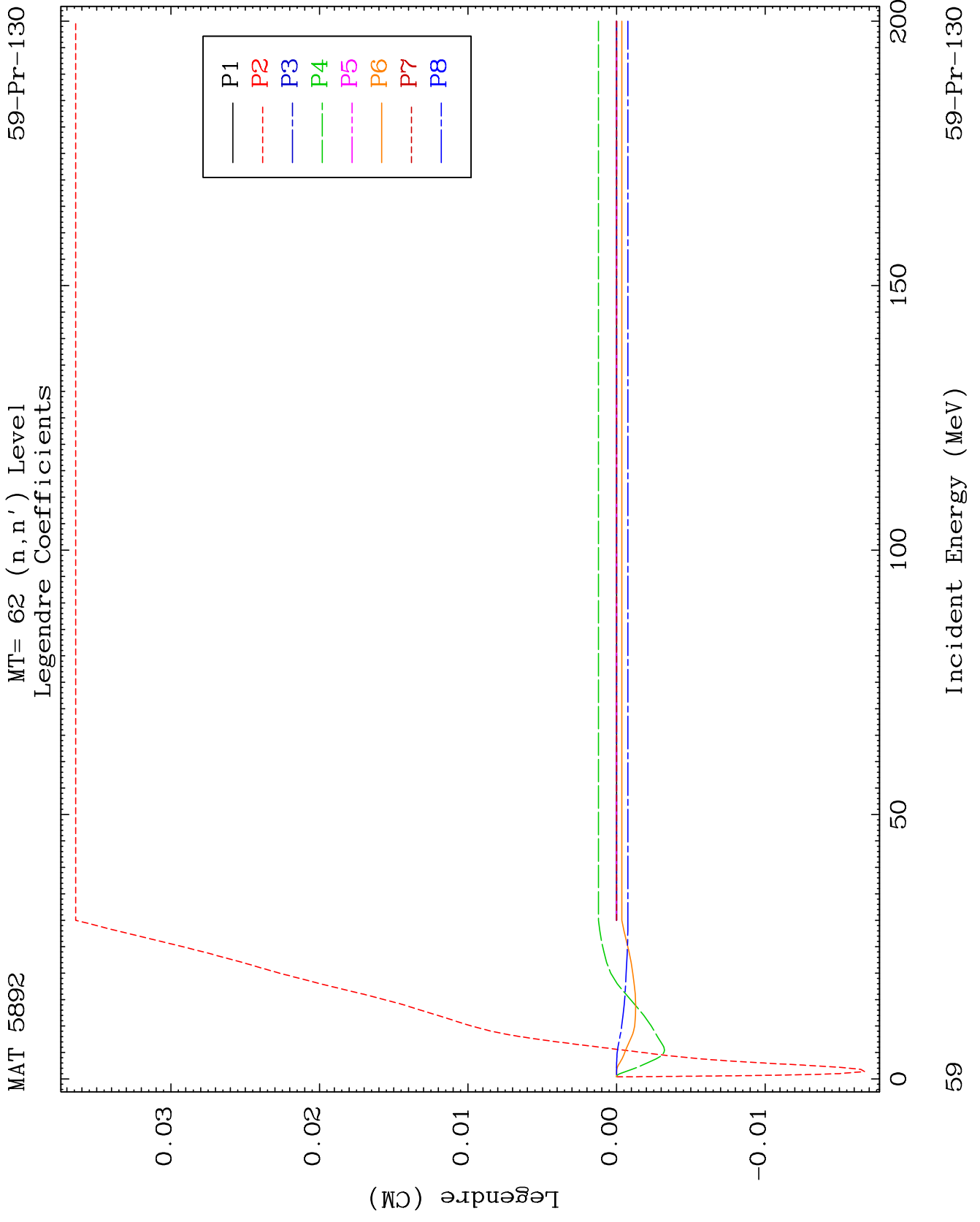
59-Pr-130

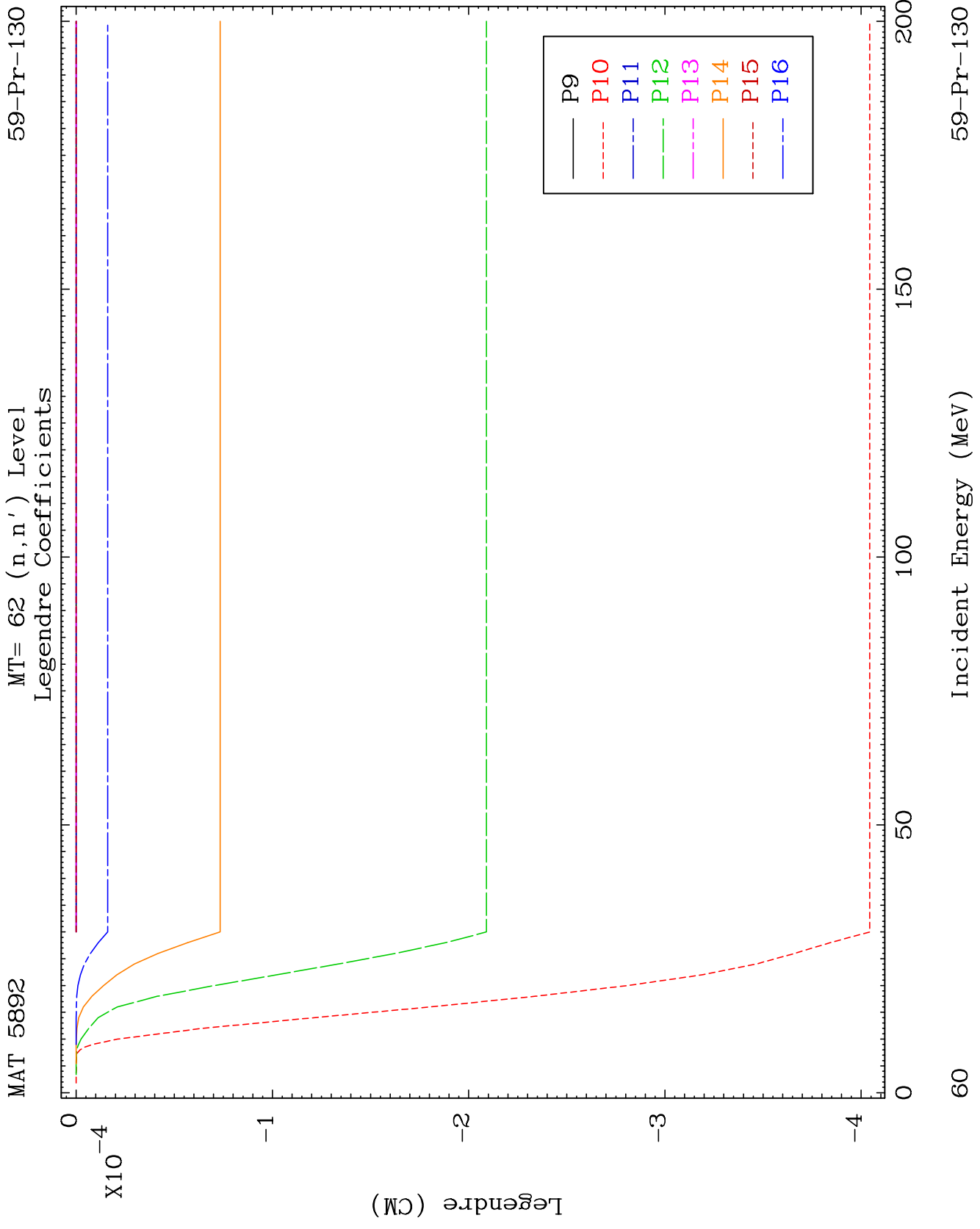


58

Incident Energy (MeV)

59-Pr-130

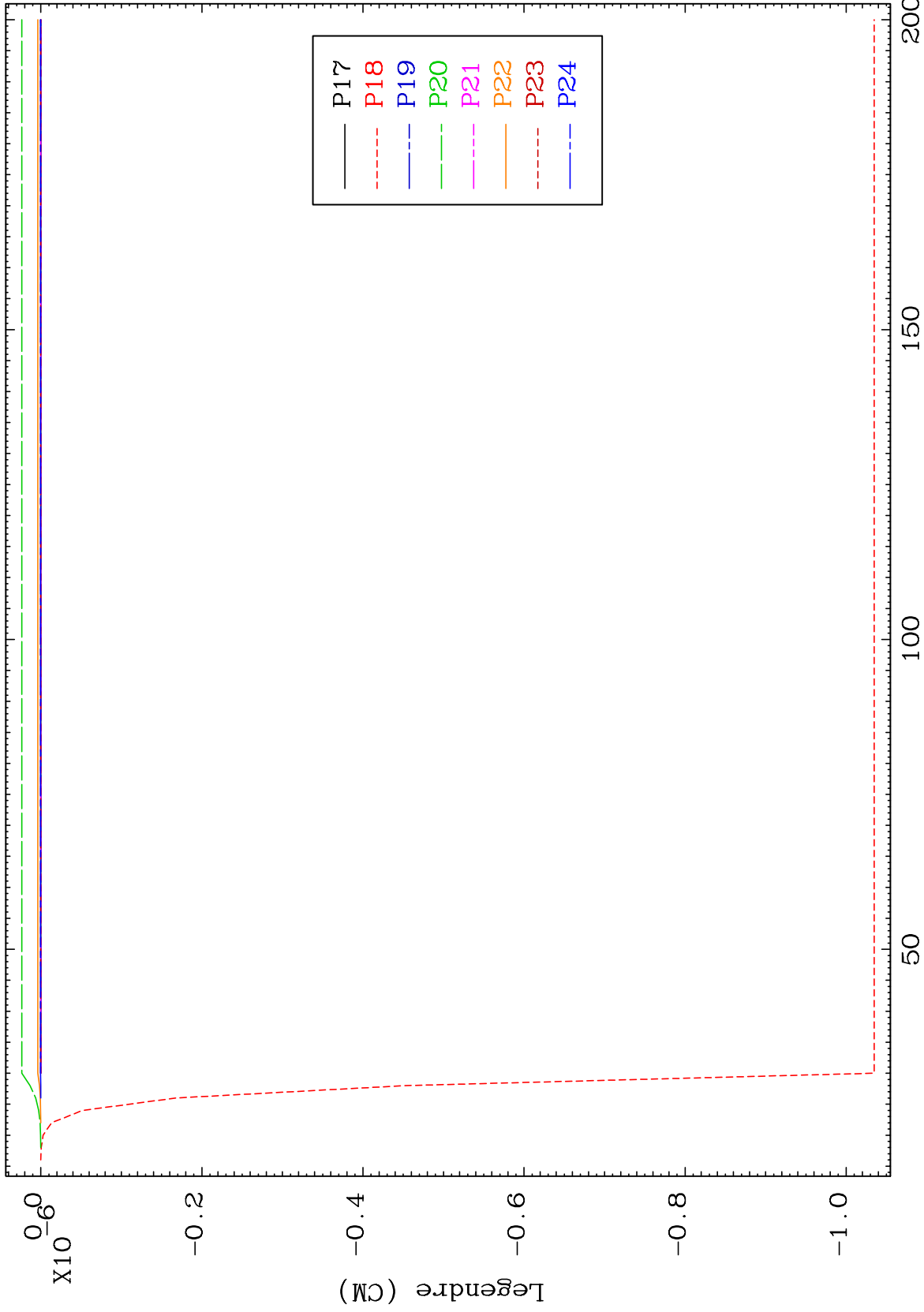




MAT 5892

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

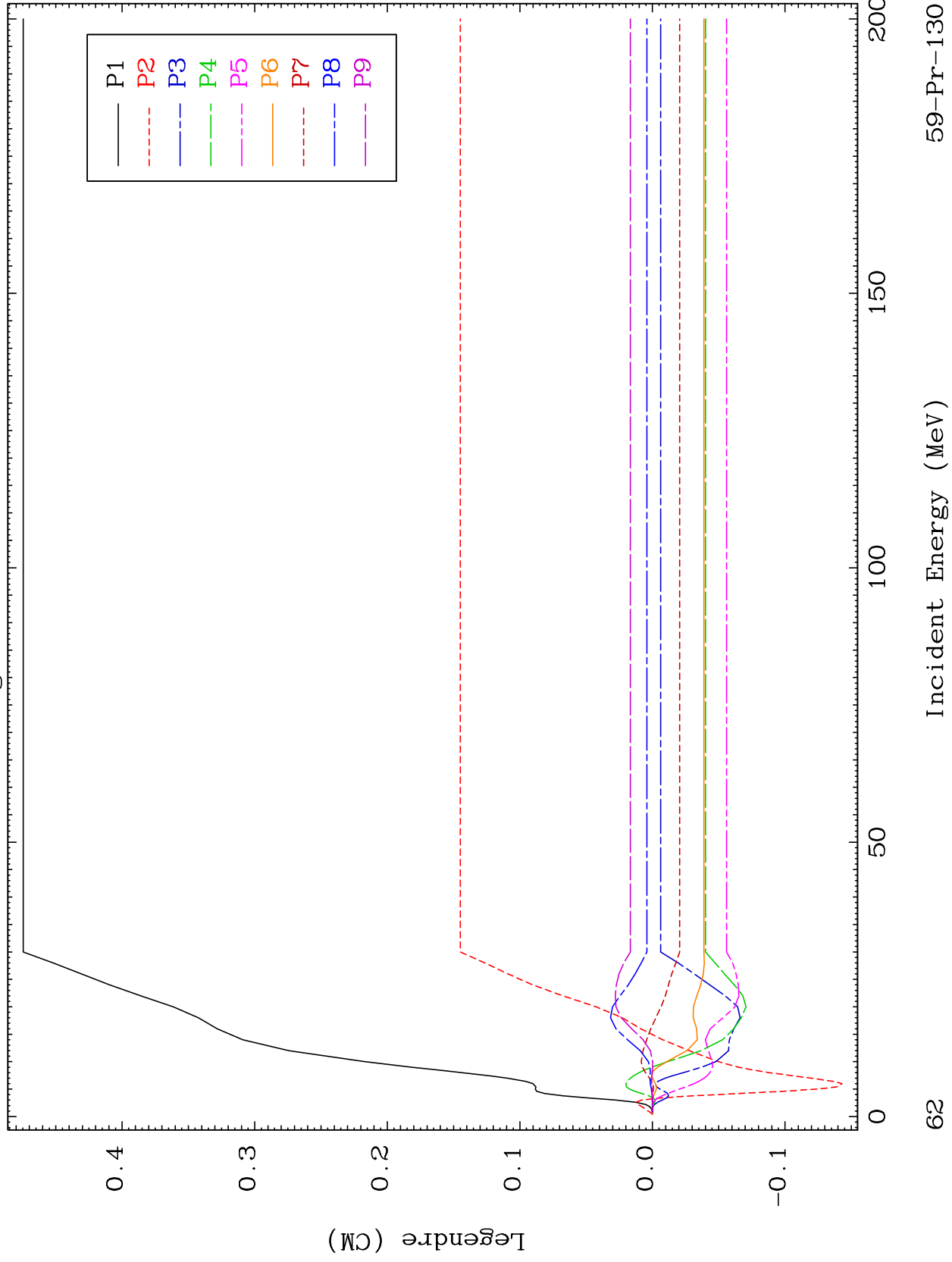
59-Pr-130



MAT 5892

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

59-Pr-130



59-Pr-130

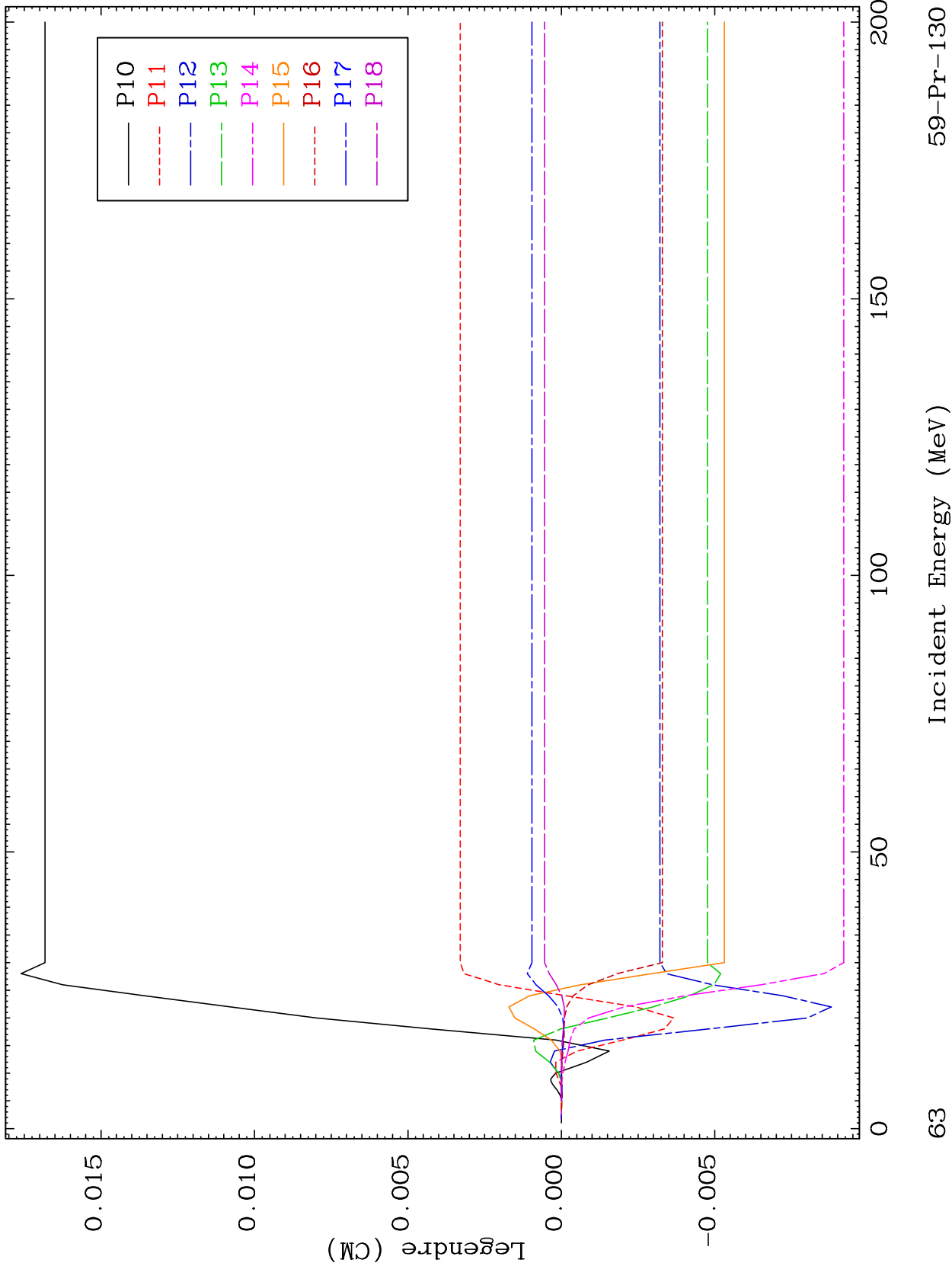
Incident Energy (MeV)

