

Program EVALPLOT
(Version 2018-1)

by

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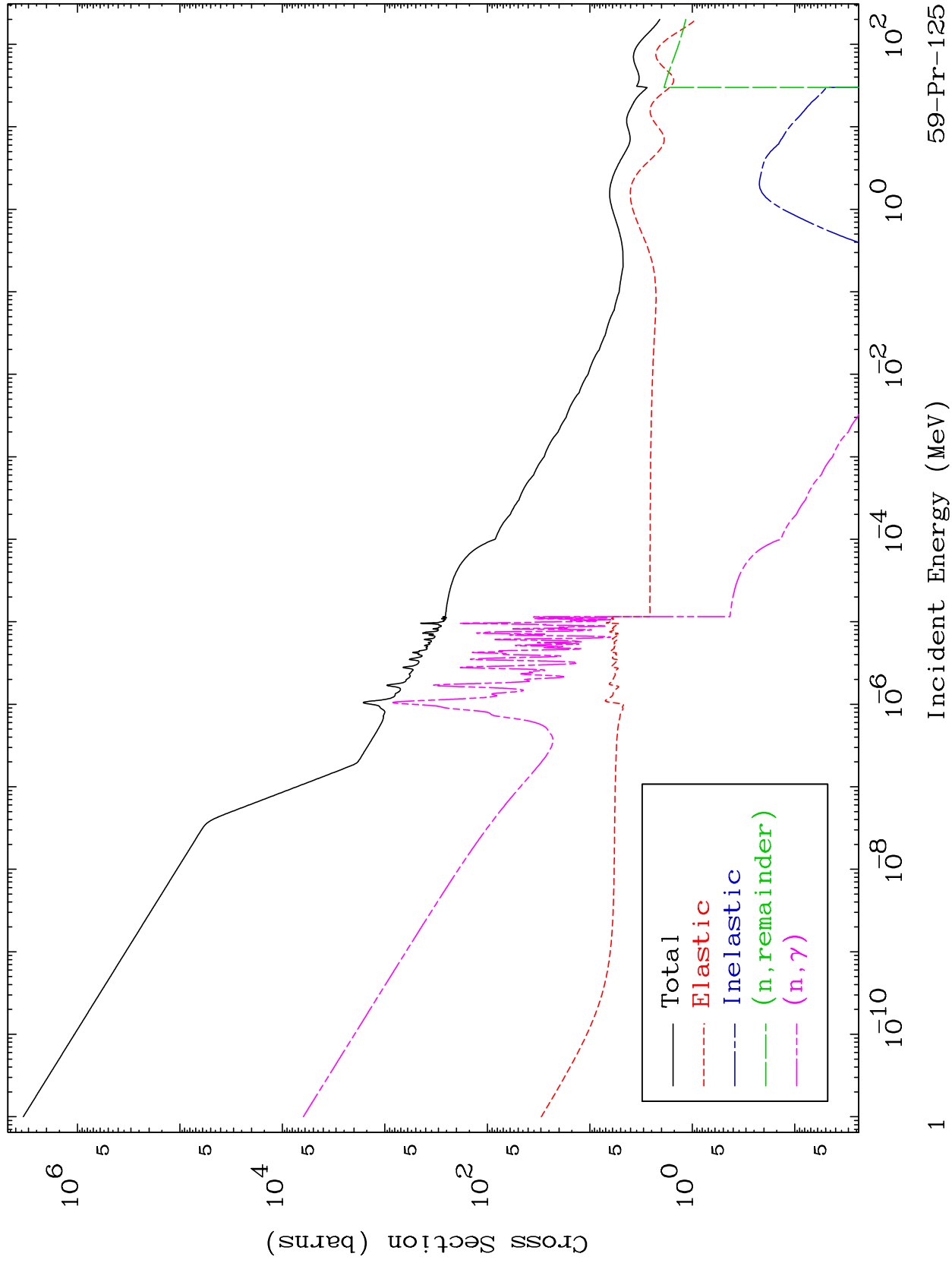
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5877

Major
293 Kelvin Cross Sections

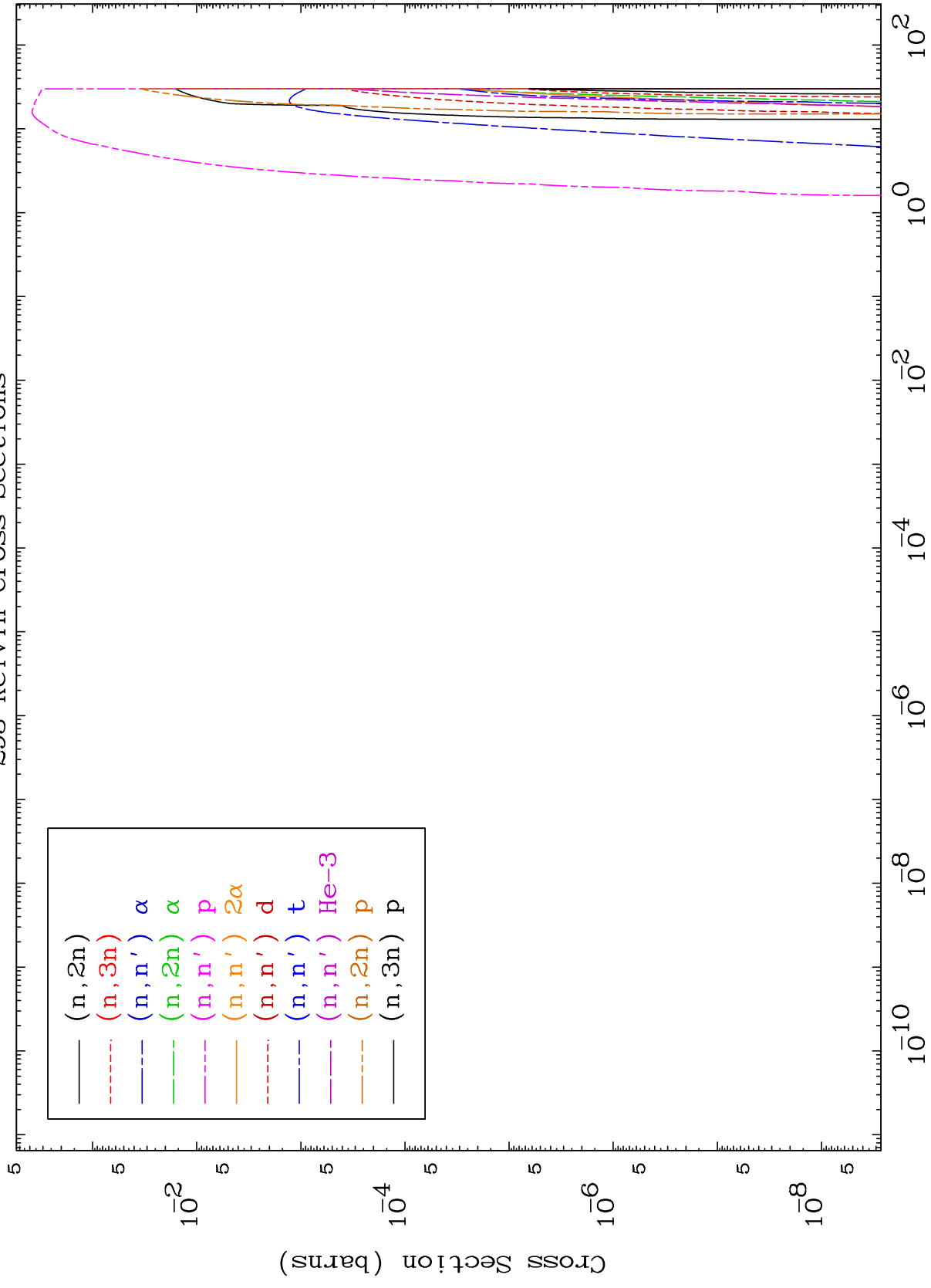
59-Pr-125



MAT 5877

Neutron Production
293 Kelvin Cross Sections

59-Pr-125

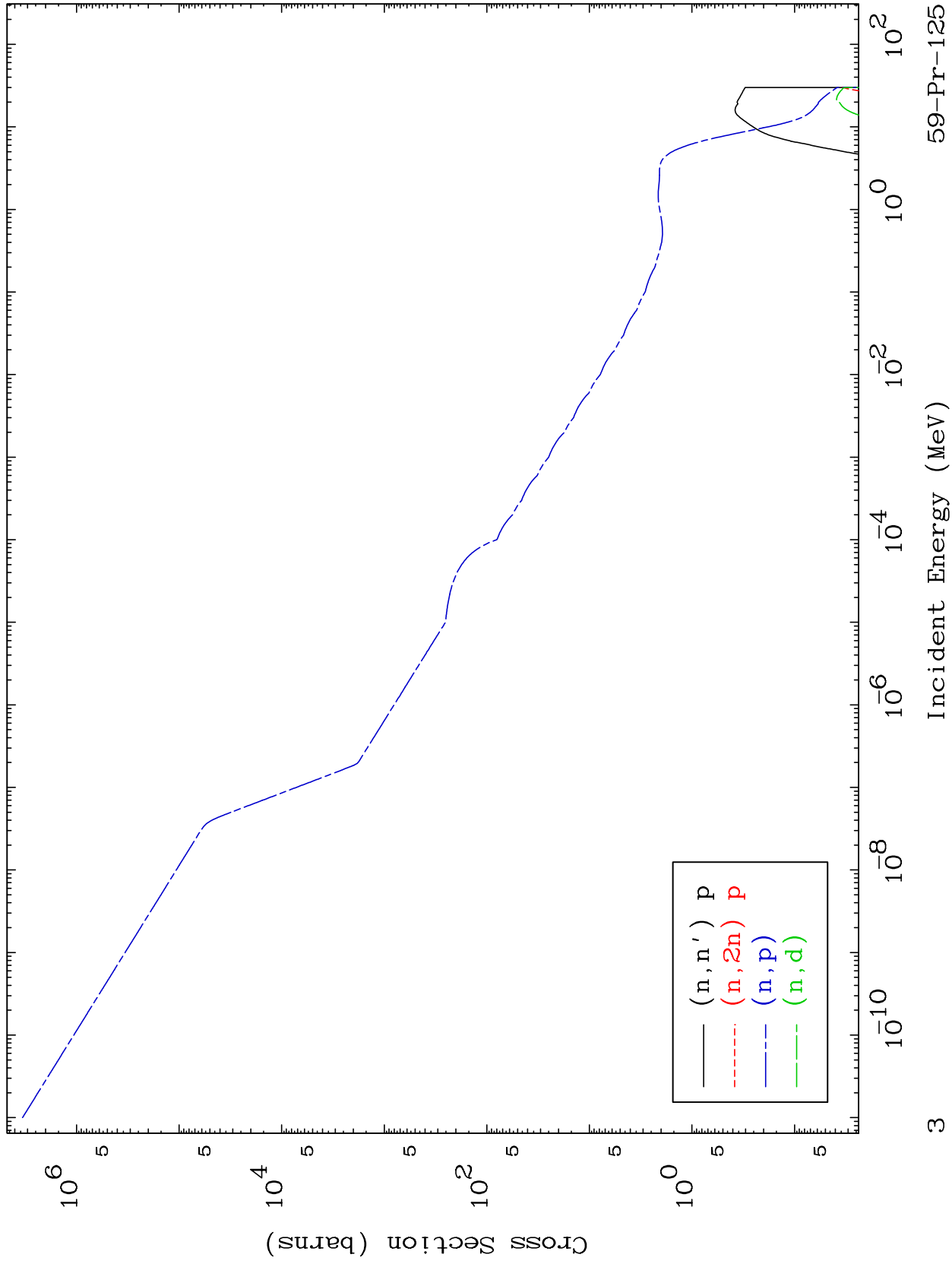


59-Pr-125

MAT 5877

Charged Particle