62

MAT 5892

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

59-Pr-130



63

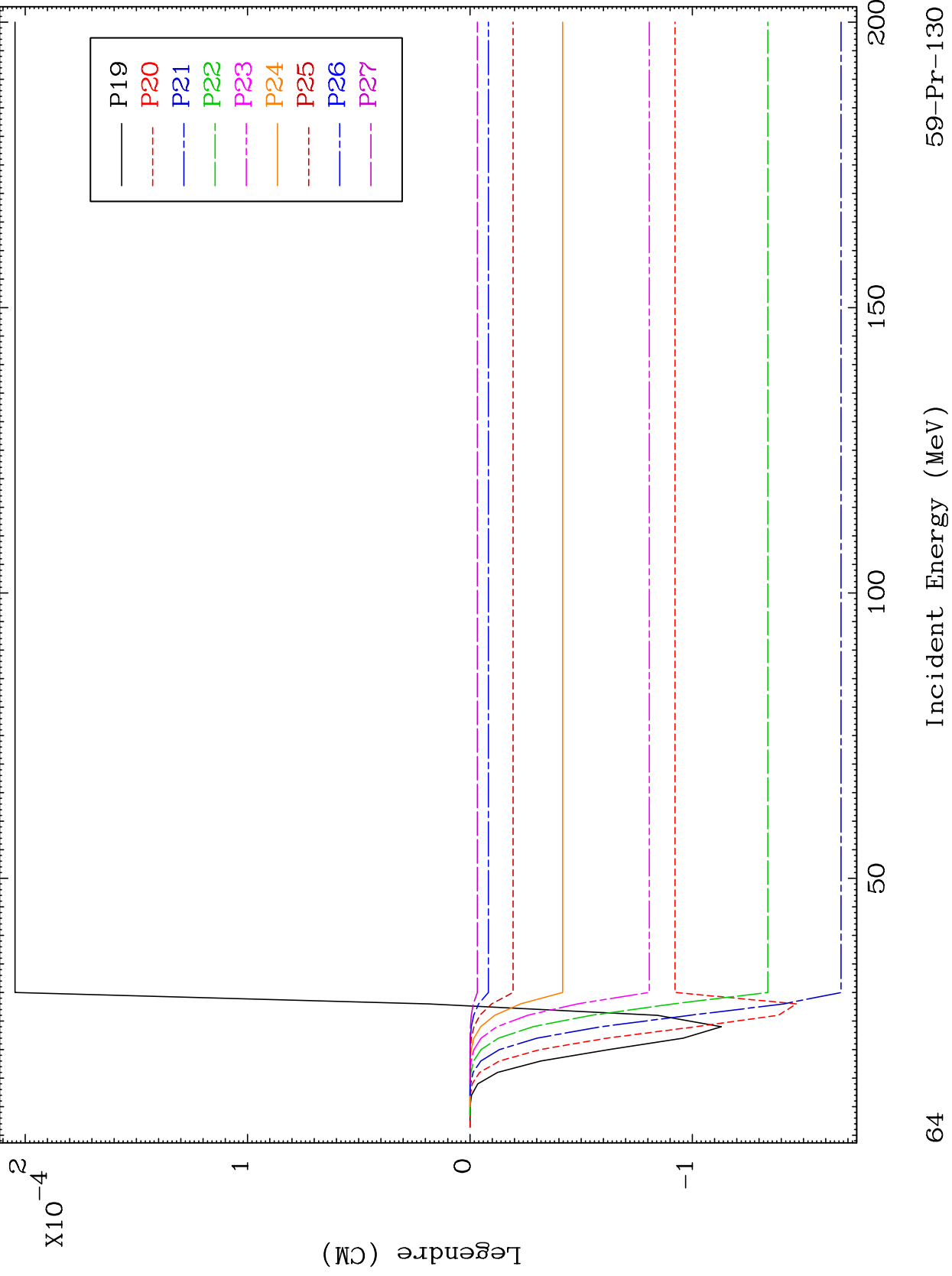
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

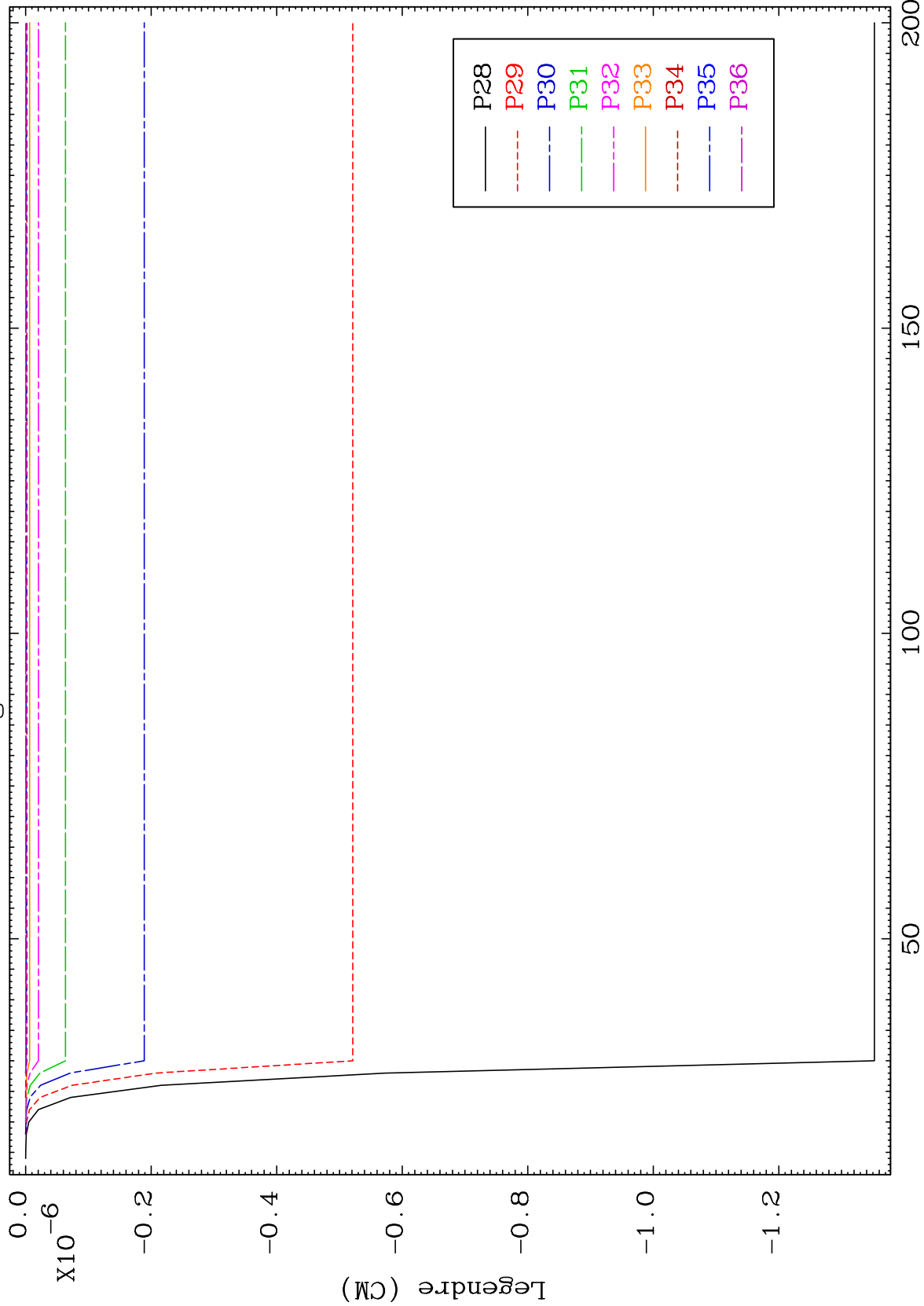
59-Pr-130



MAT 5892

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

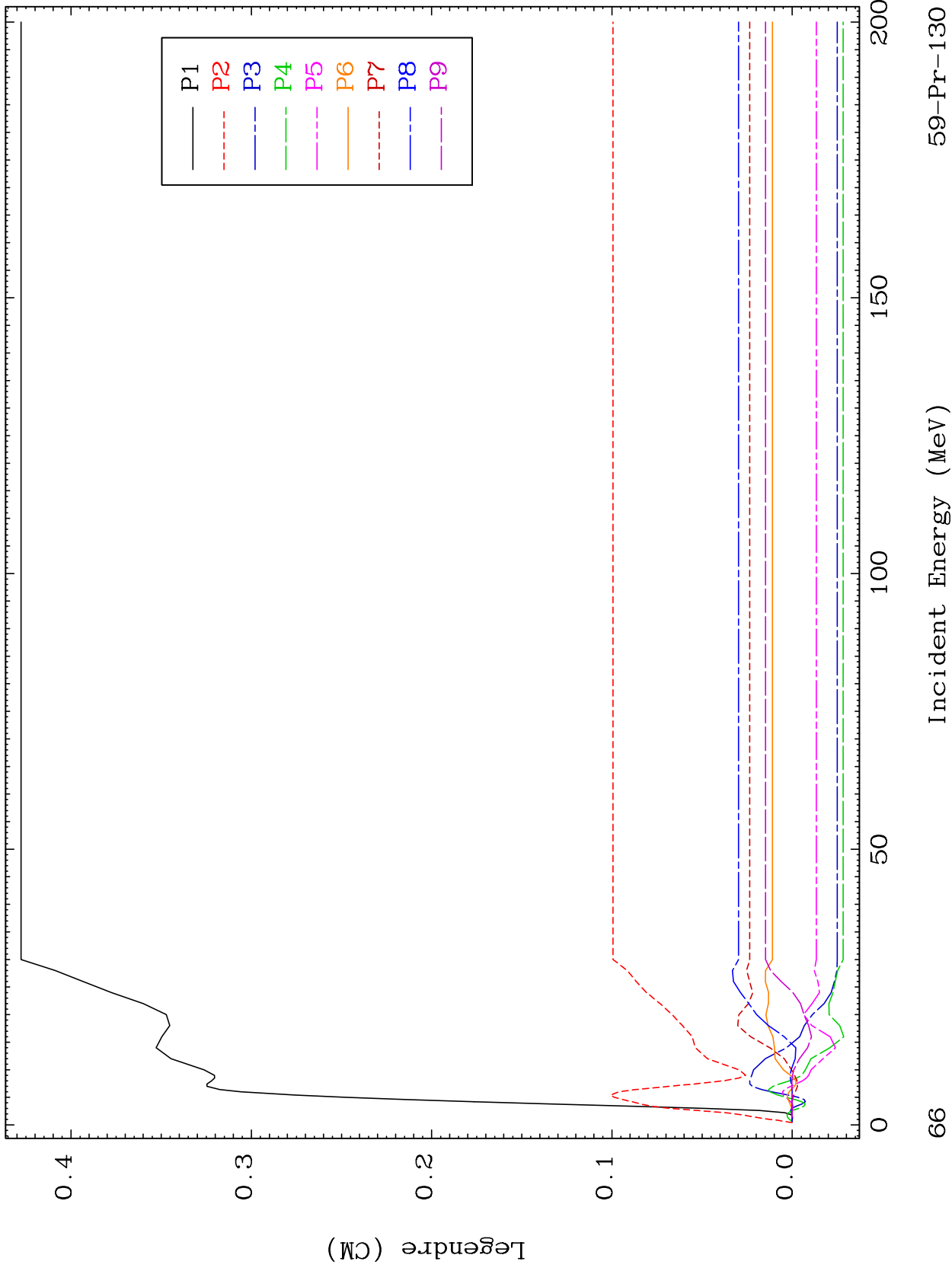
59-Pr-130



65

Incident Energy (MeV)

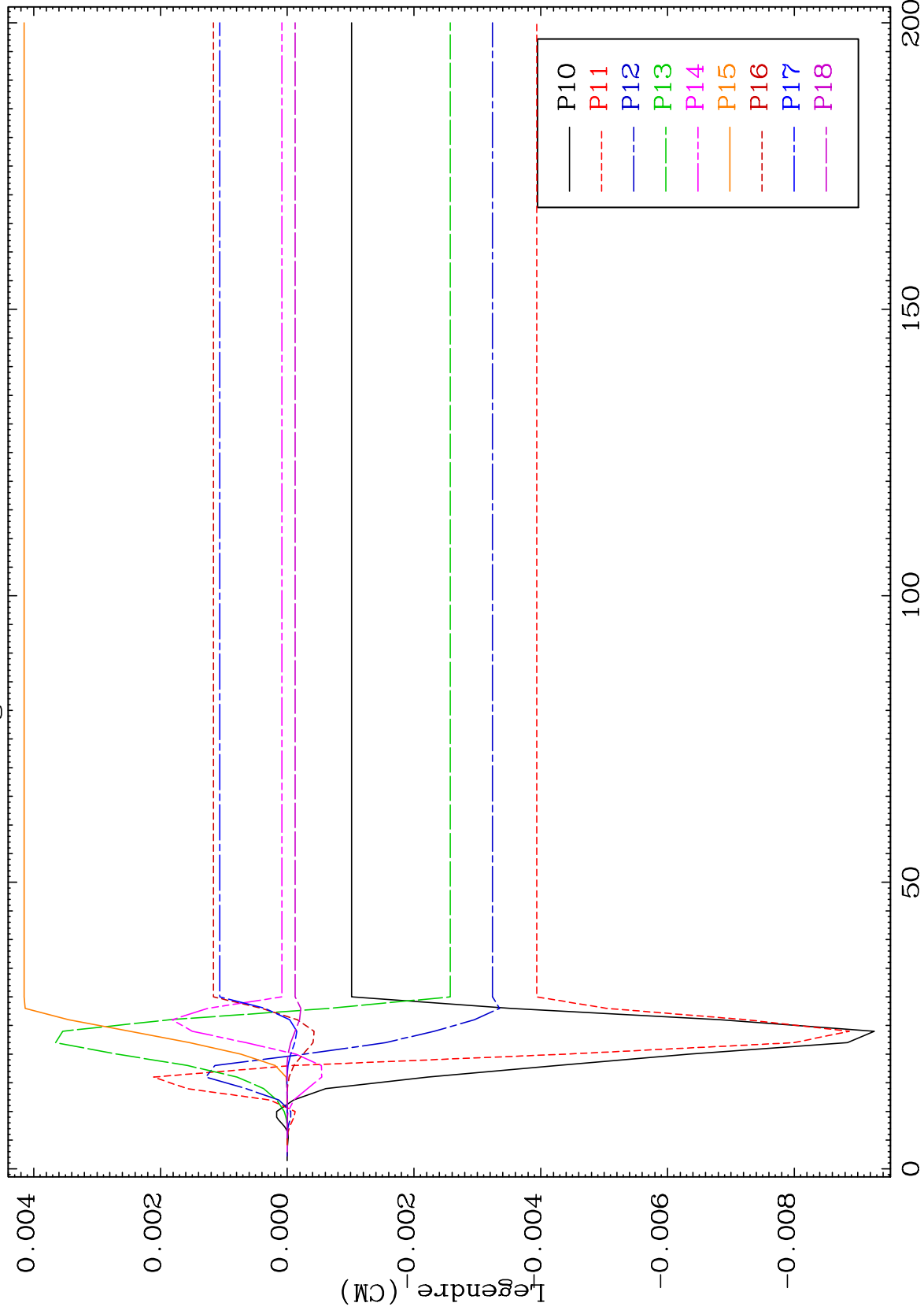
59-Pr-130



MAT 5892

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

59-Pr-130



67

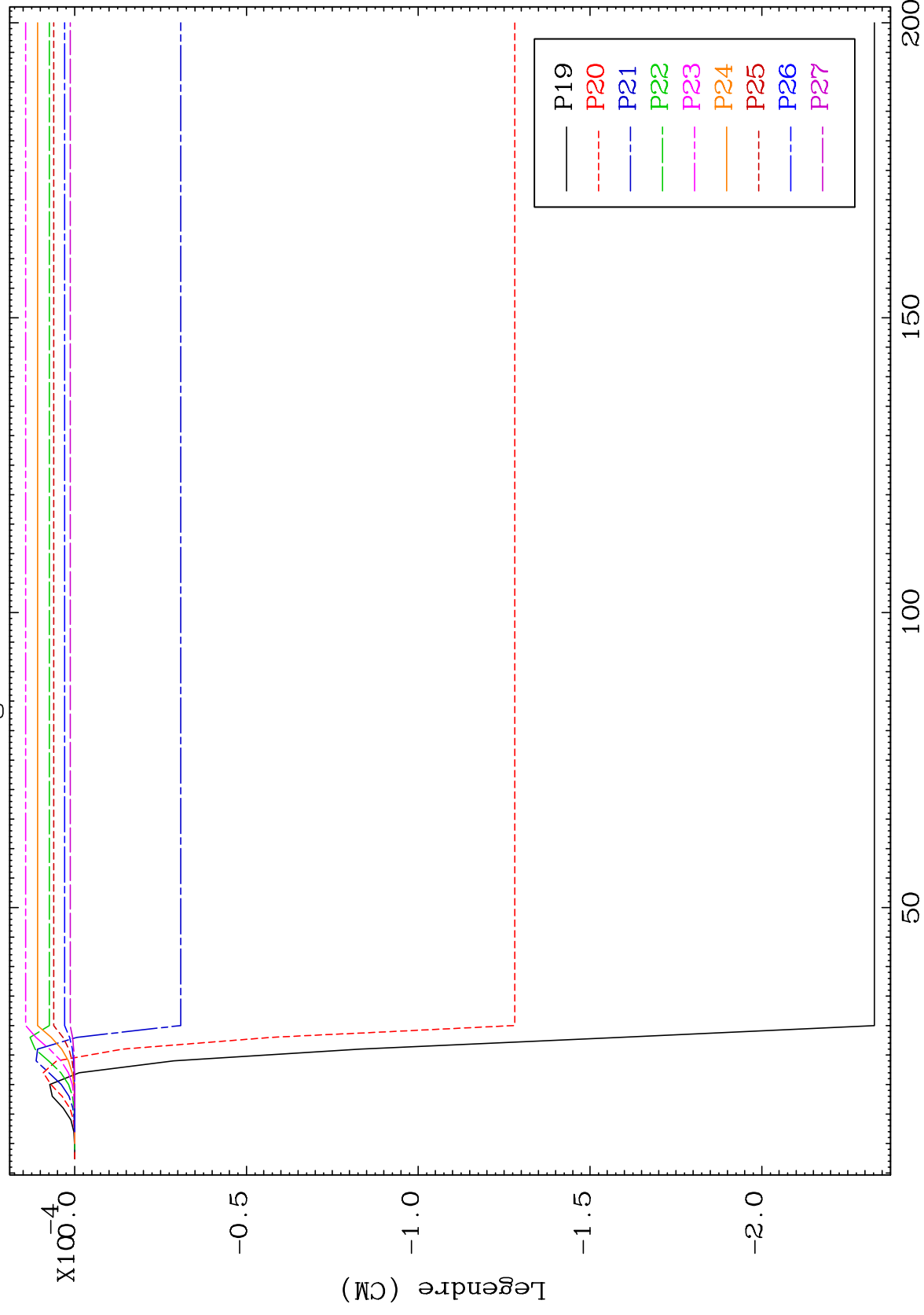
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

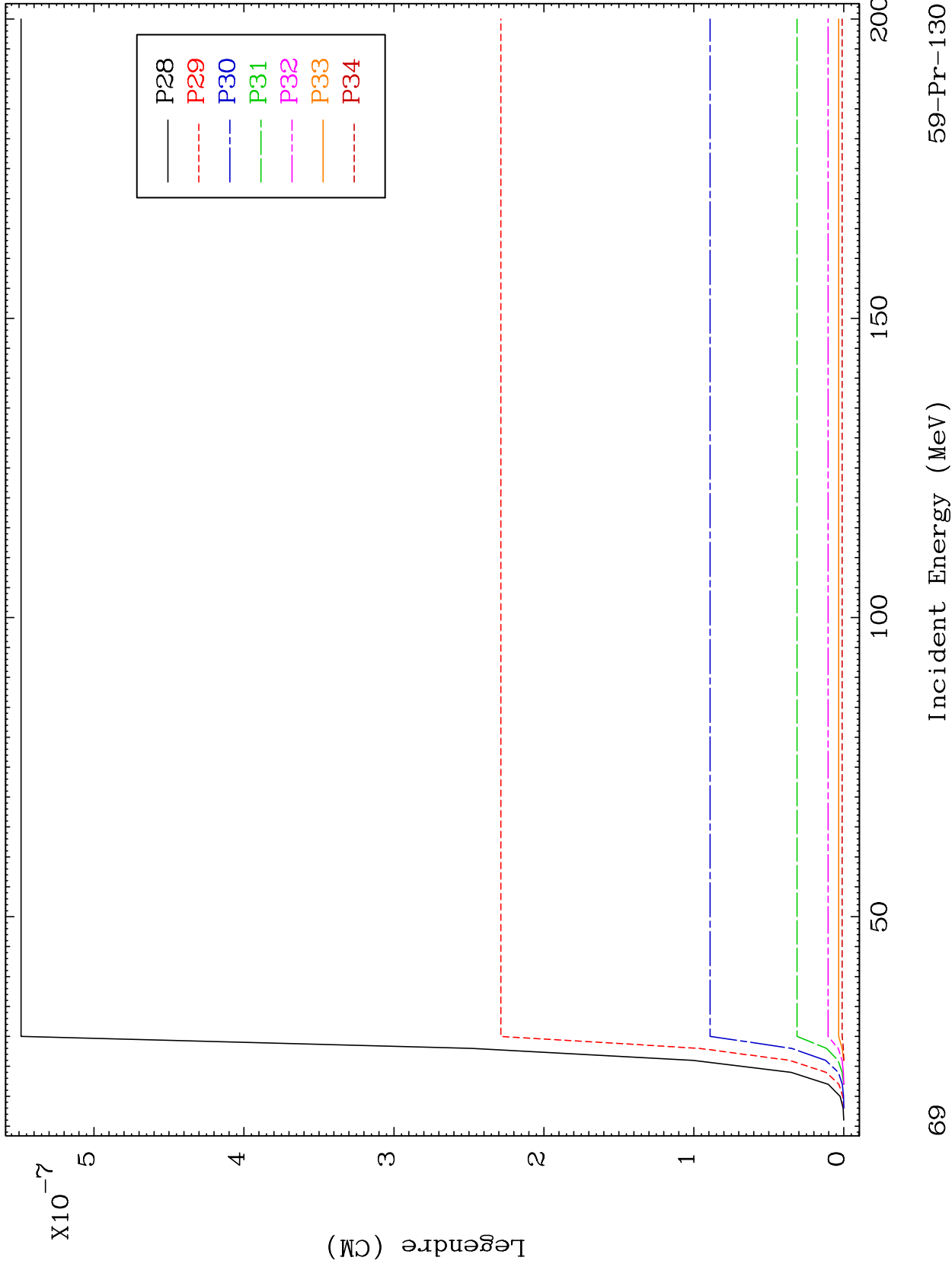
59-Pr-130



MAT 5892

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

59-Pr-130



69

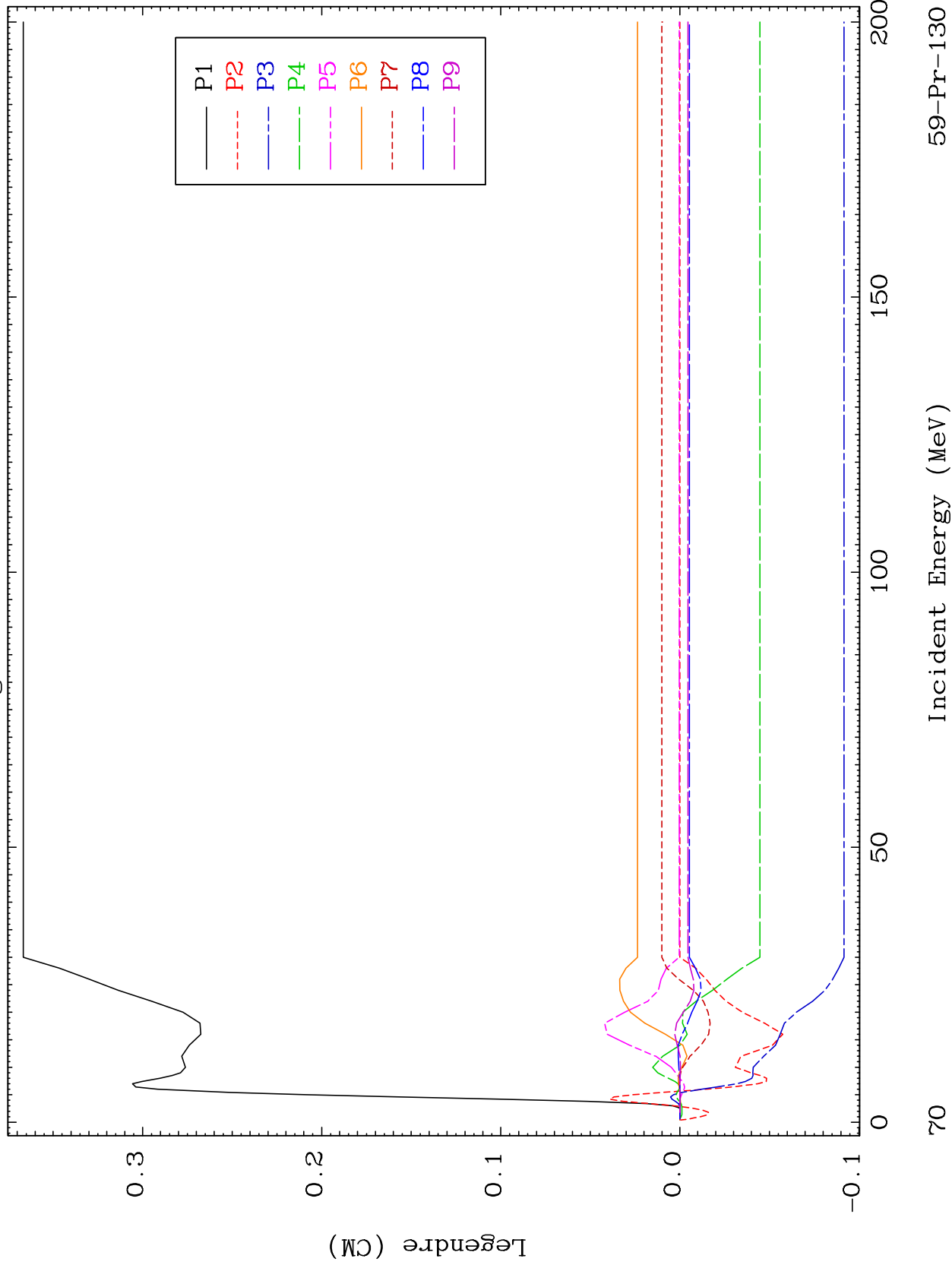
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



59-Pr-130

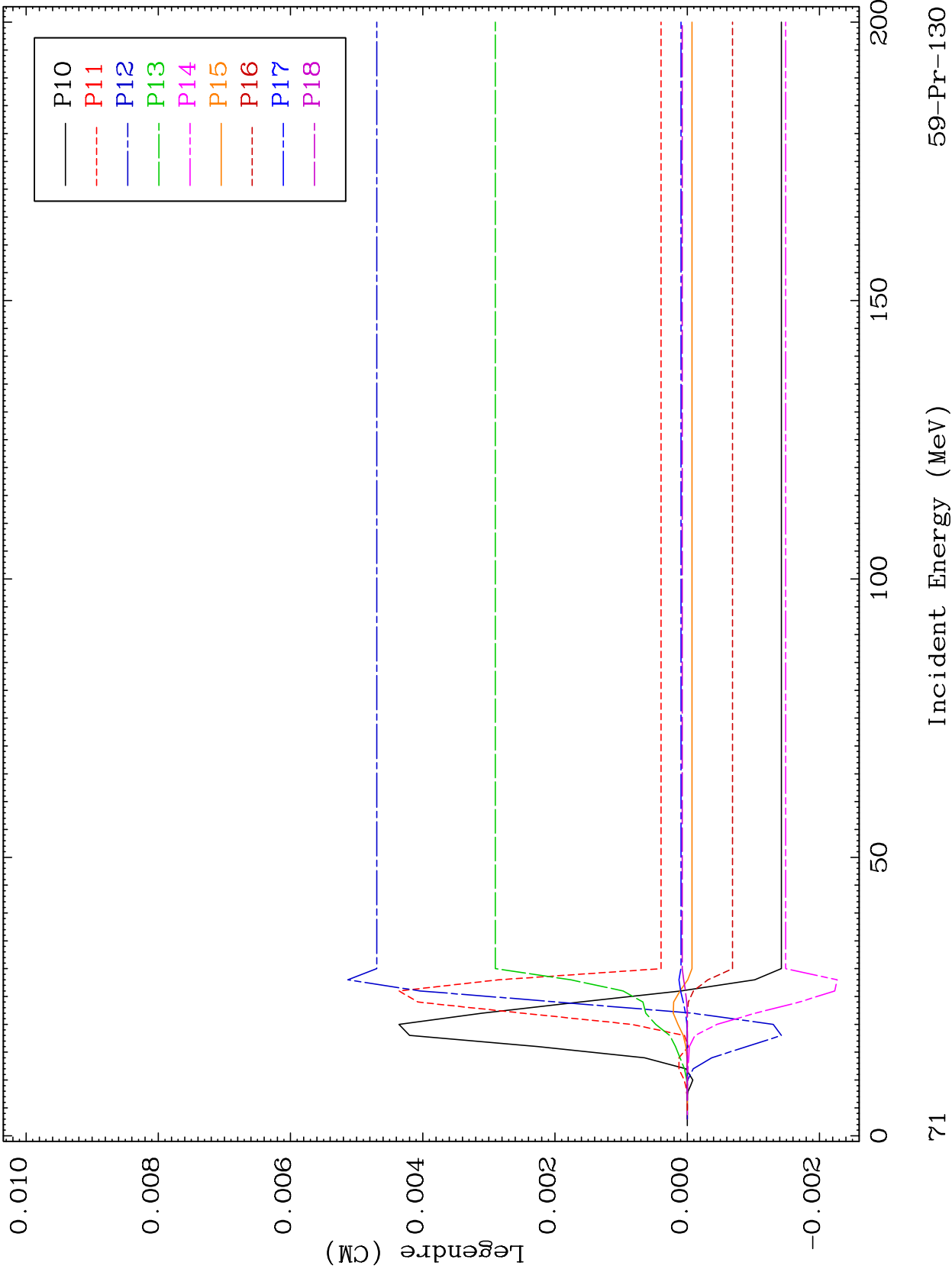
Incident Energy (MeV)