293 Kelvin Cross Sections

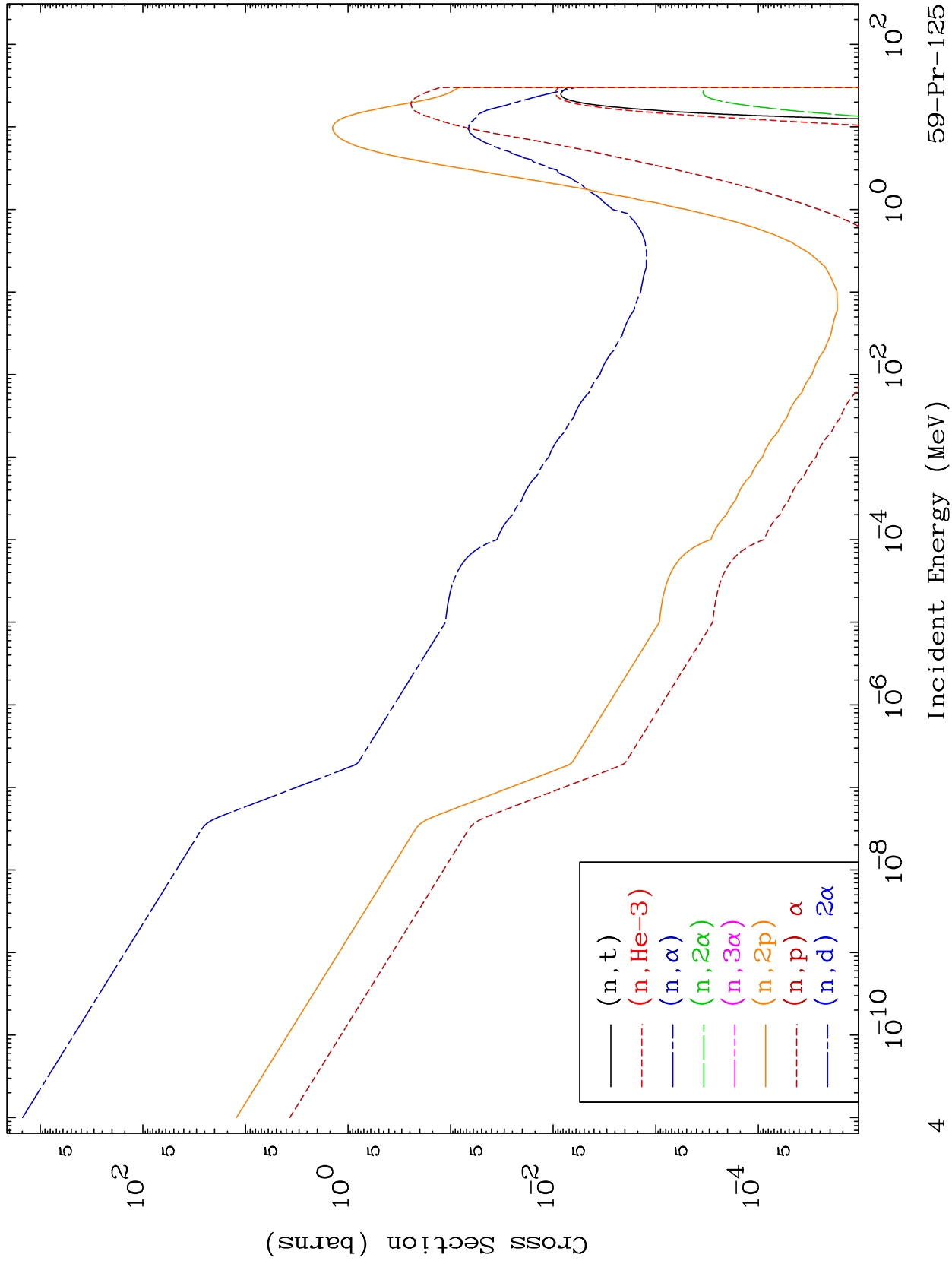
59-Pr-125



MAT 5877

Charged Particle
293 Kelvin Cross Sections

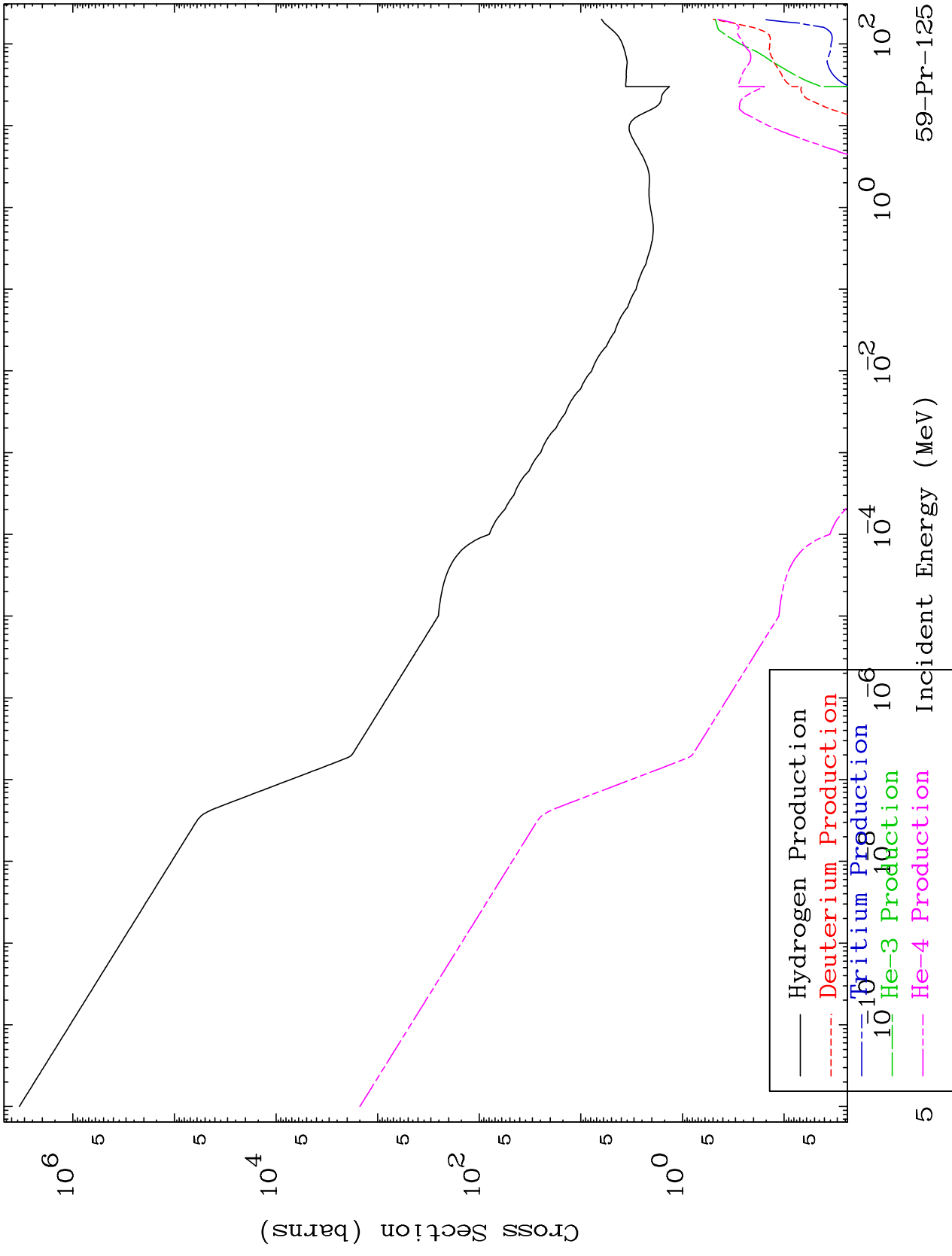
59-Pr-125



MAT 5877

Particle Production
293 Kelvin Cross Sections

59-Pr-125

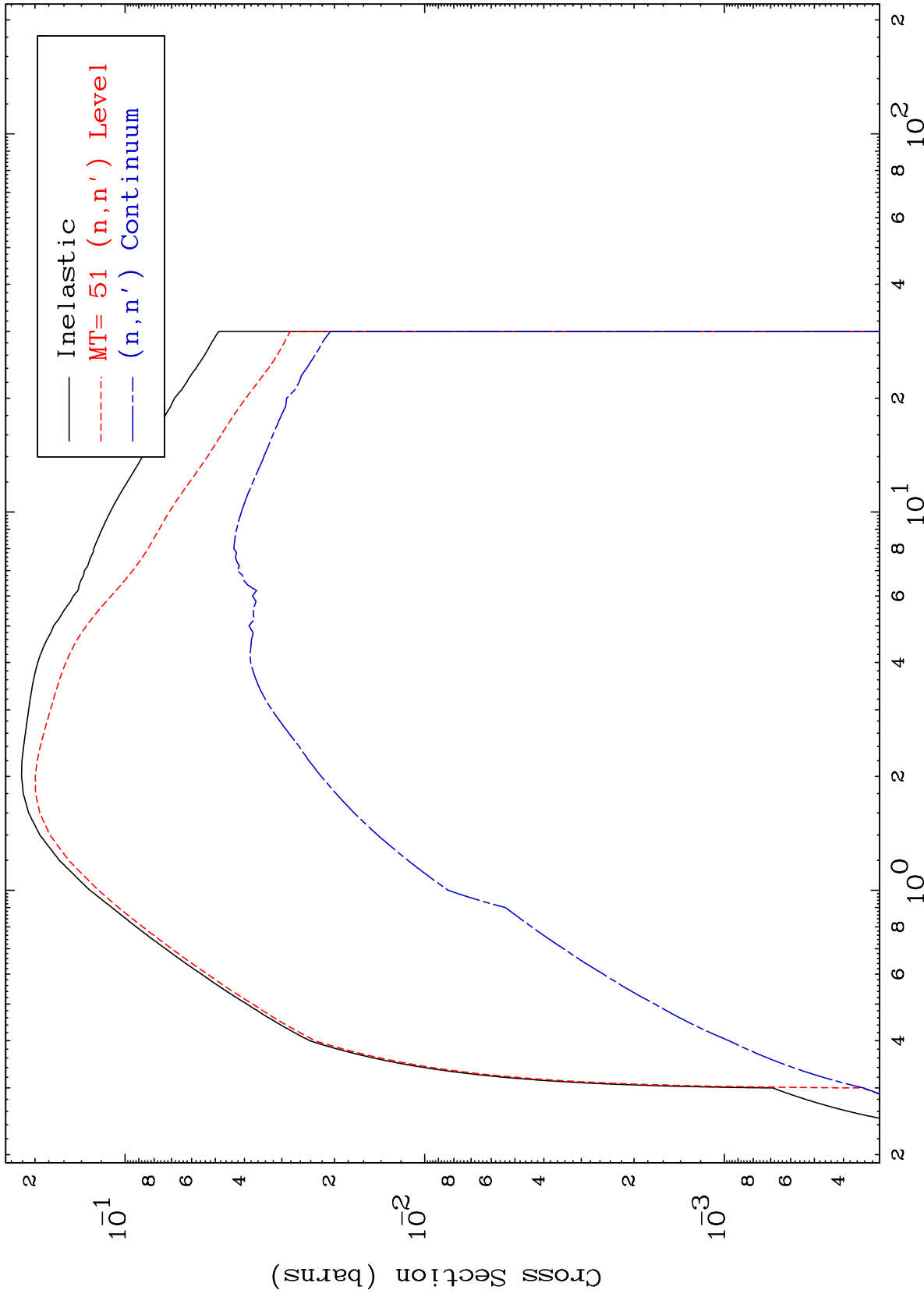


59-Pr-125

MAT 5877

293 Kelvin Cross Sections

59-Pr-125



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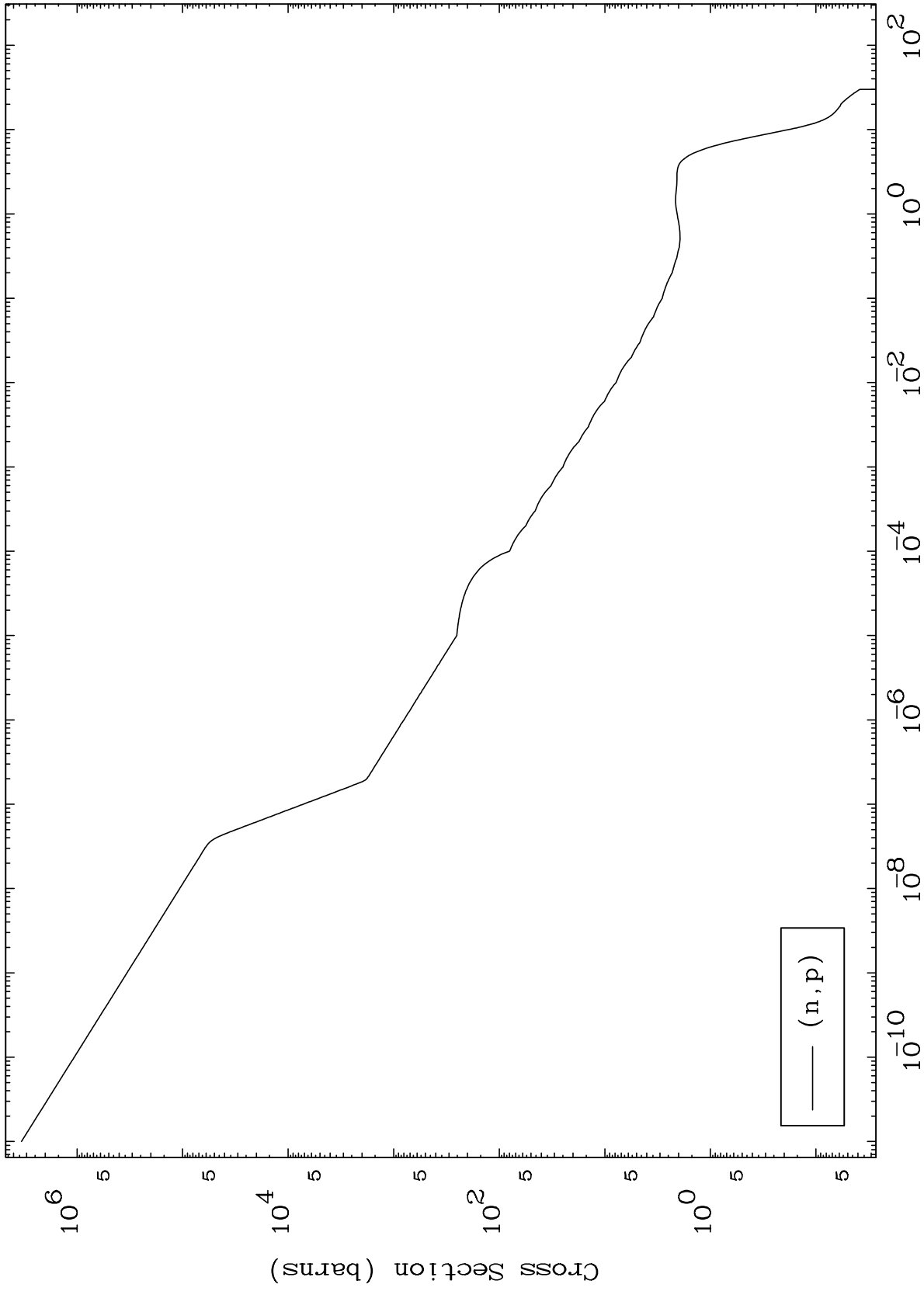
Incident Energy (MeV)