70

MAT 5892

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

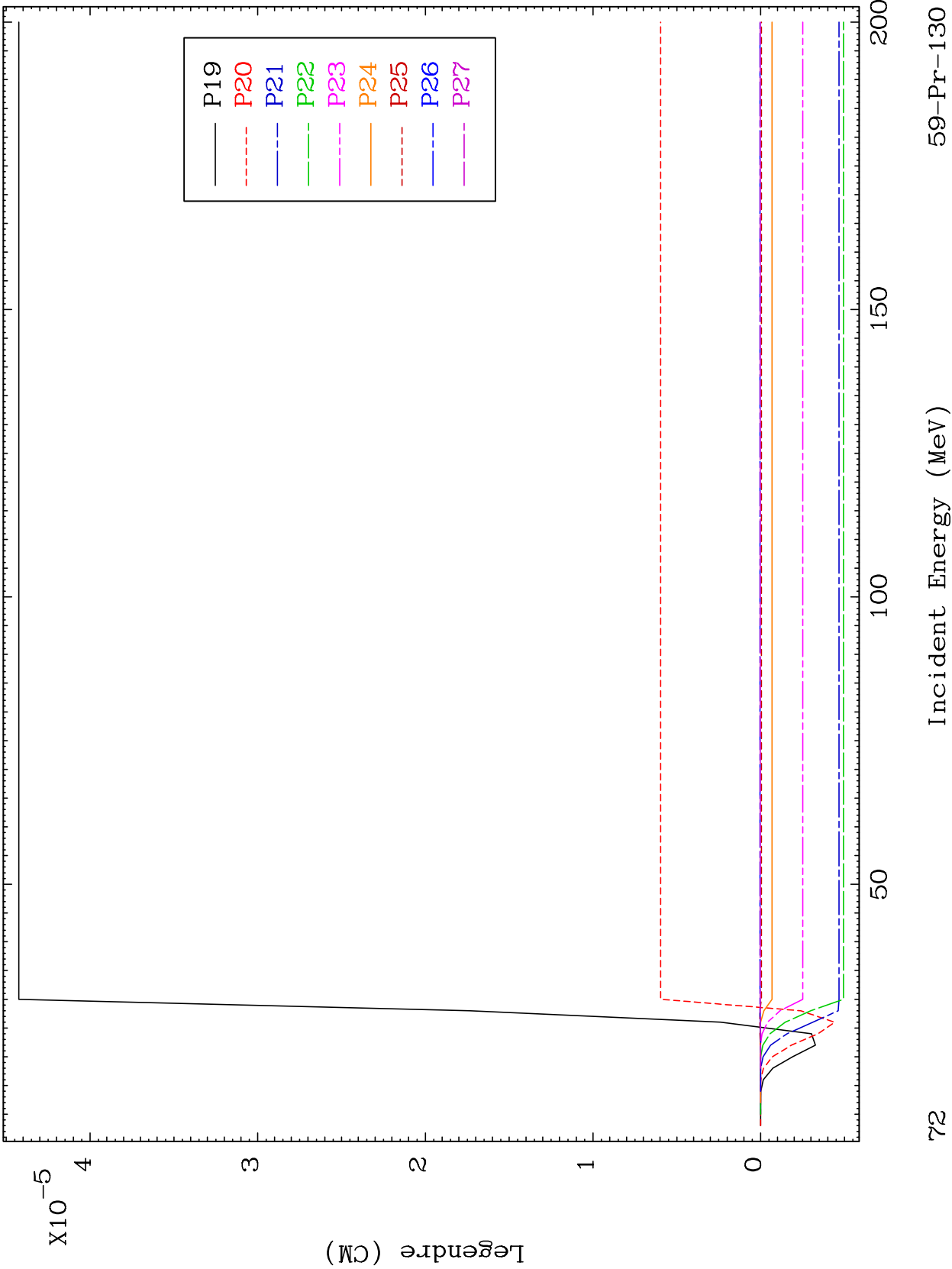
59-Pr-130

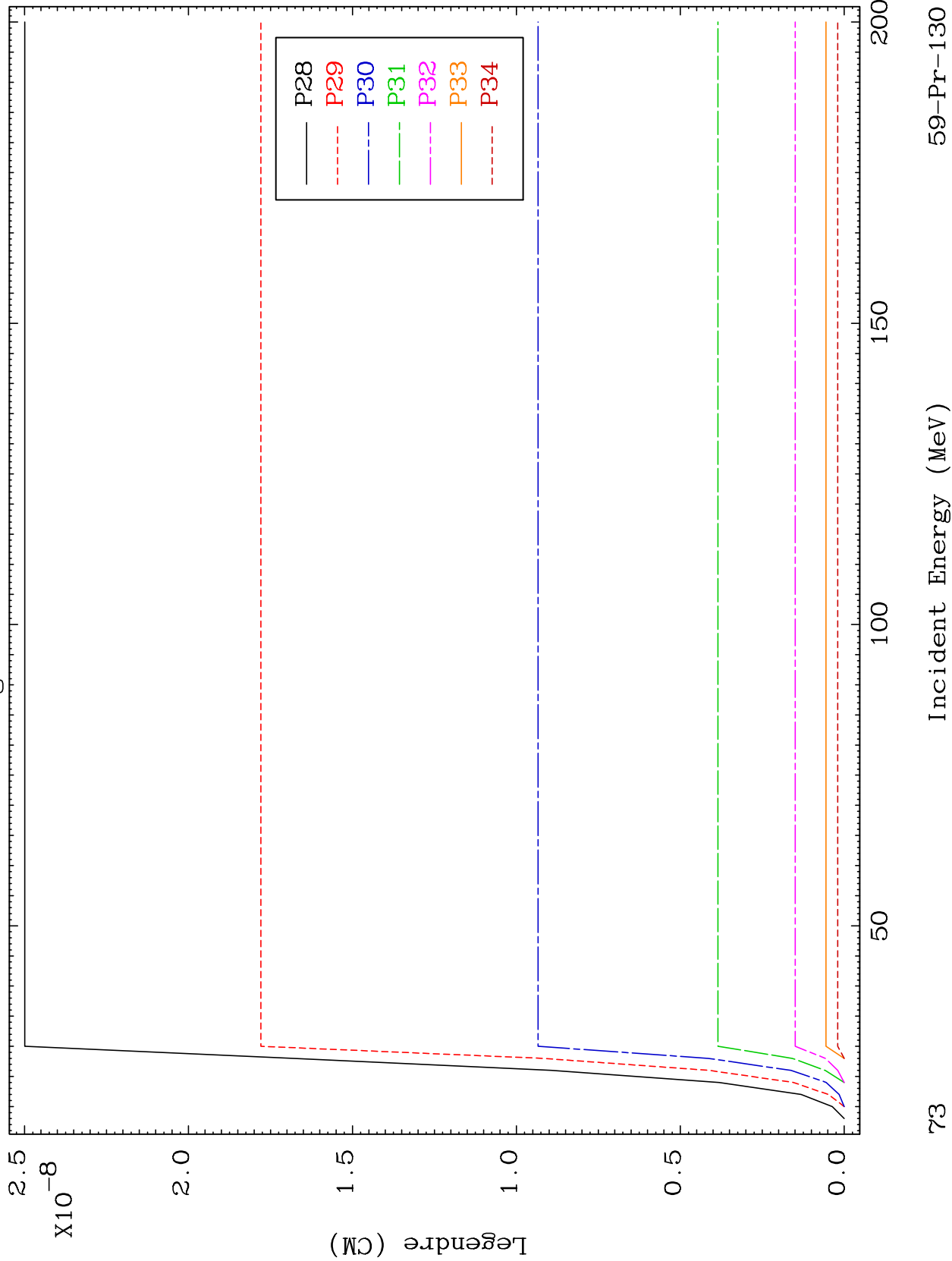


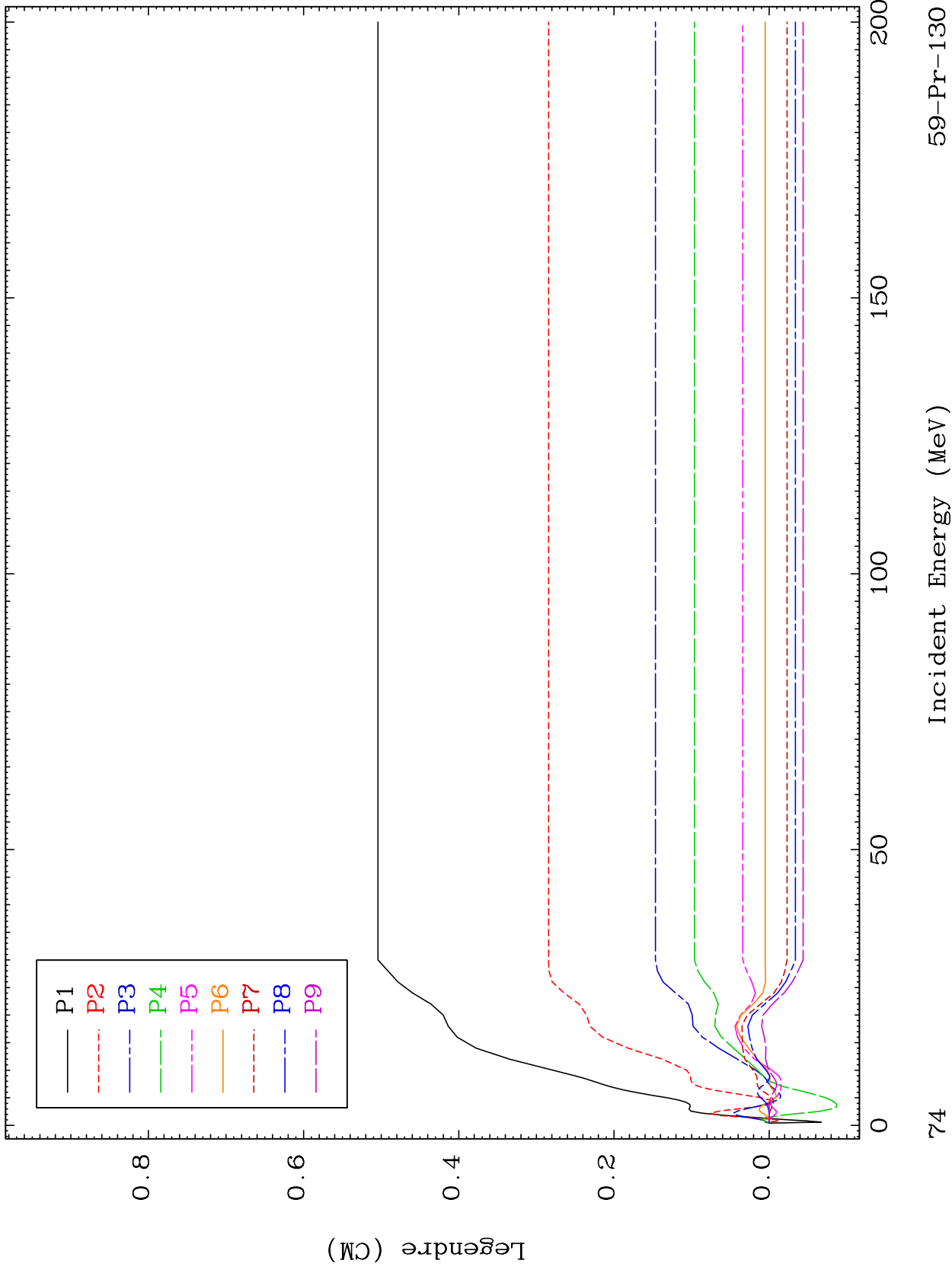
71

Incident Energy (MeV)

59-Pr-130



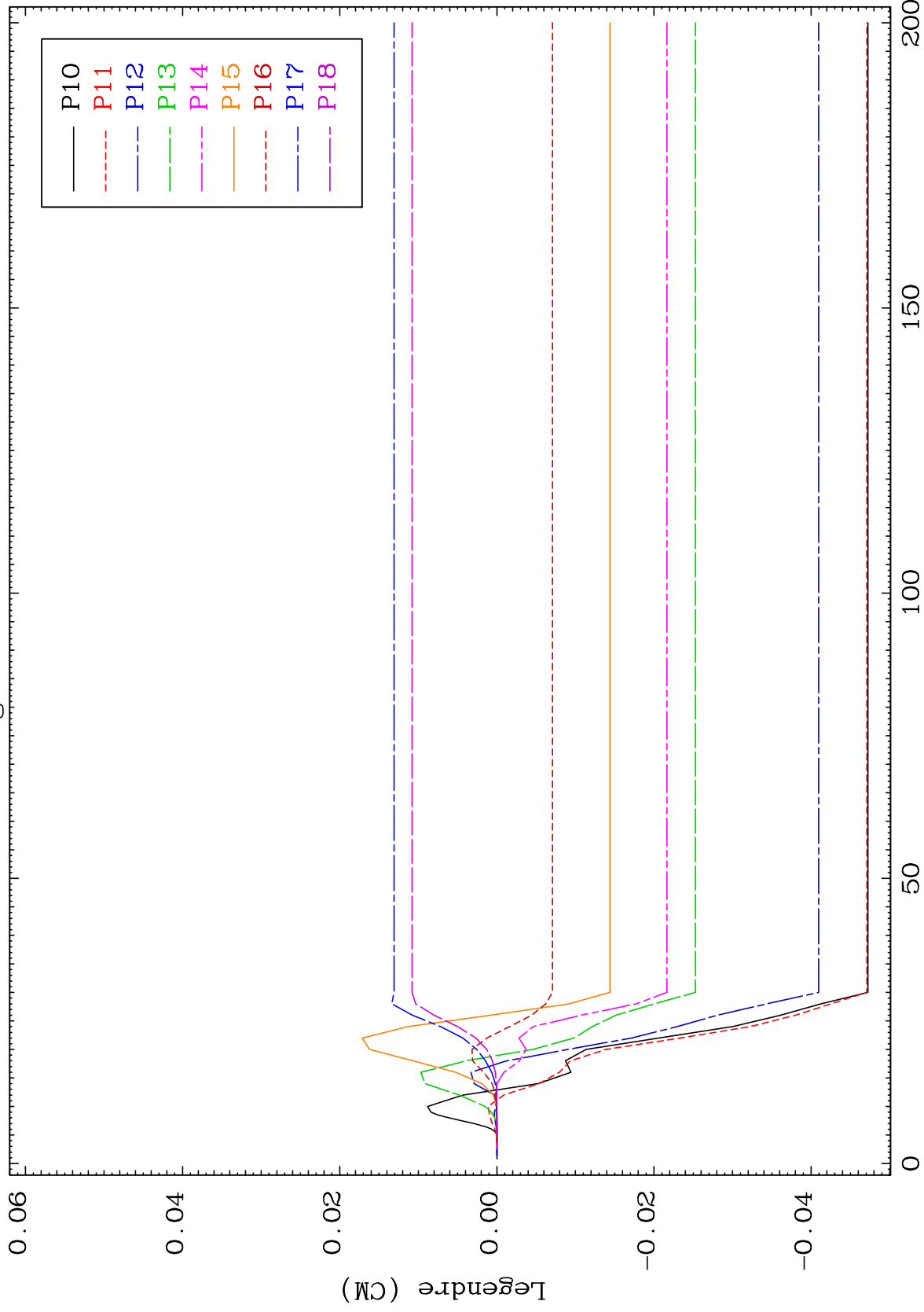




MAT 5892

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

59-Pr-130



75

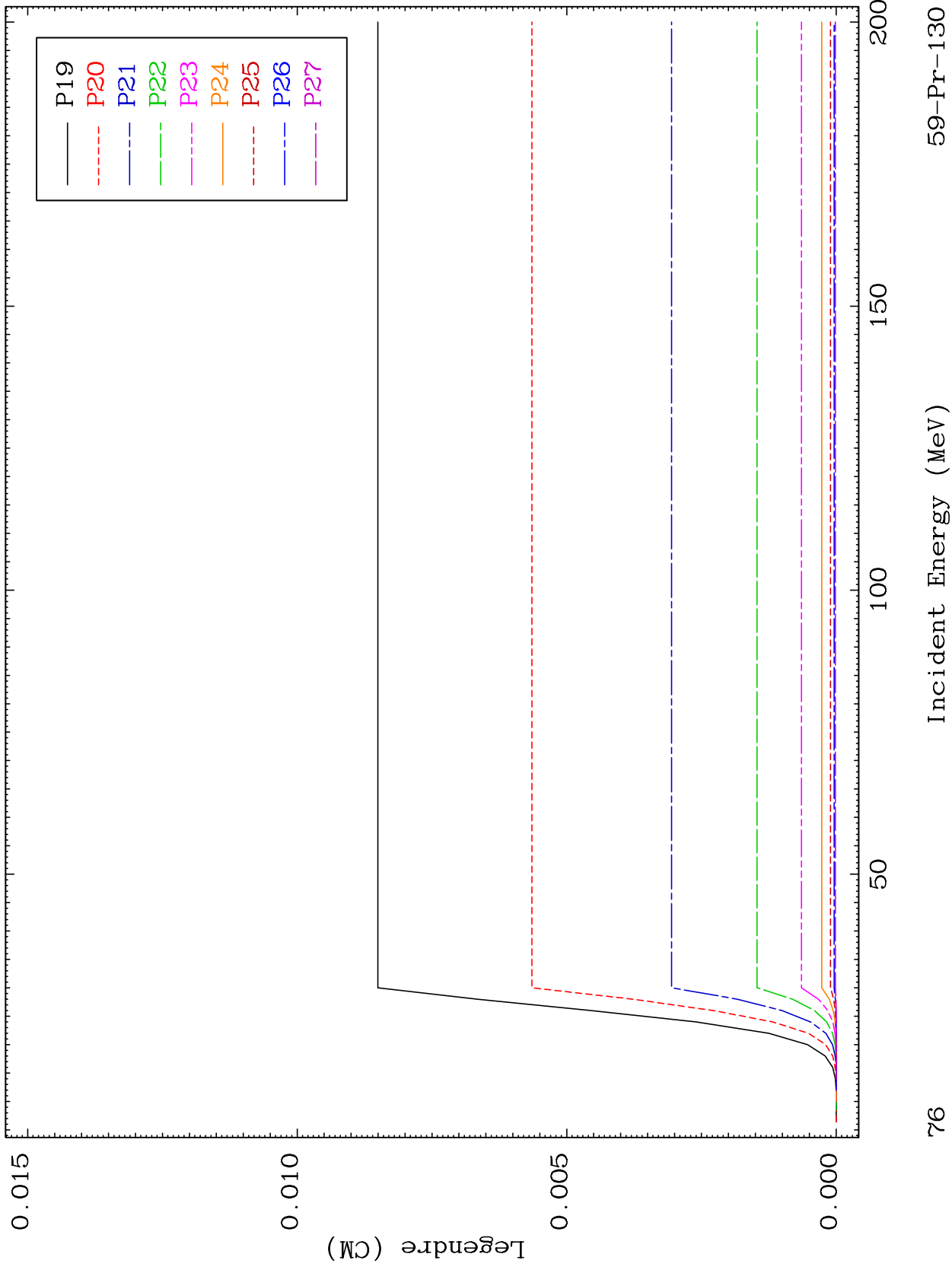
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



76

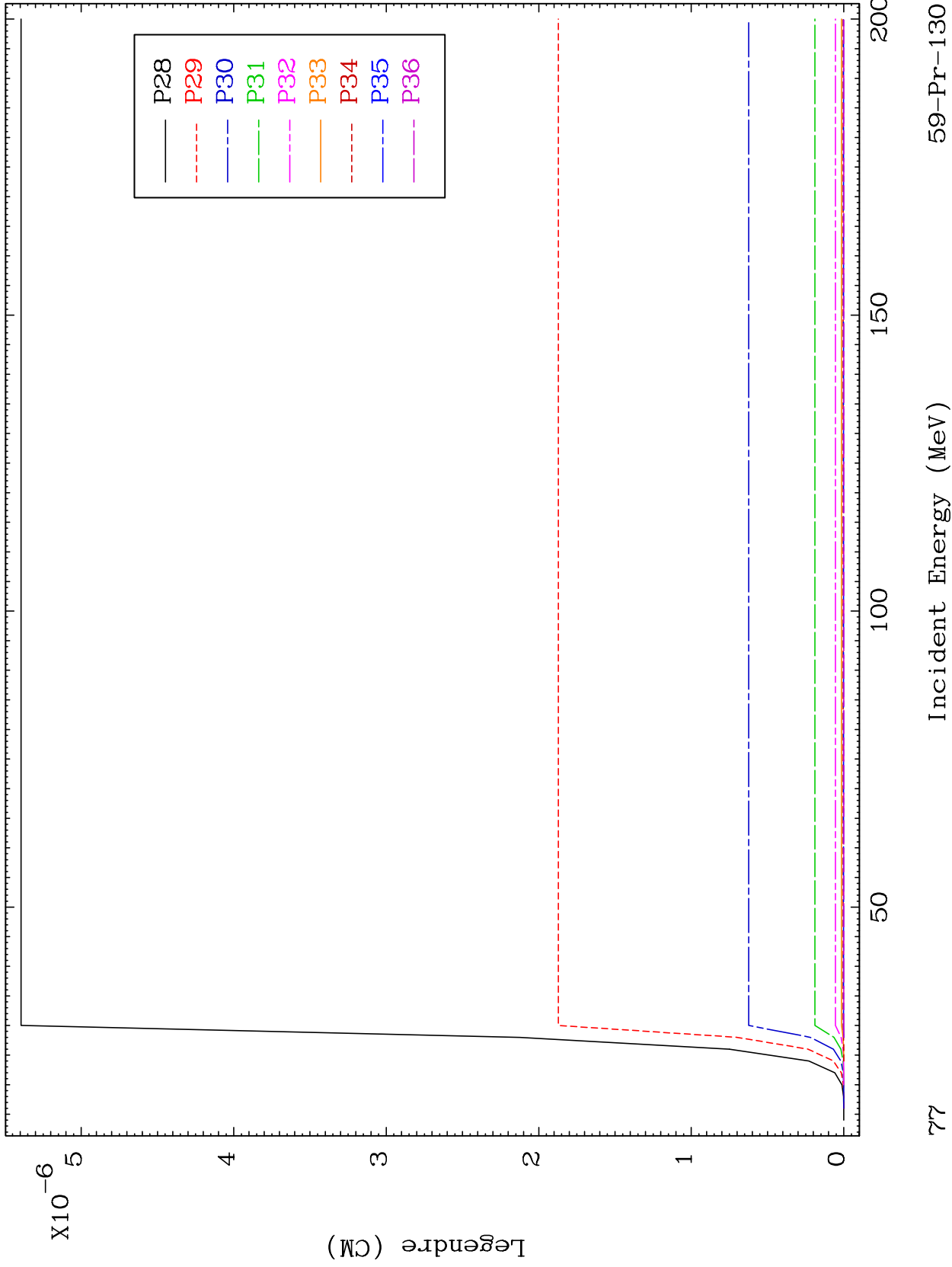
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