59-Pr-125

MAT 5877

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-125

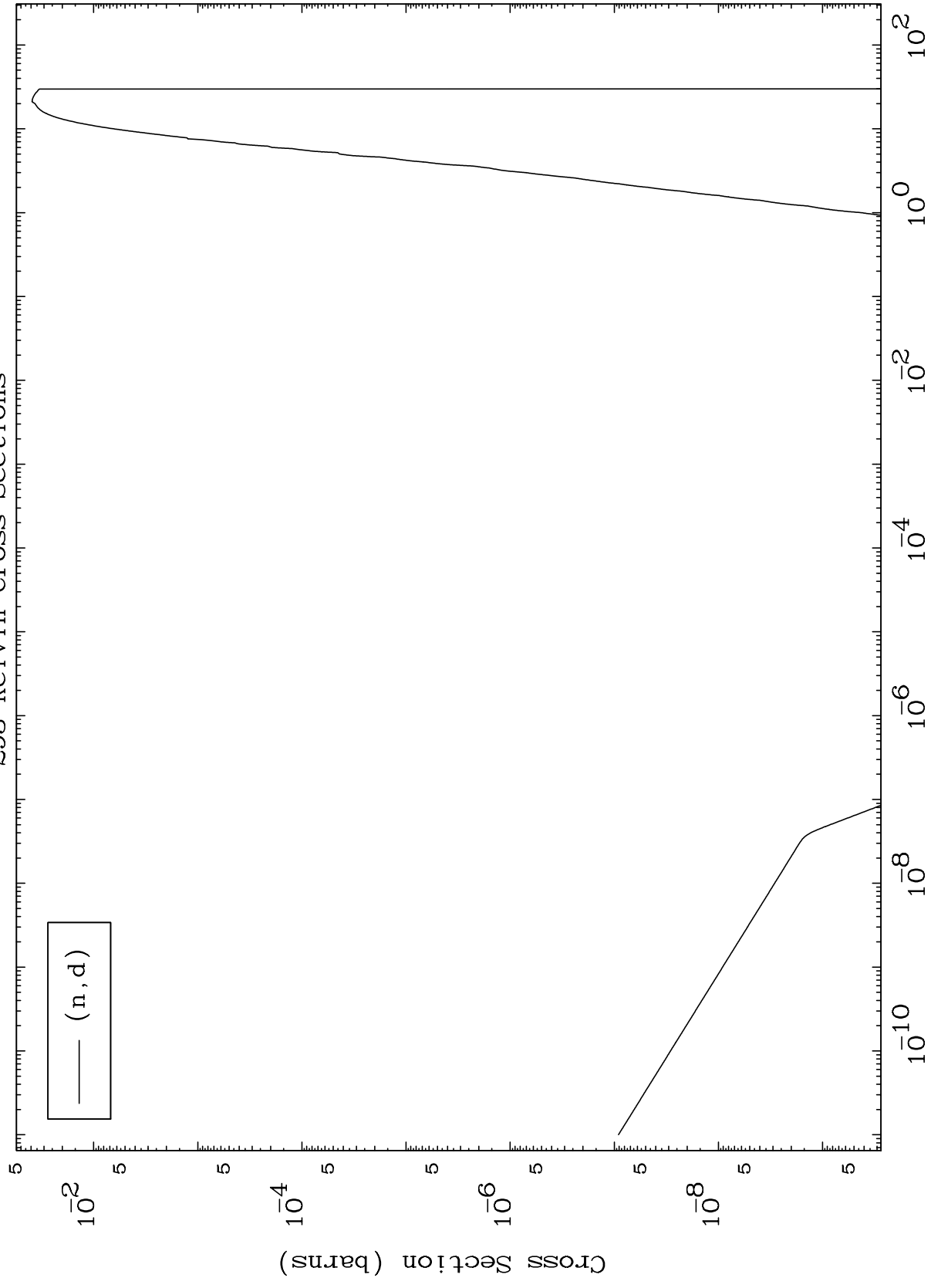


— (n, p)