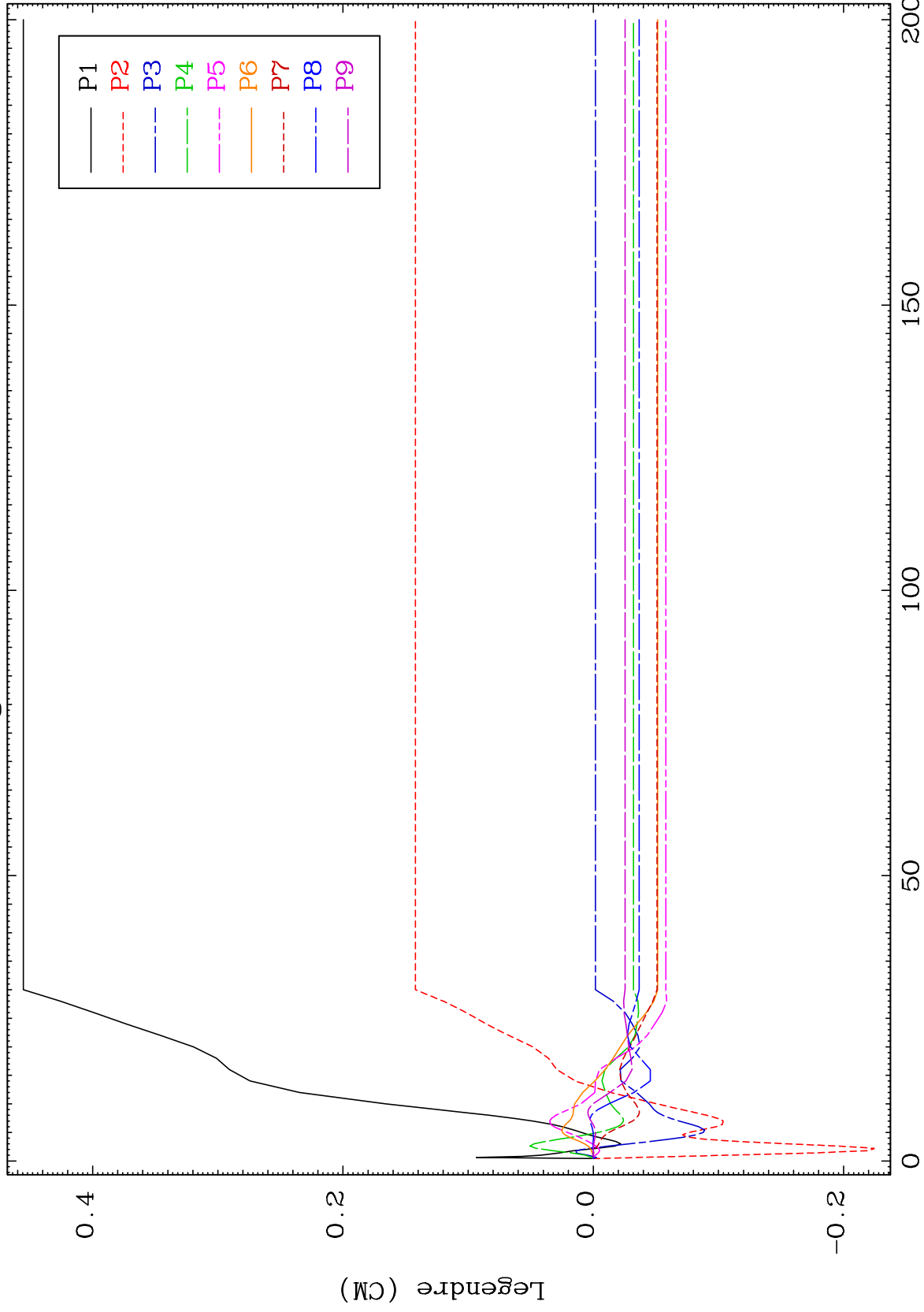
59-Pr-130



MAT 5892

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

59-Pr-130



78

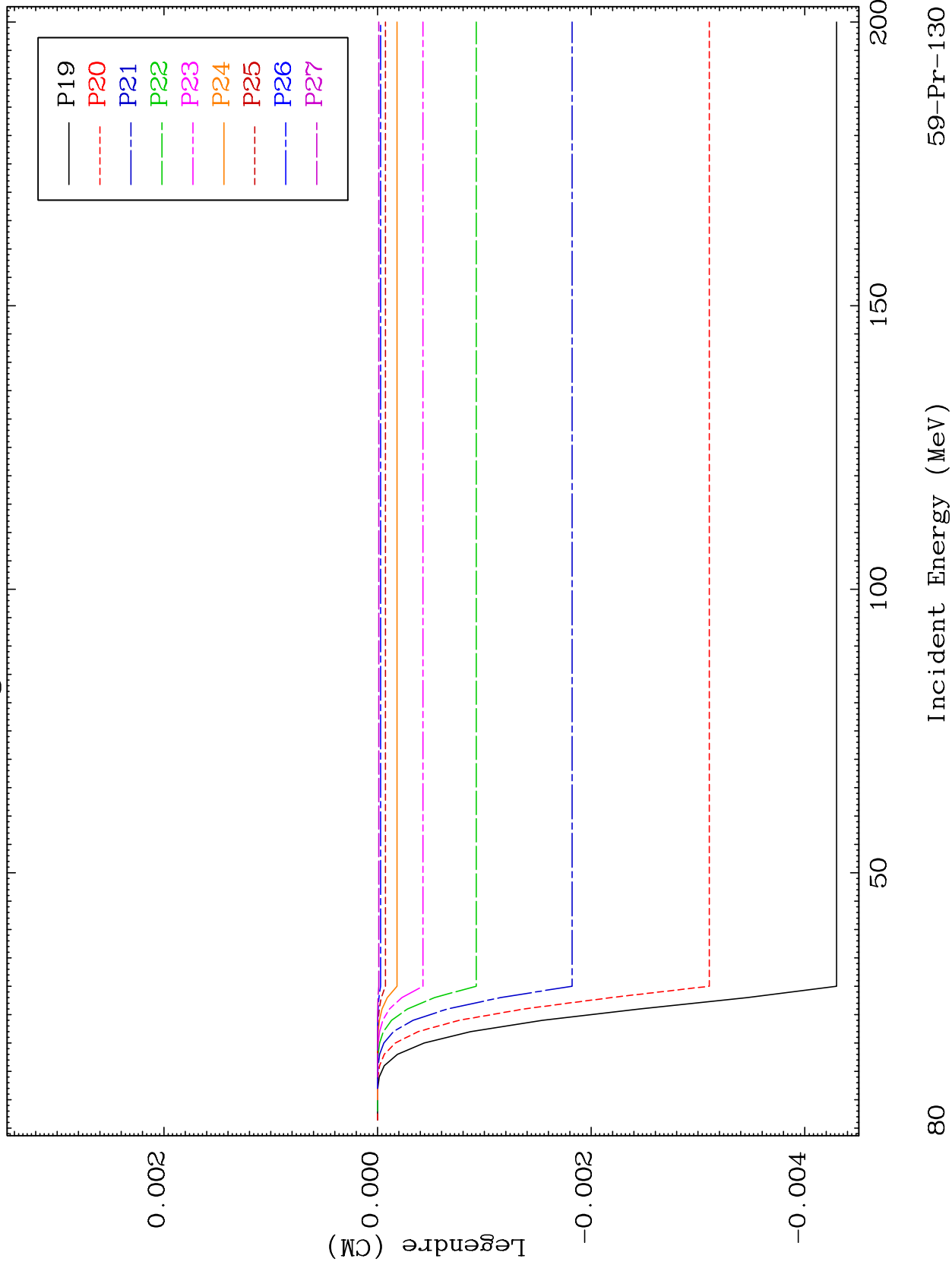
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



59-Pr-130

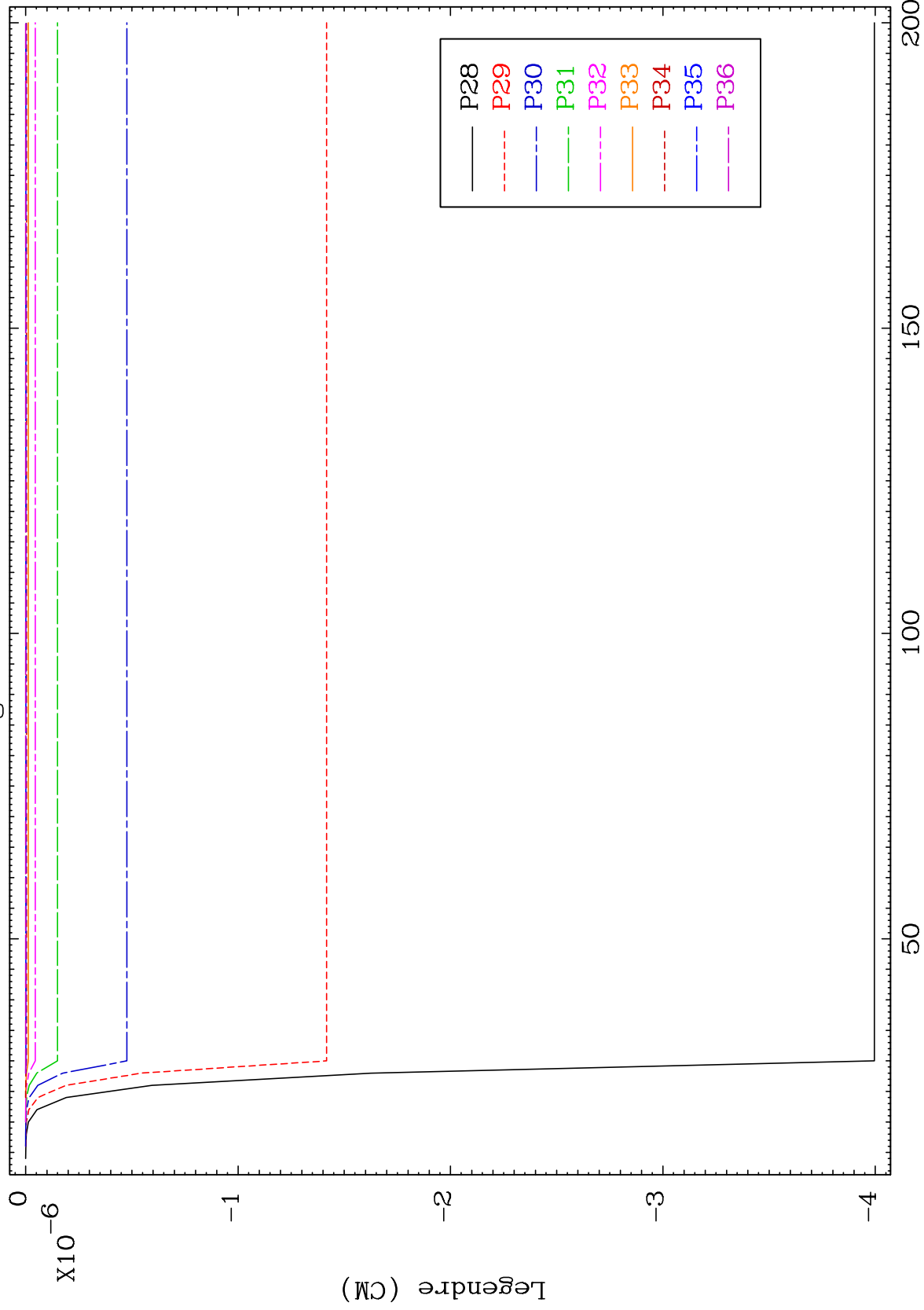
Incident Energy (MeV)

80

MAT 5892

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

59-Pr-130

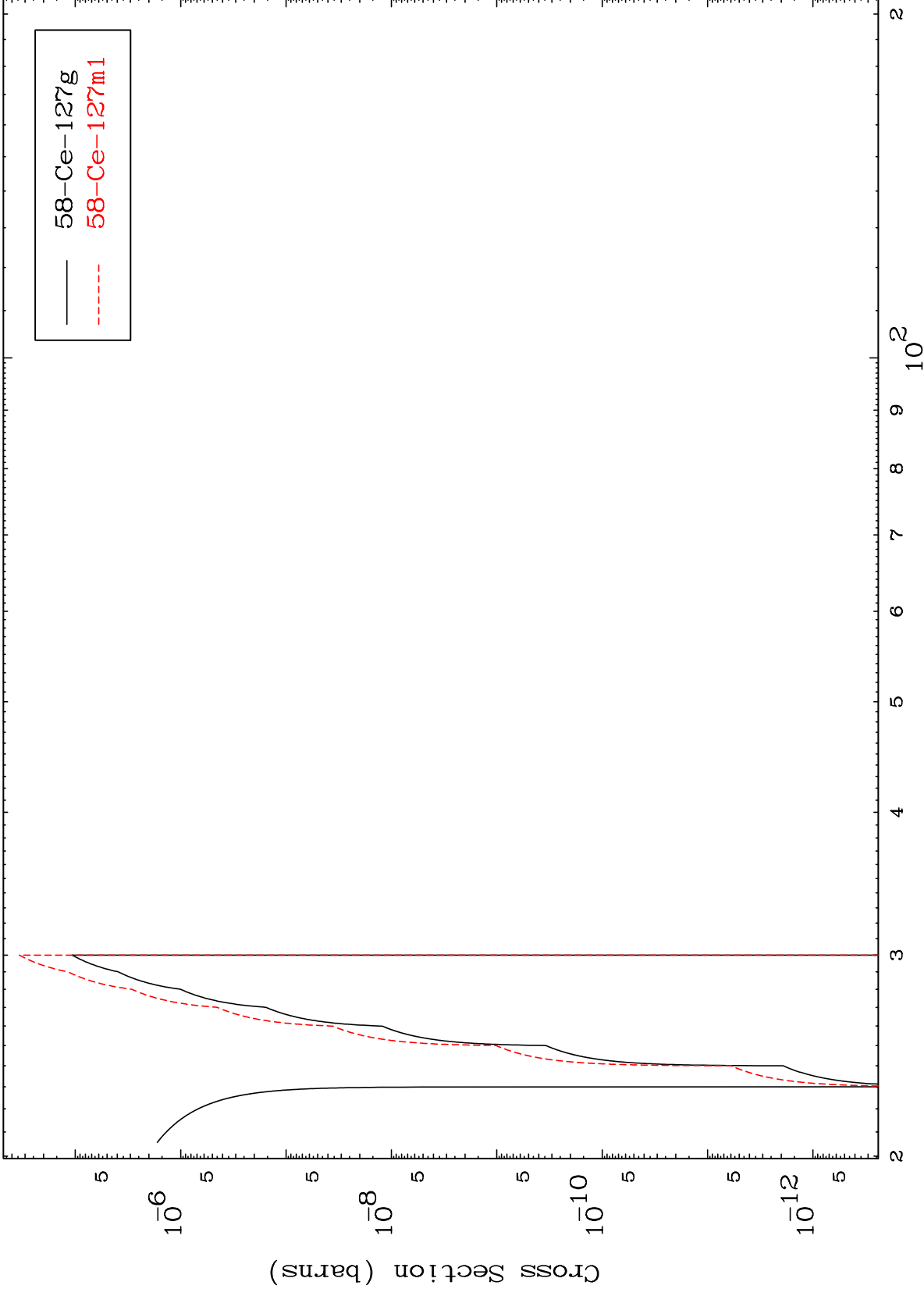


81

Incident Energy (MeV)

59-Pr-130

Radionuclide Production Cross Section

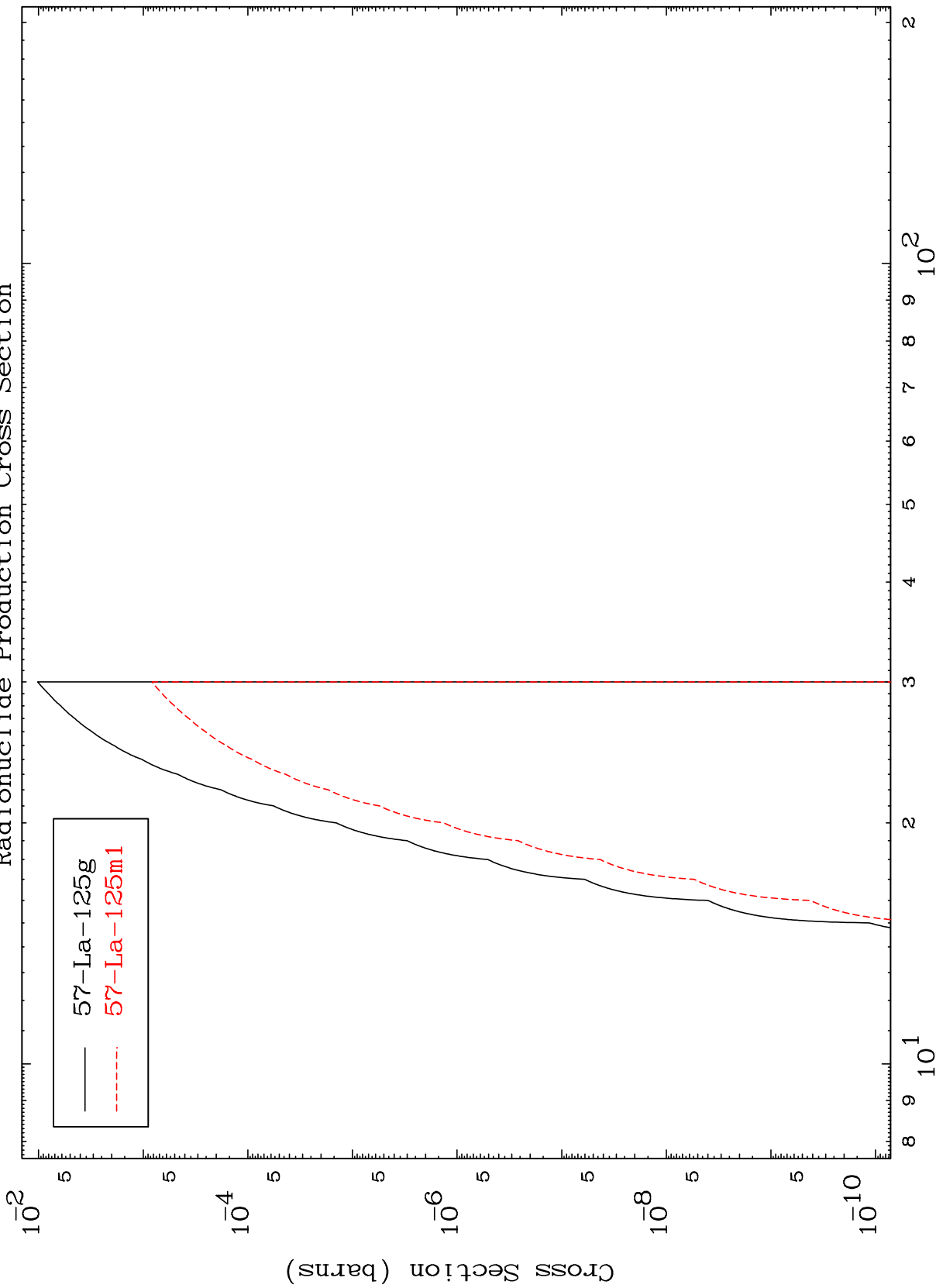


MAT 5892

(n,2n) α

59-Pr-130

Radionuclide Production Cross Section



57-La-125g
57-La-125m1

83

Incident Energy (MeV)

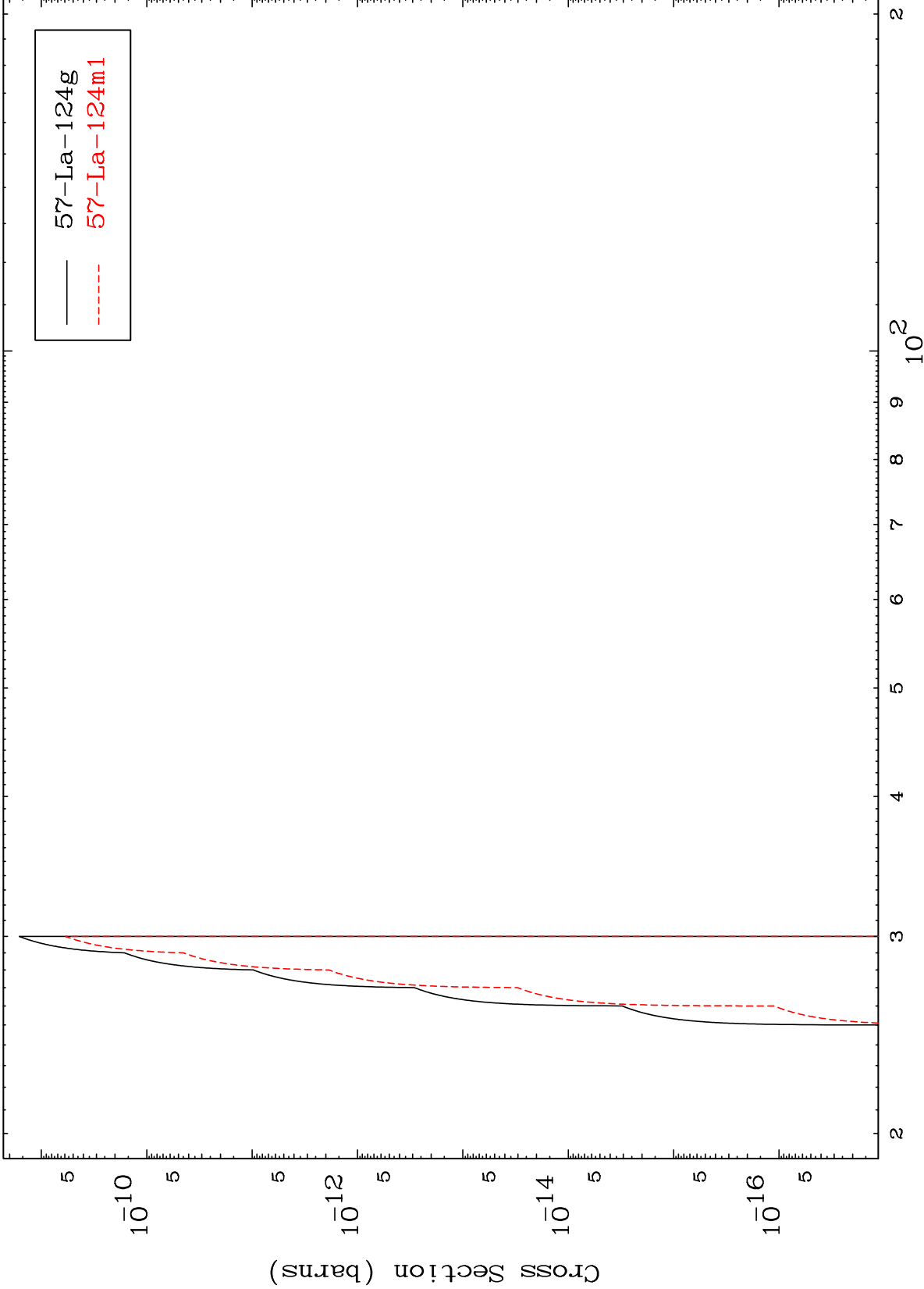
59-Pr-130

MAT 5892

$(n,3n) \alpha$

59-Pr-130

Radionuclide Production Cross Section



84

Incident Energy (MeV)

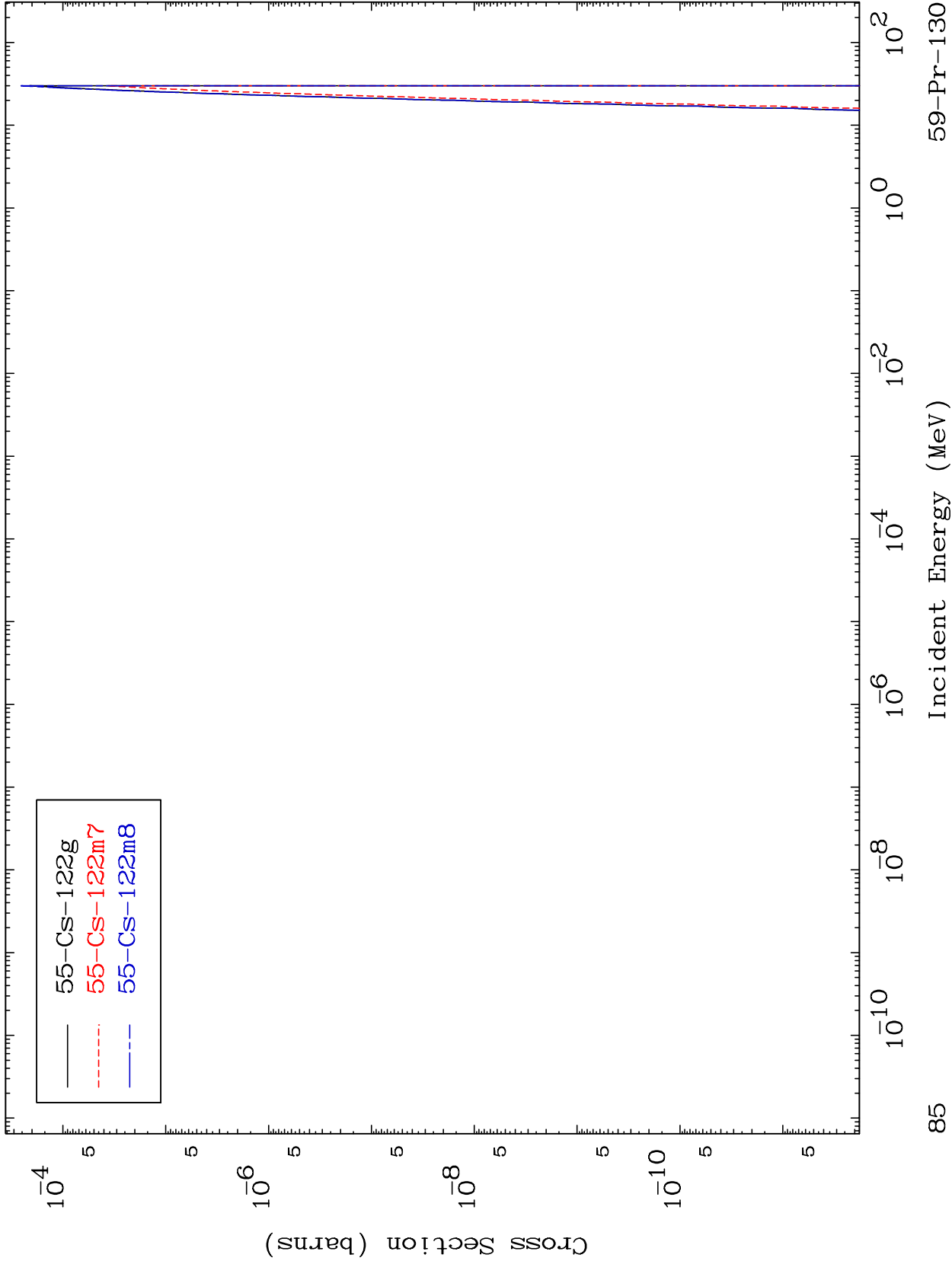
59-Pr-130

MAT 5892

(n,n') 2α

59-Pr-130

Radionuclide Production Cross Section

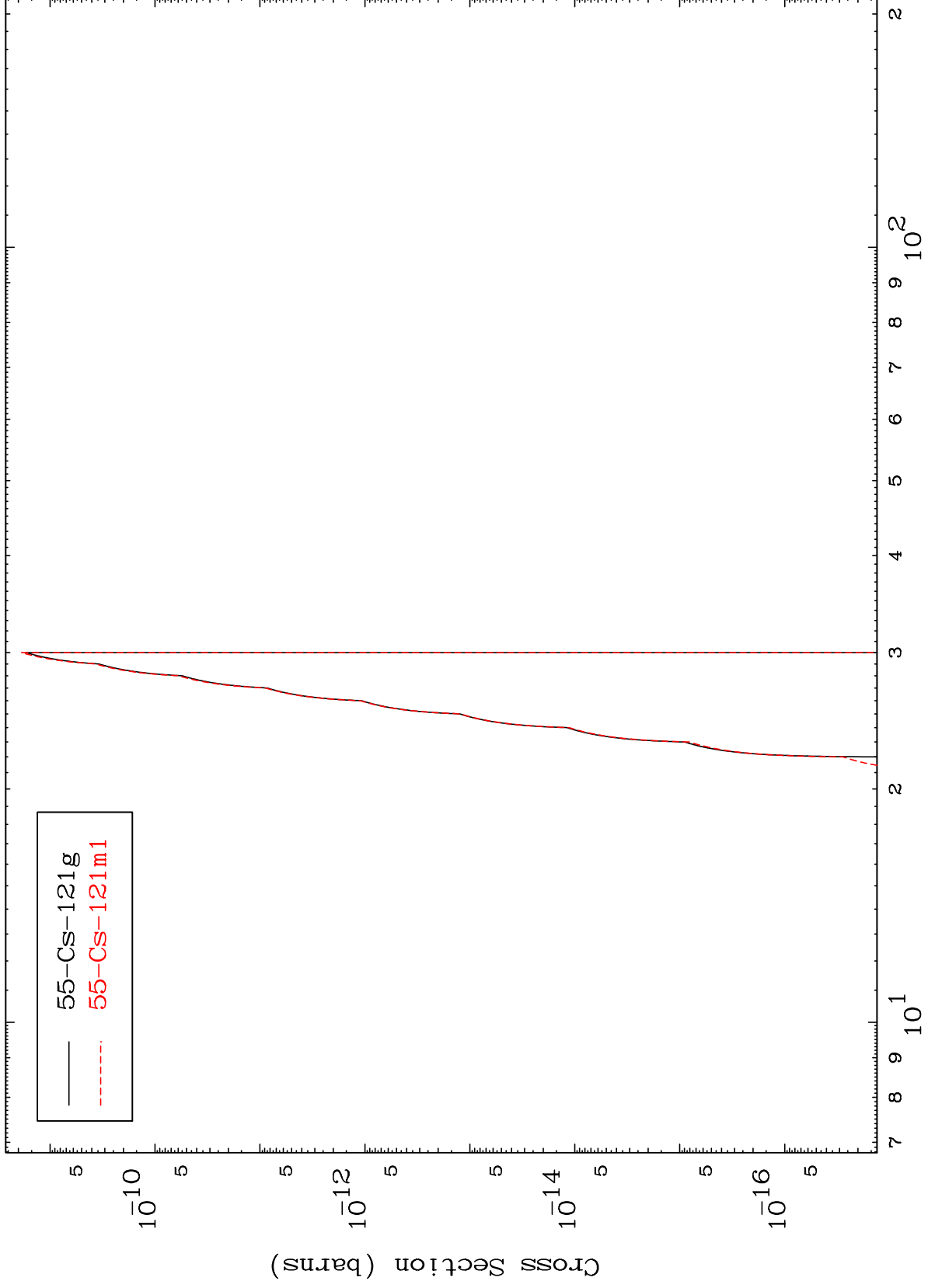


MAT 5892

(n,2n) 2α

59-Pr-130

Radionuclide Production Cross Section



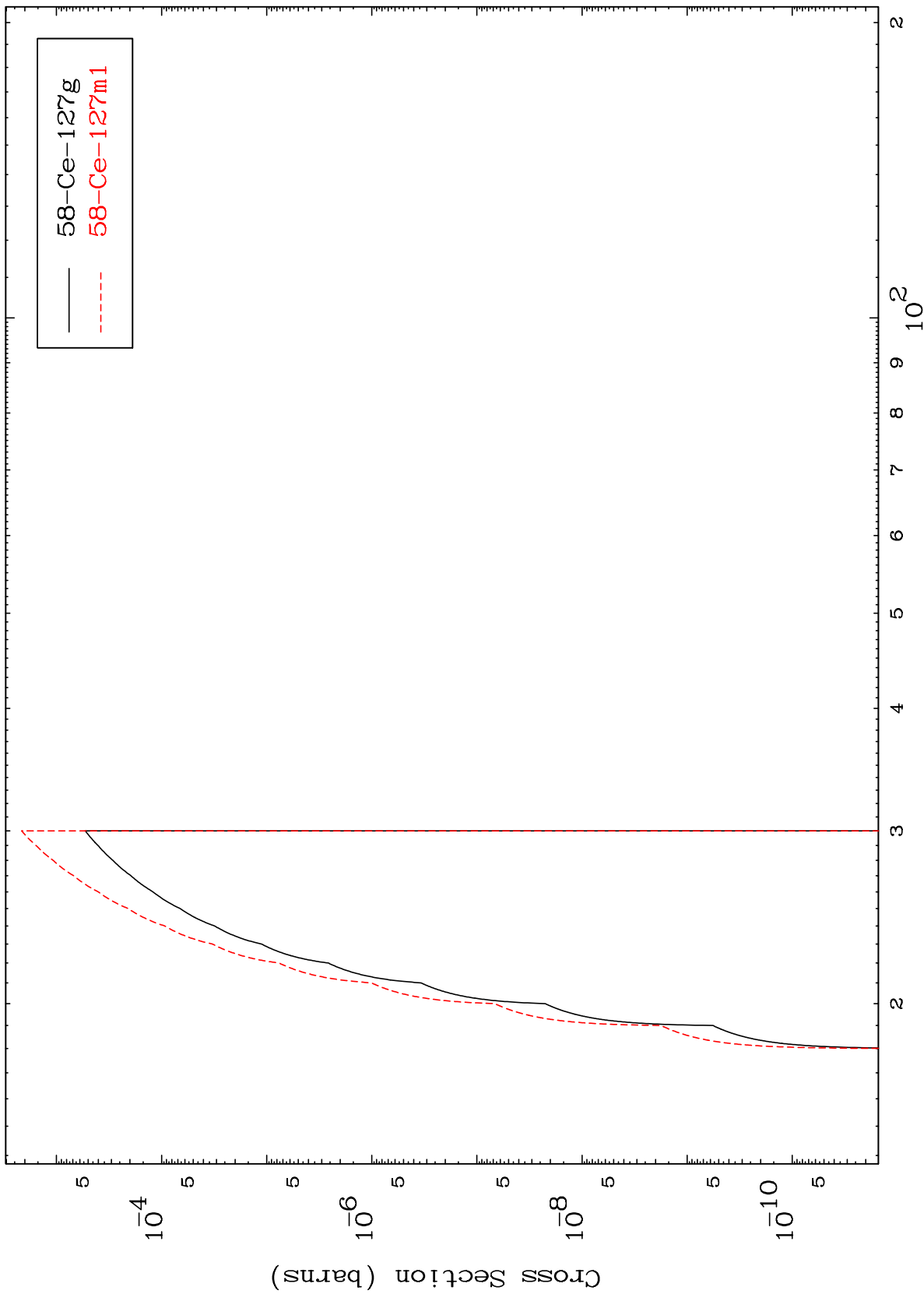
55-Cs-121g
55-Cs-121m1

86

Incident Energy (MeV)