MAT 5877

(n,d) Levels
293 Kelvin Cross Sections

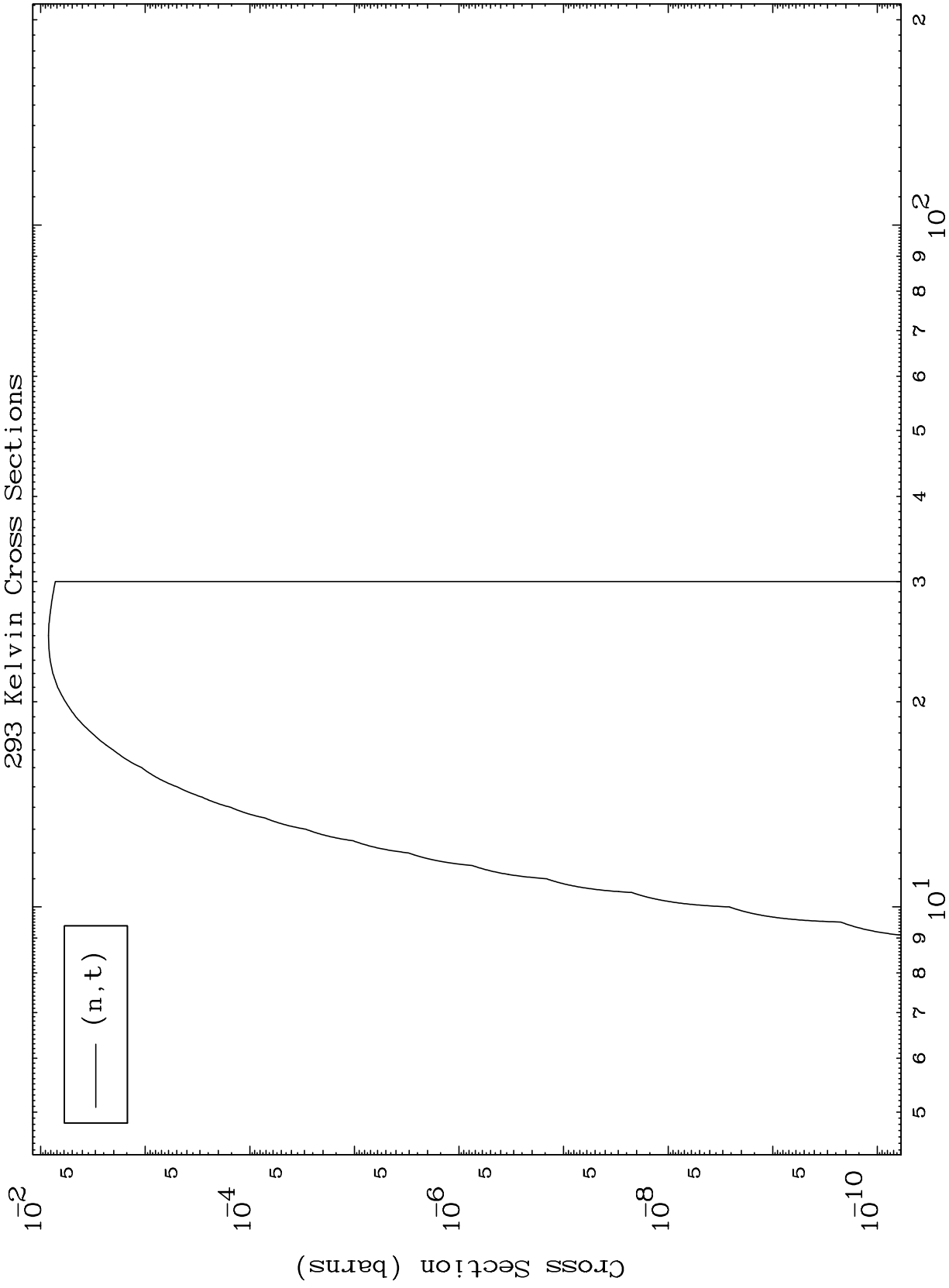
59-Pr-125



MAT 5877

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-125



9

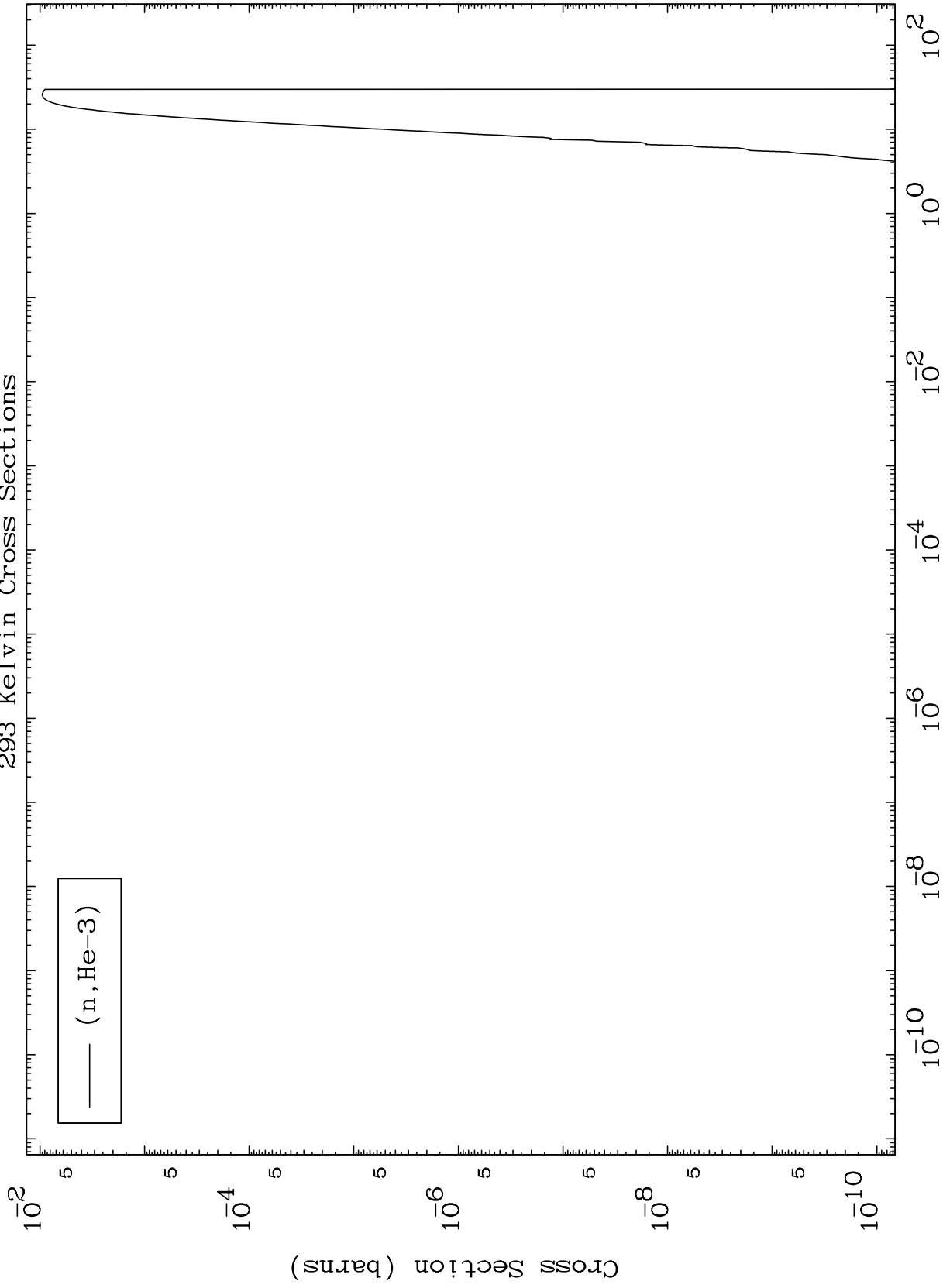
Incident Energy (MeV)

59-Pr-125

MAT 5877

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-125



(n, He-3)