59-Pr-130

Radionuclide Production Cross Section

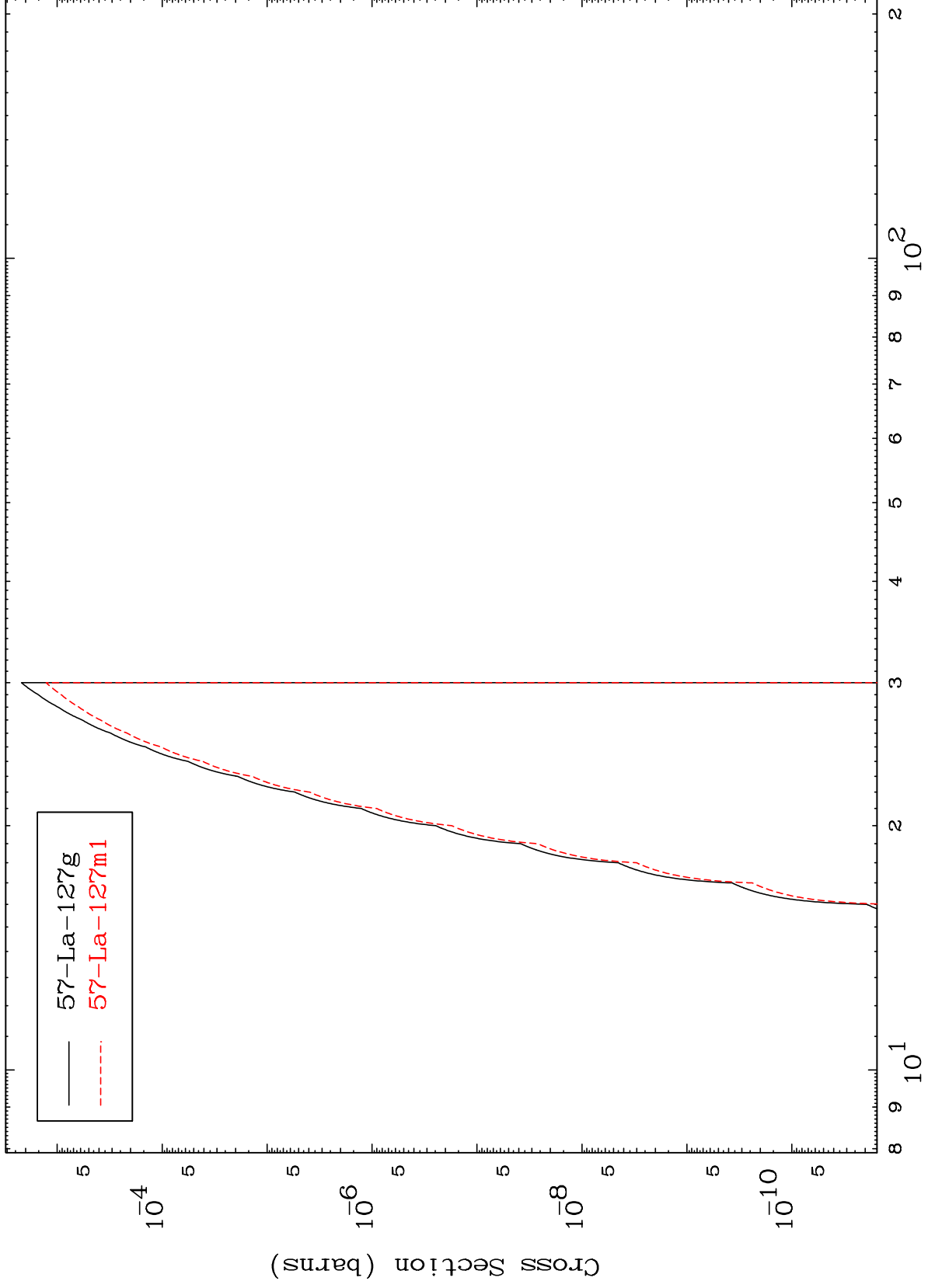


MAT 5892

(n,n') He-3

59-Pr-130

Radionuclide Production Cross Section



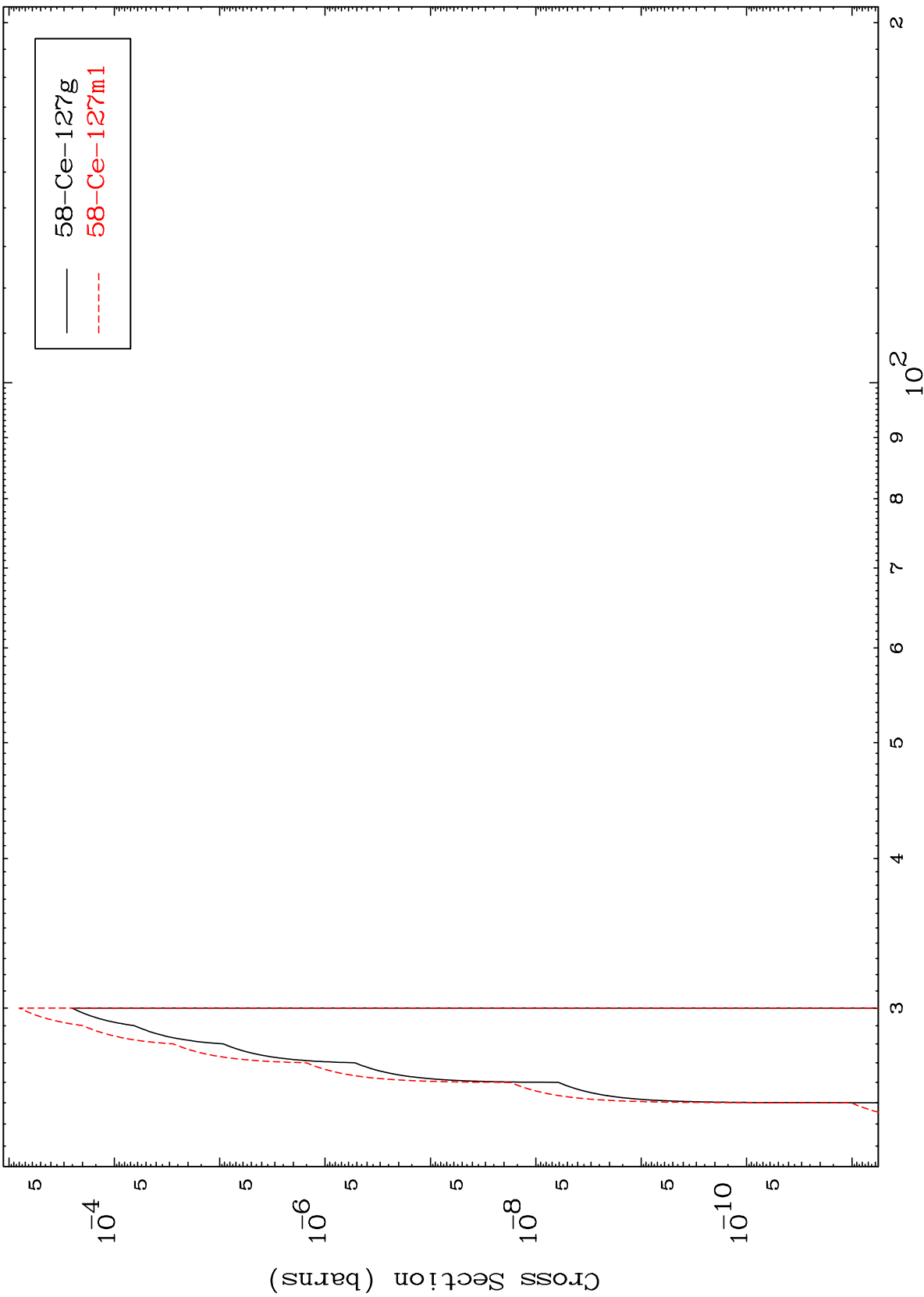
57-La-127g
57-La-127m1

88

Incident Energy (MeV)

59-Pr-130

Radionuclide Production Cross Section

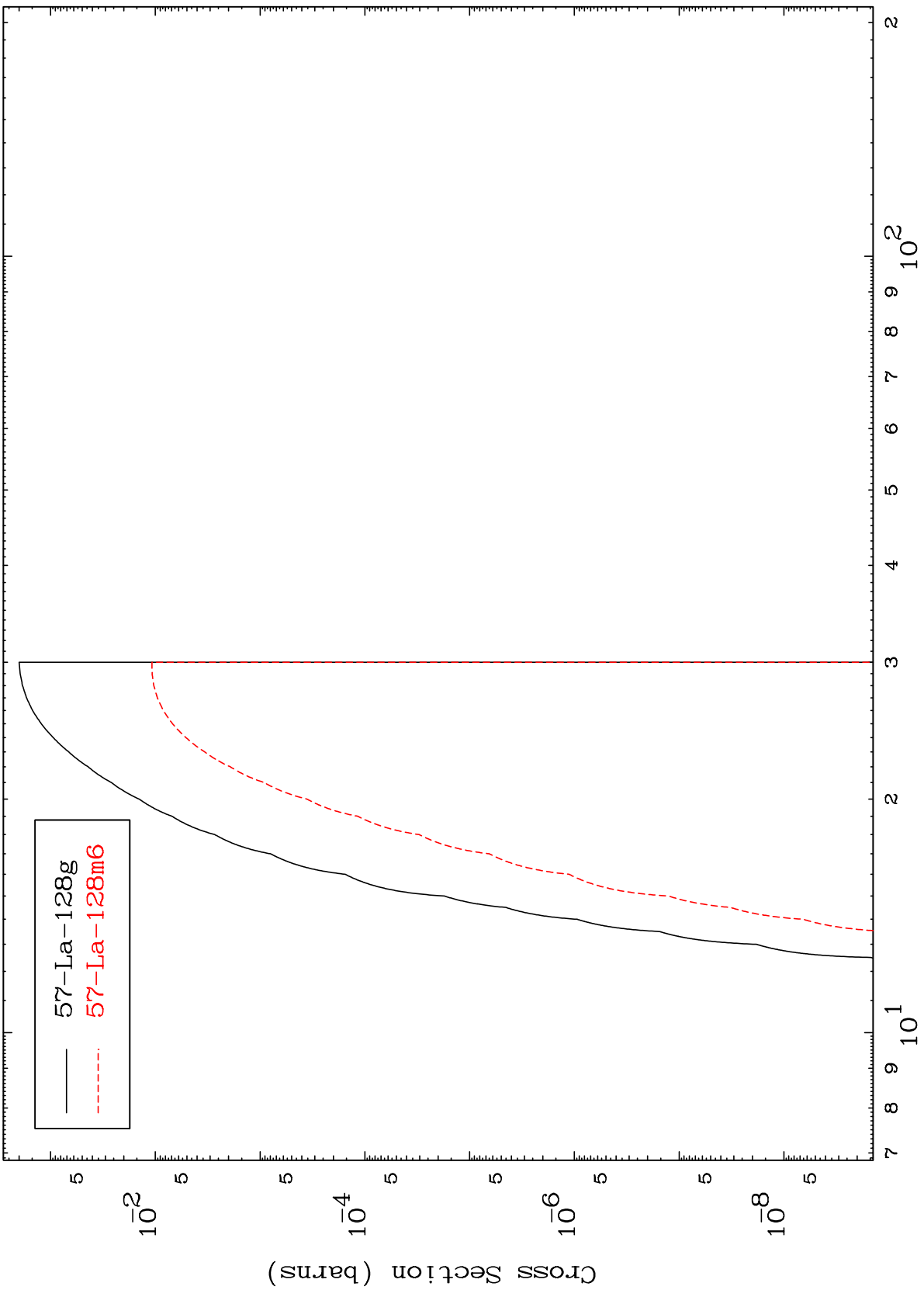


MAT 5892

(n,2n) p

59-Pr-130

Radionuclide Production Cross Section



57-La-128g
57-La-128m6

90

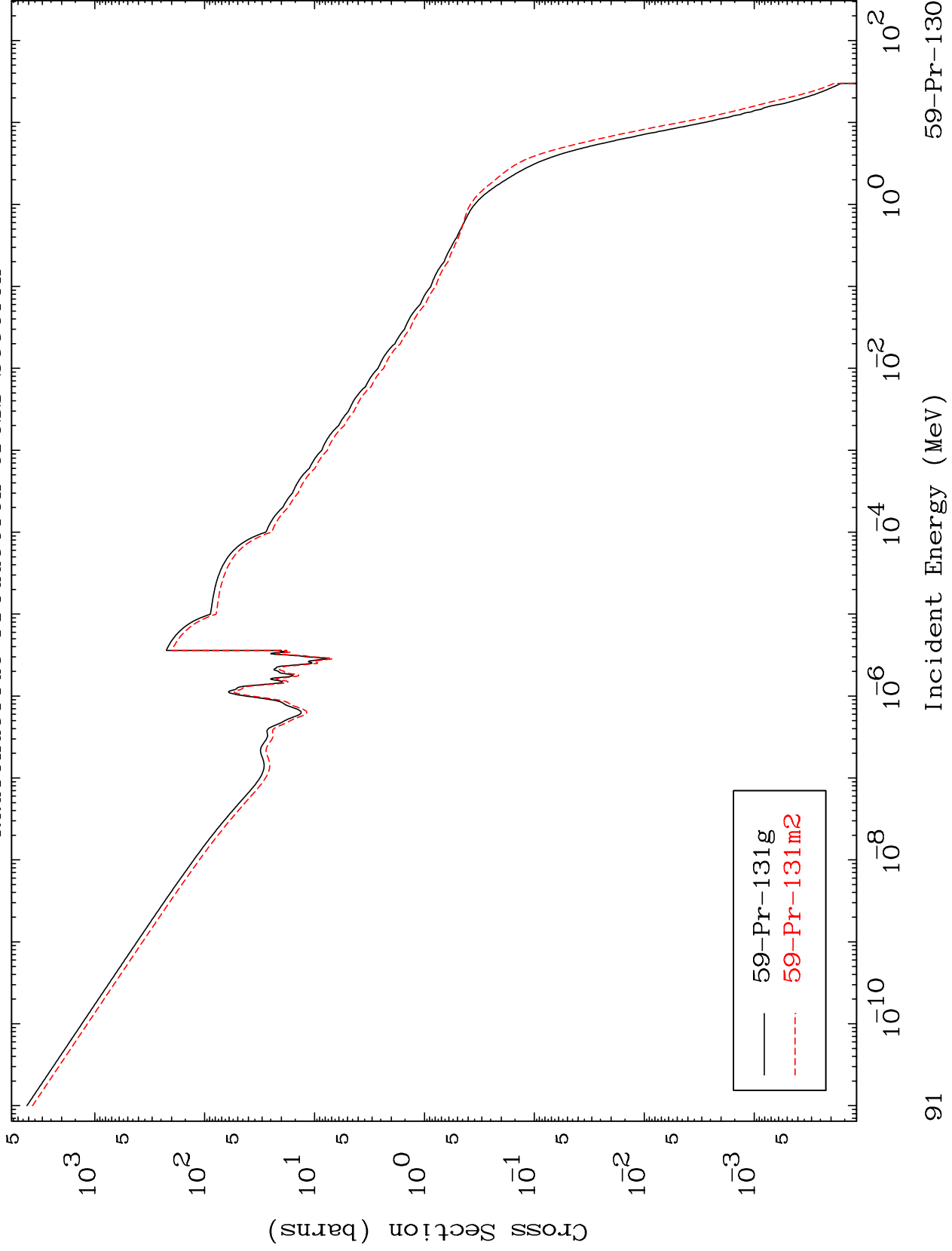
Incident Energy (MeV)

59-Pr-130

MAT 5892

59-Pr-130

(n, γ)
Radionuclide Production Cross Section

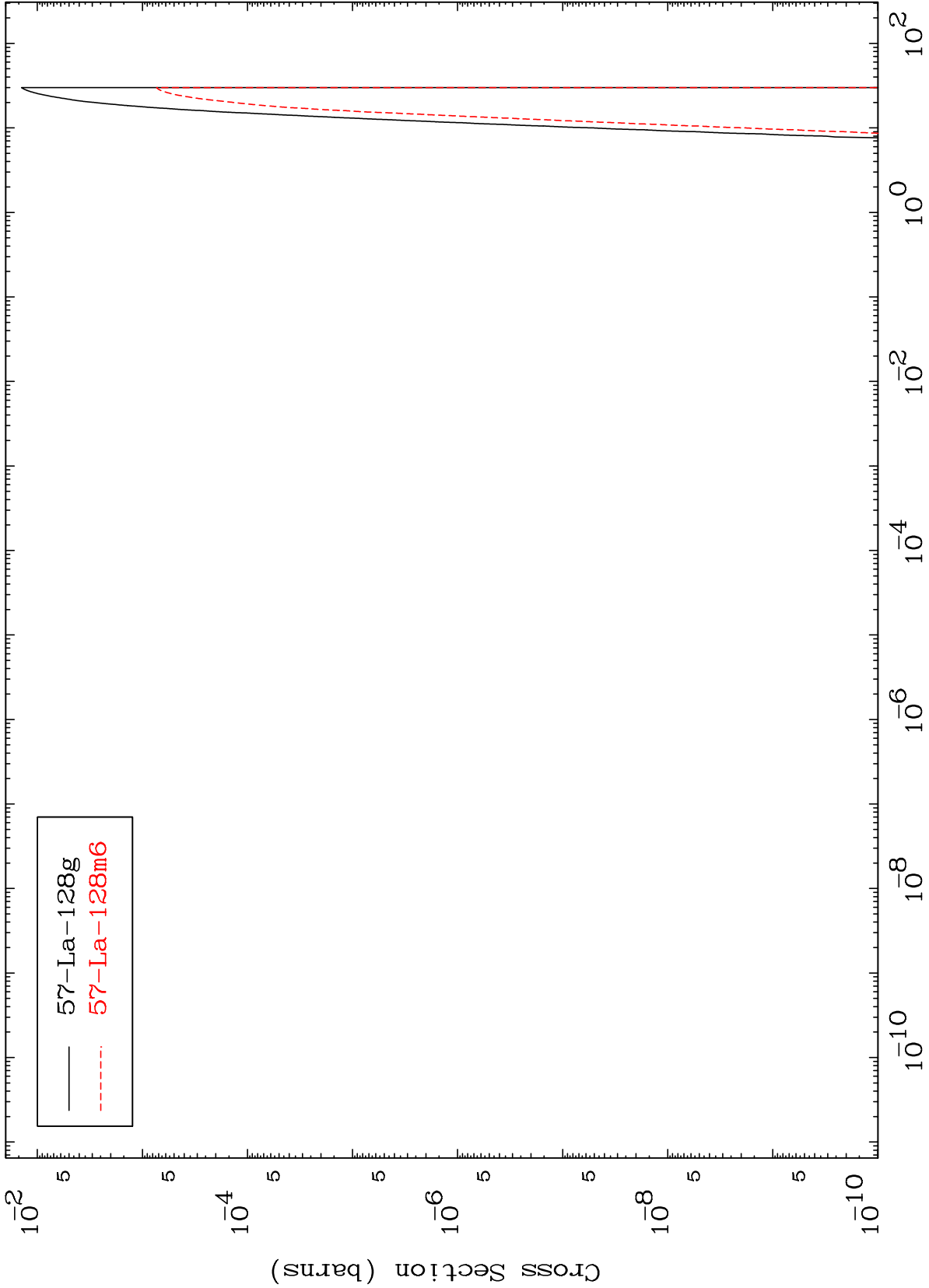


MAT 5892

(n,He-3)