10

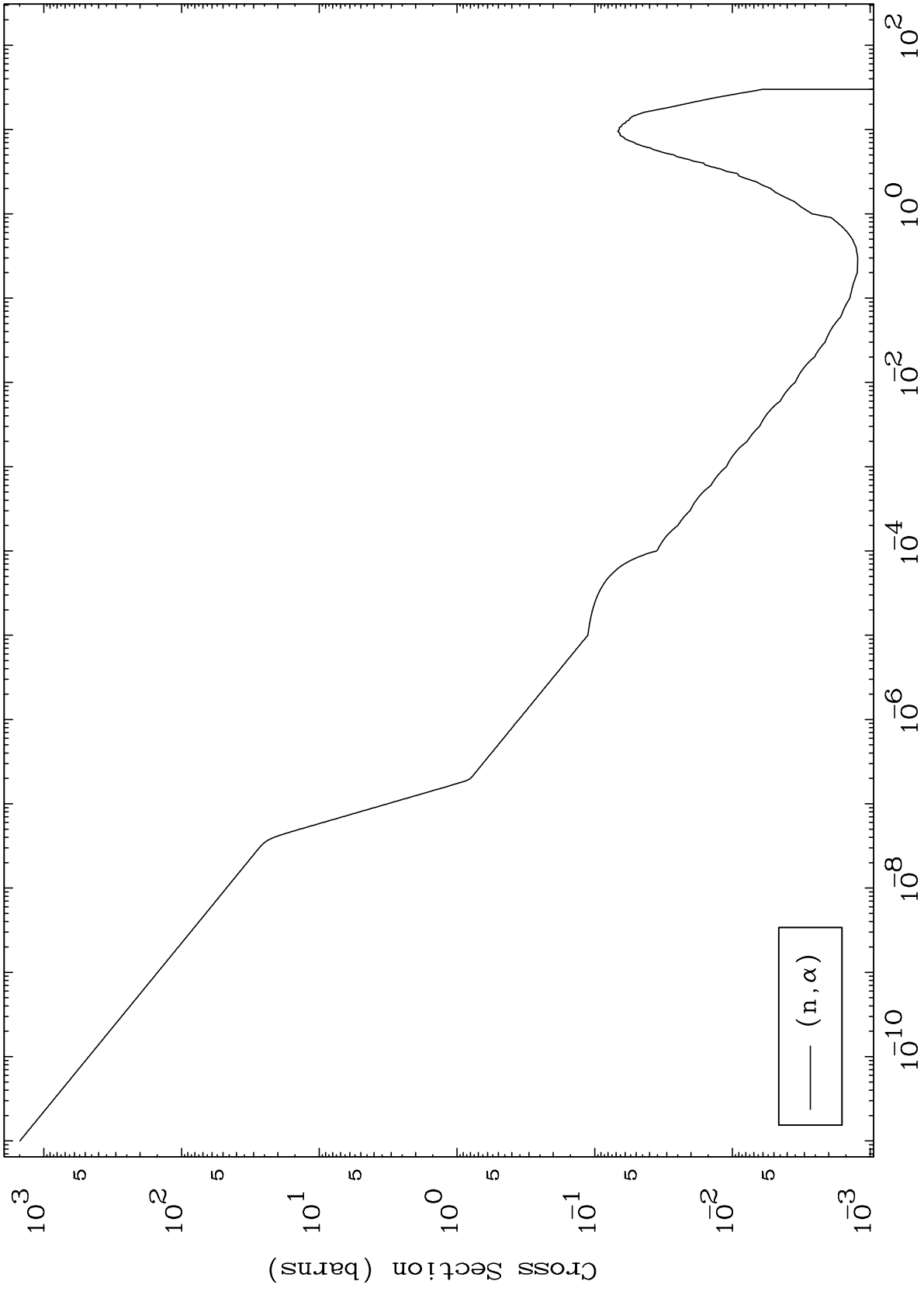
Incident Energy (MeV)

59-Pr-125

MAT 5877

293 Kelvin Cross Sections
(n,α) Levels

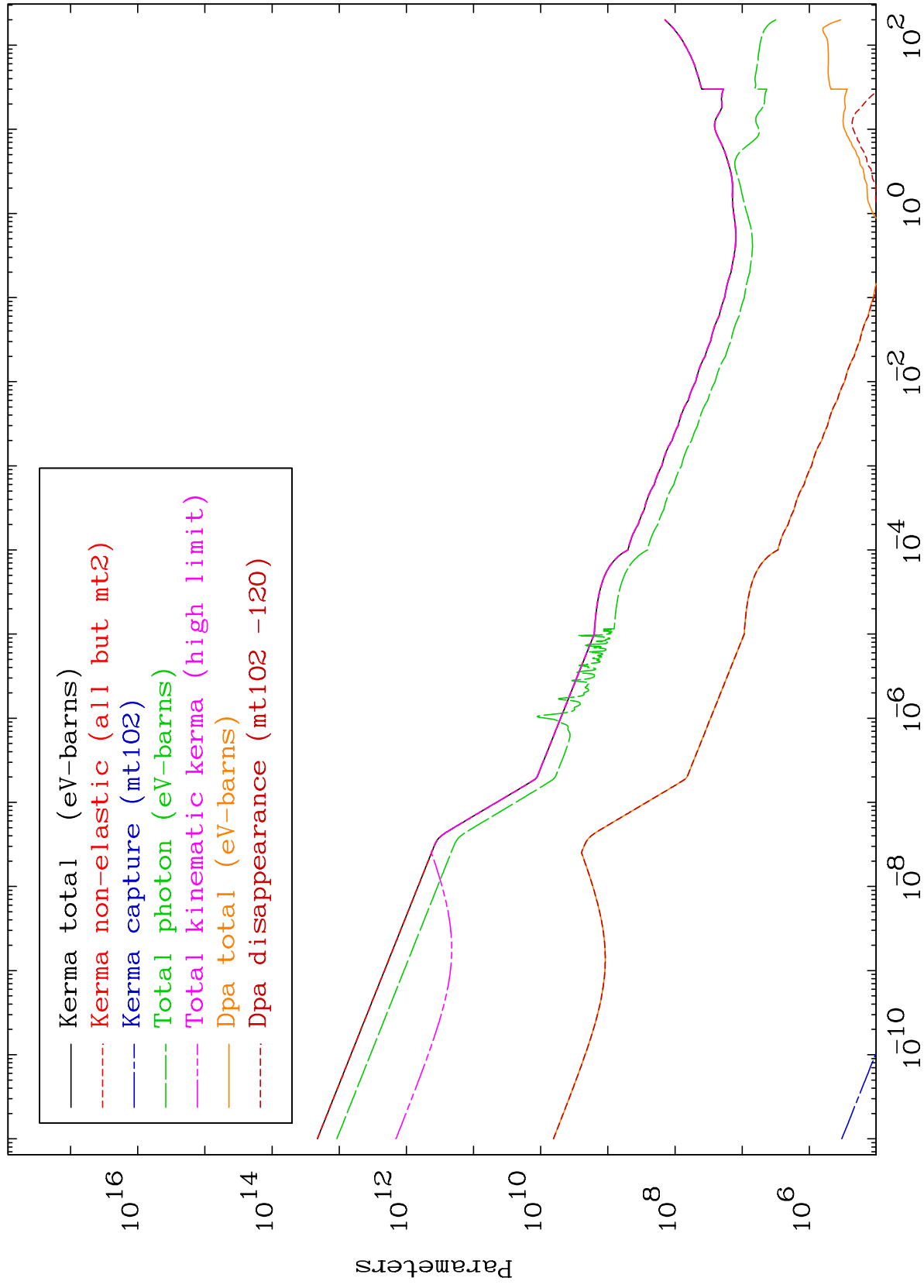
59-Pr-125



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Incident Energy (MeV)