59-Pr-130

Radionuclide Production Cross Section

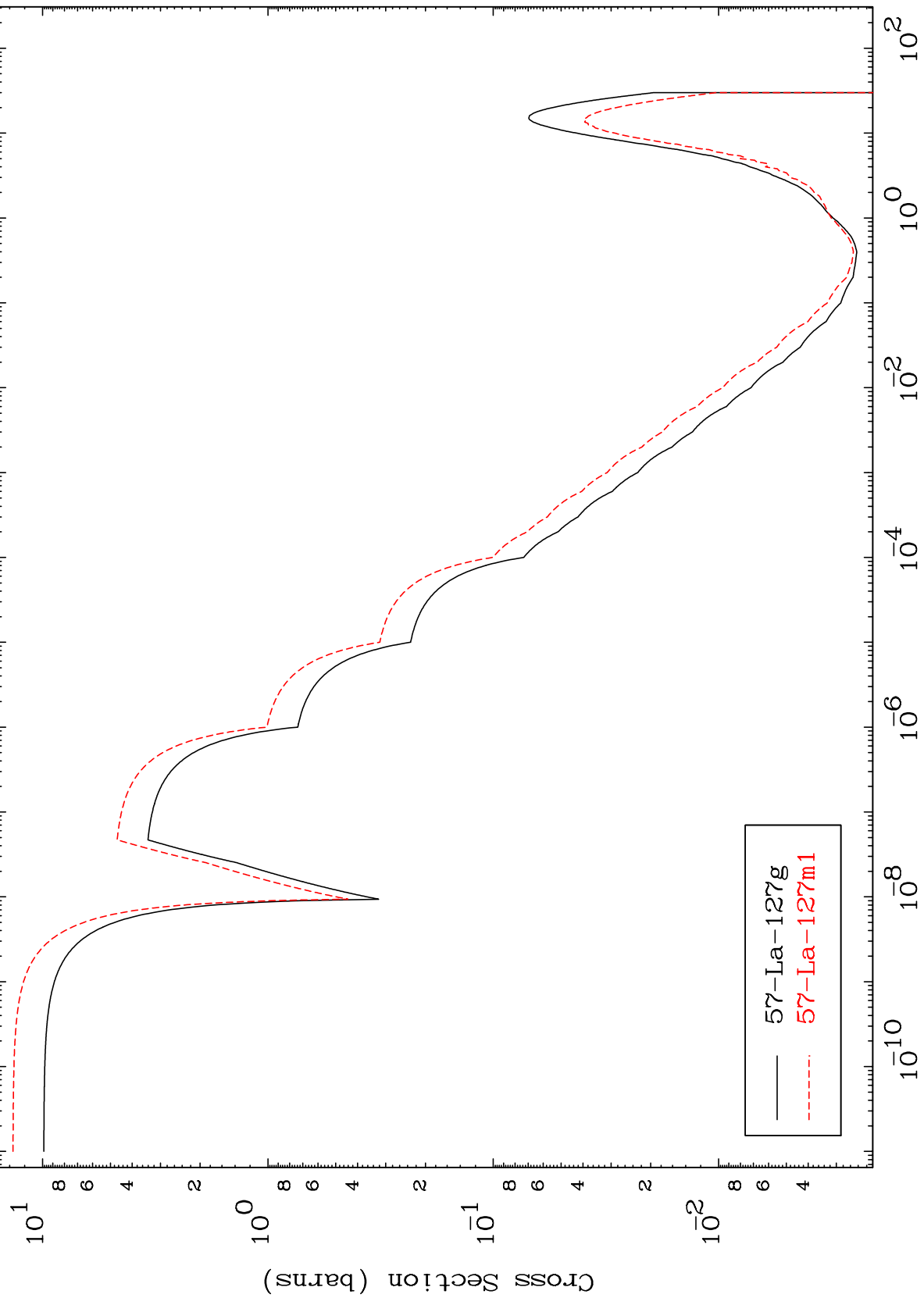


— 57-La-128g
- - - 57-La-128m6

MAT 5892

59-Pr-130

Radionuclide Production Cross Section



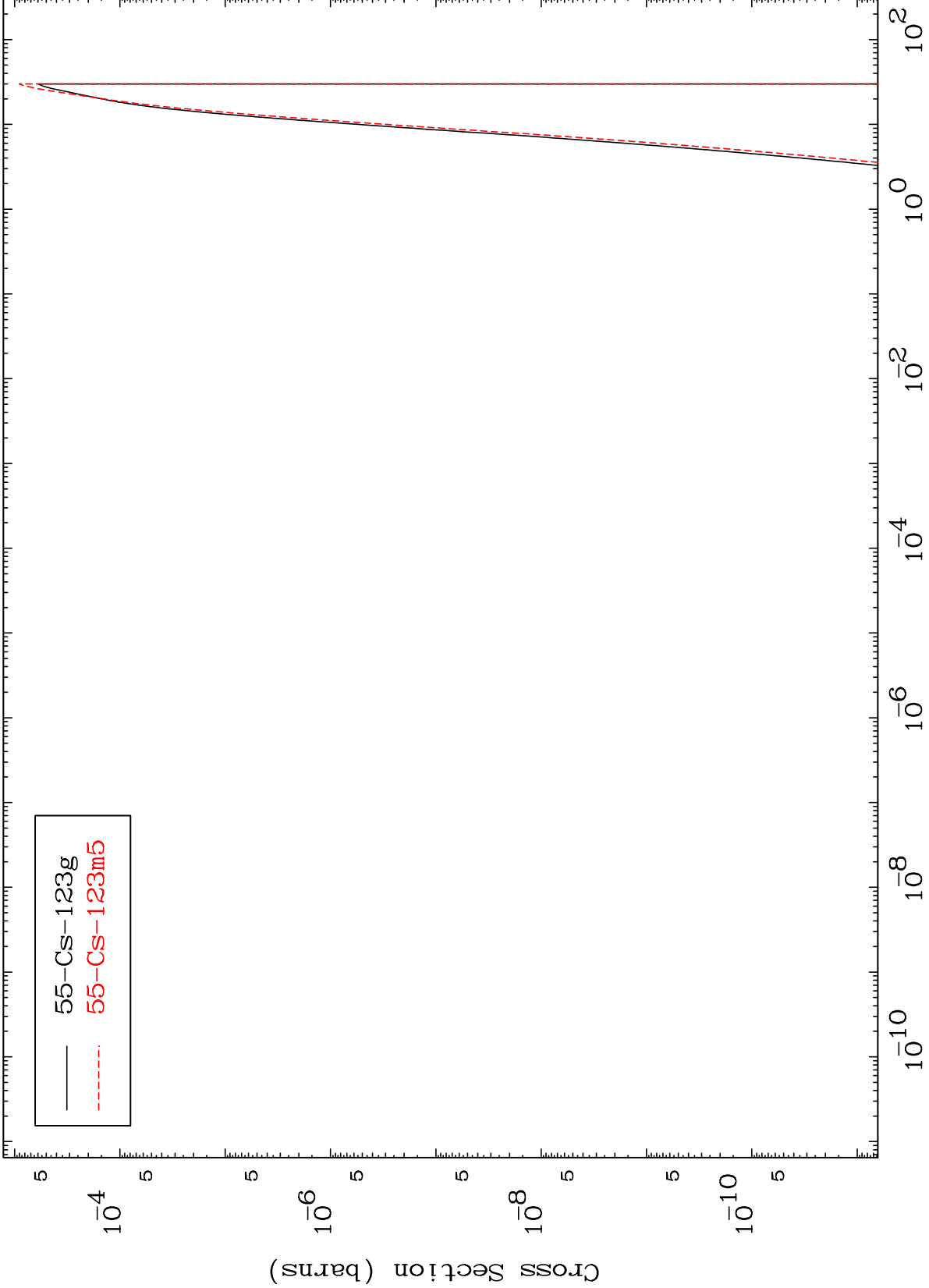
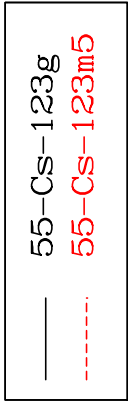
— 57-La-127g
- - - 57-La-127m1

MAT 5892

(n,2α)

59-Pr-130

Radionuclide Production Cross Section

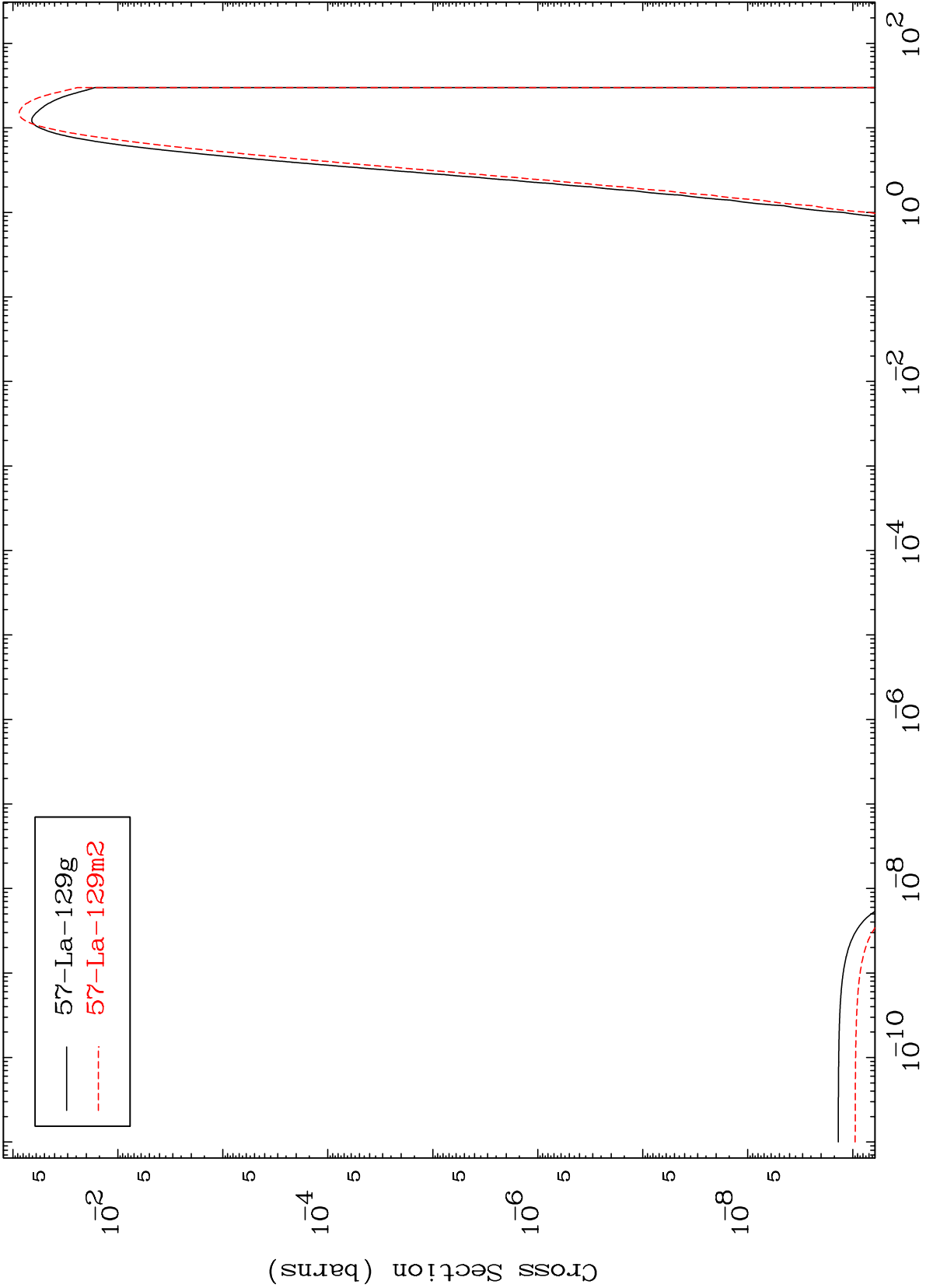


MAT 5892

(n,2p)

59-Pr-130

Radionuclide Production Cross Section



— 57-La-129g
- - - 57-La-129m2

95

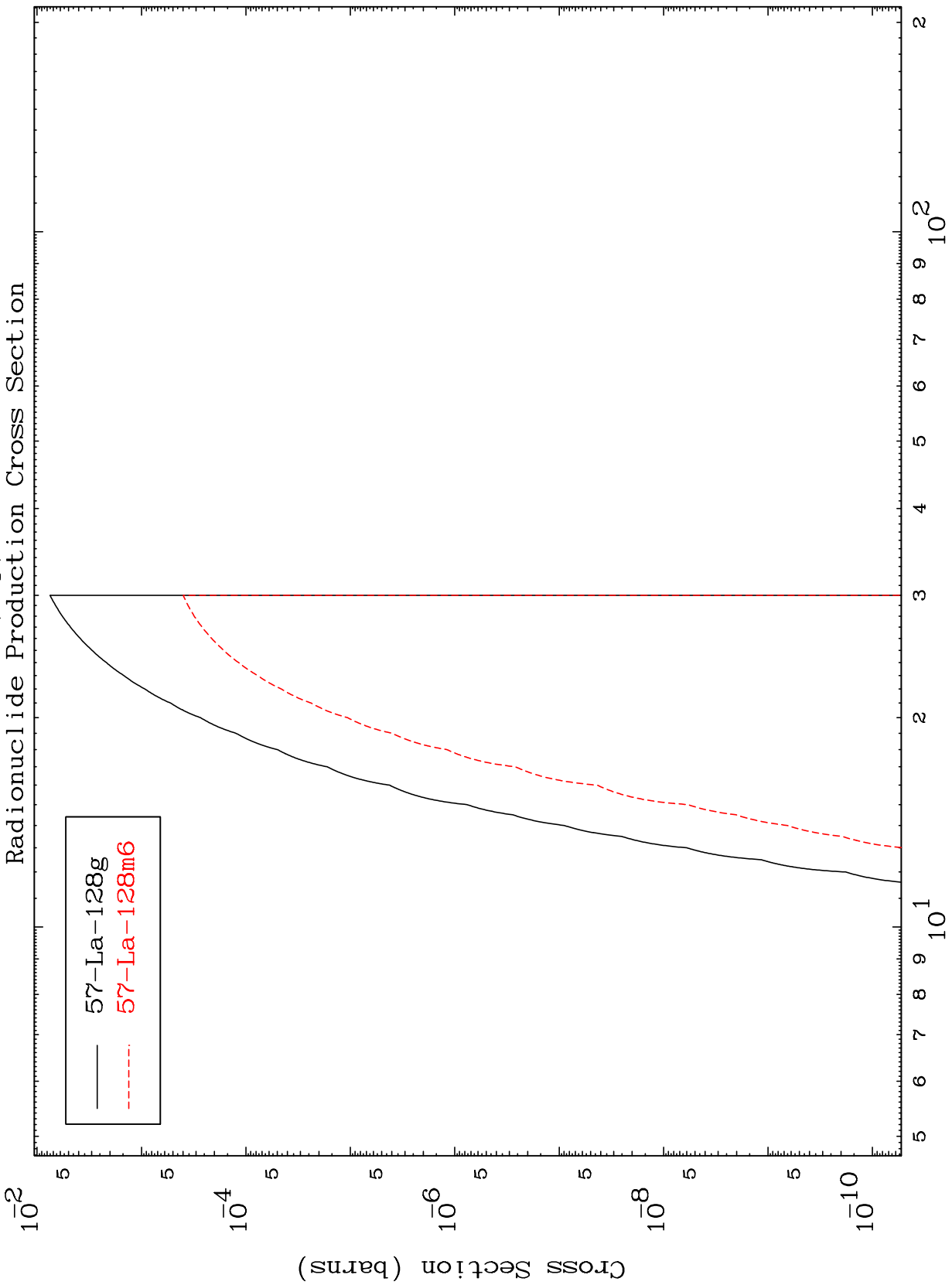
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,p) d

59-Pr-130



96

Incident Energy (MeV)

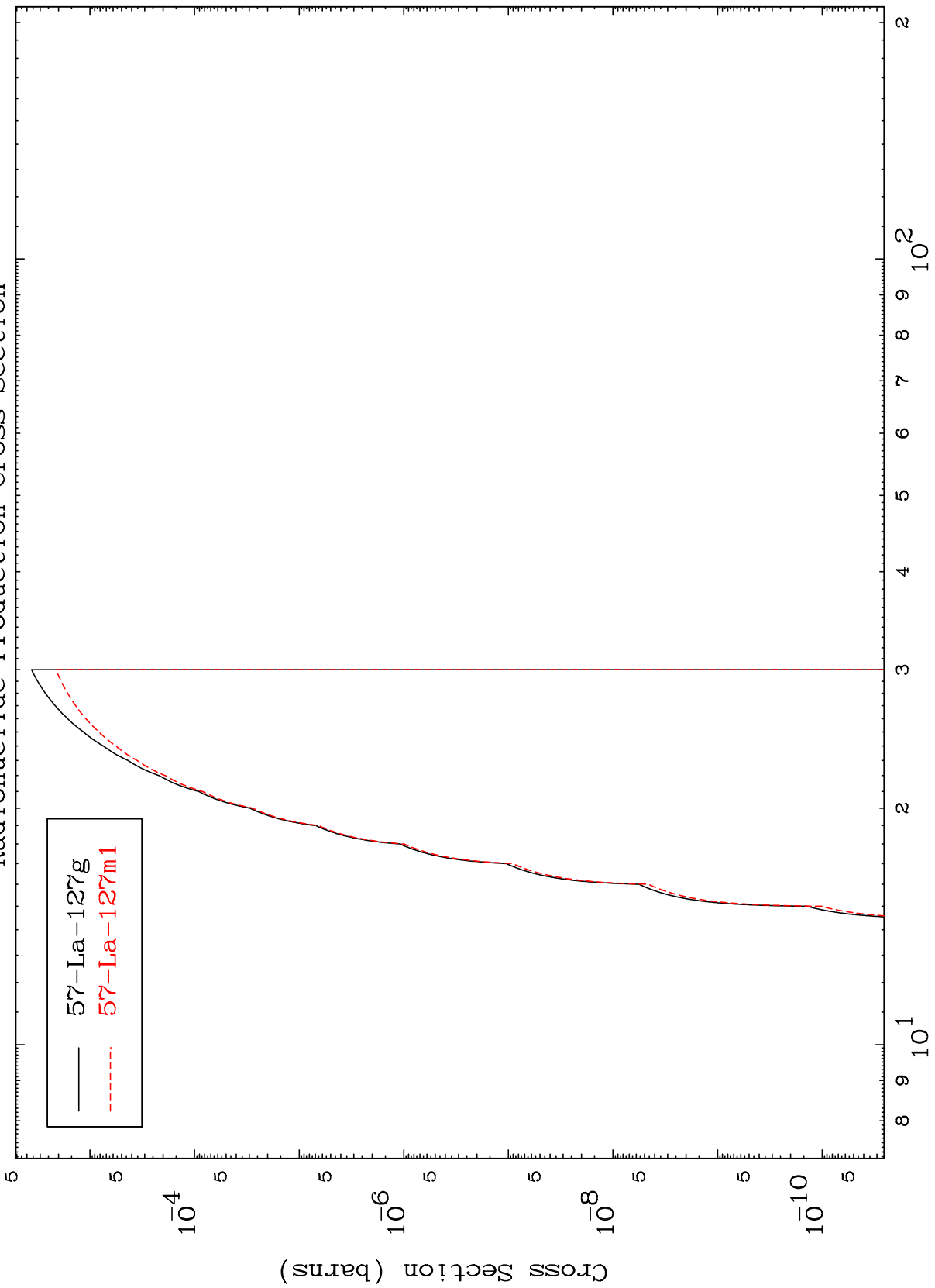
59-Pr-130

MAT 5892

(n,p) t

59-Pr-130

Radionuclide Production Cross Section



97

Incident Energy (MeV)

59-Pr-130