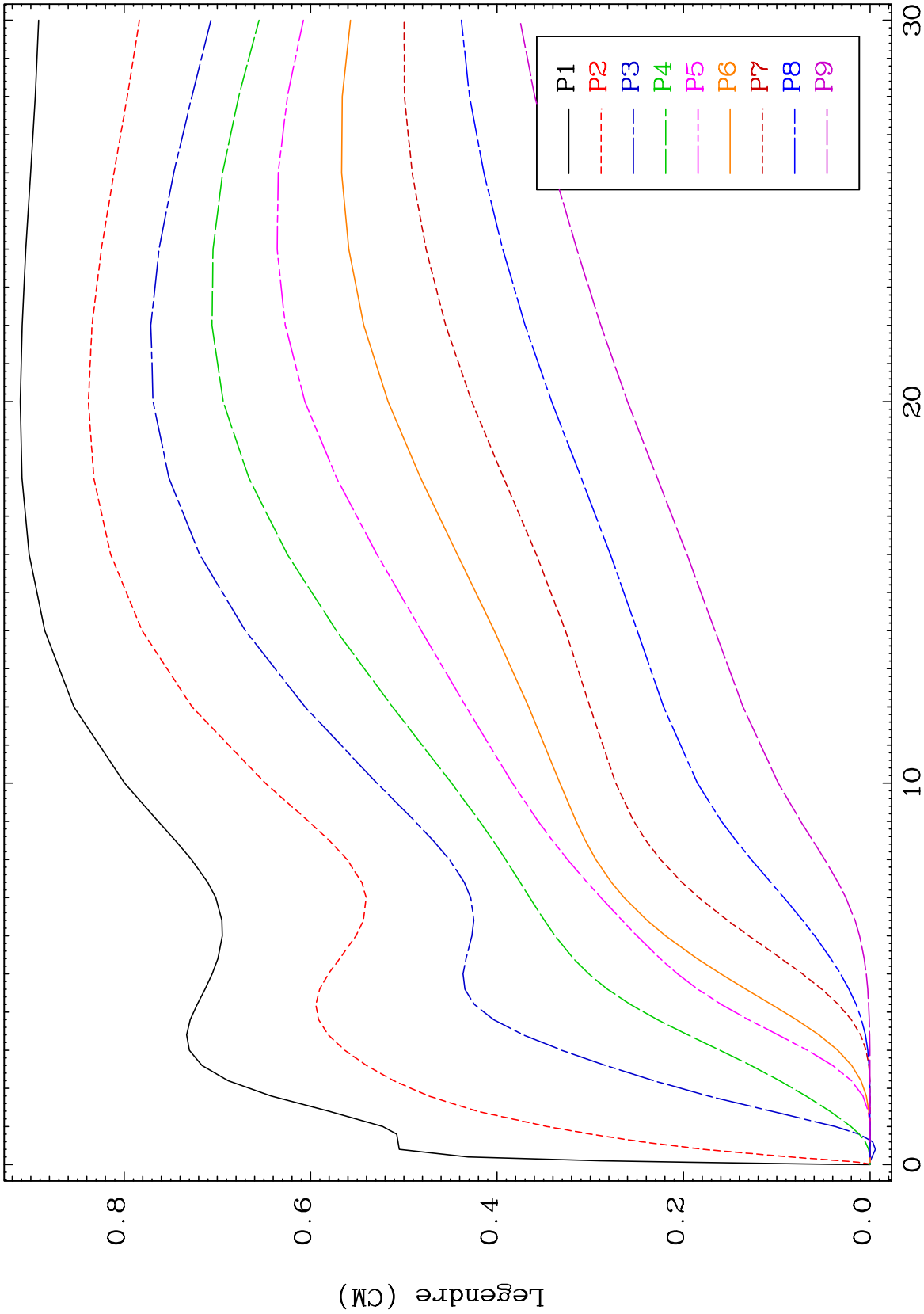
59-Pr-125



MAT 5877

Elastic Legendre Coefficients

59-Pr-125



13

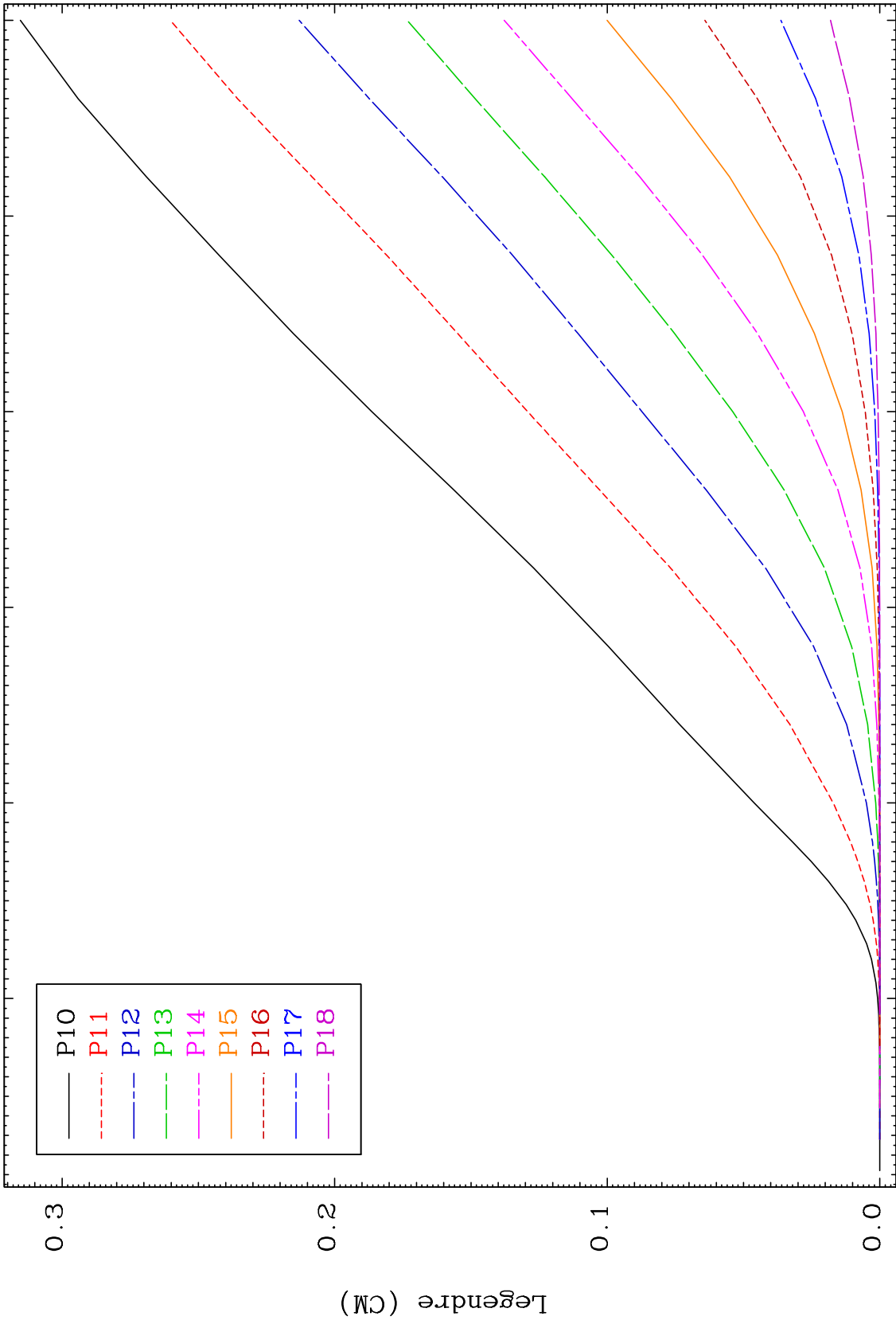
Incident Energy (MeV)

59-Pr-125

MAT 5877

Elastic Legendre Coefficients

59-Pr-125



14

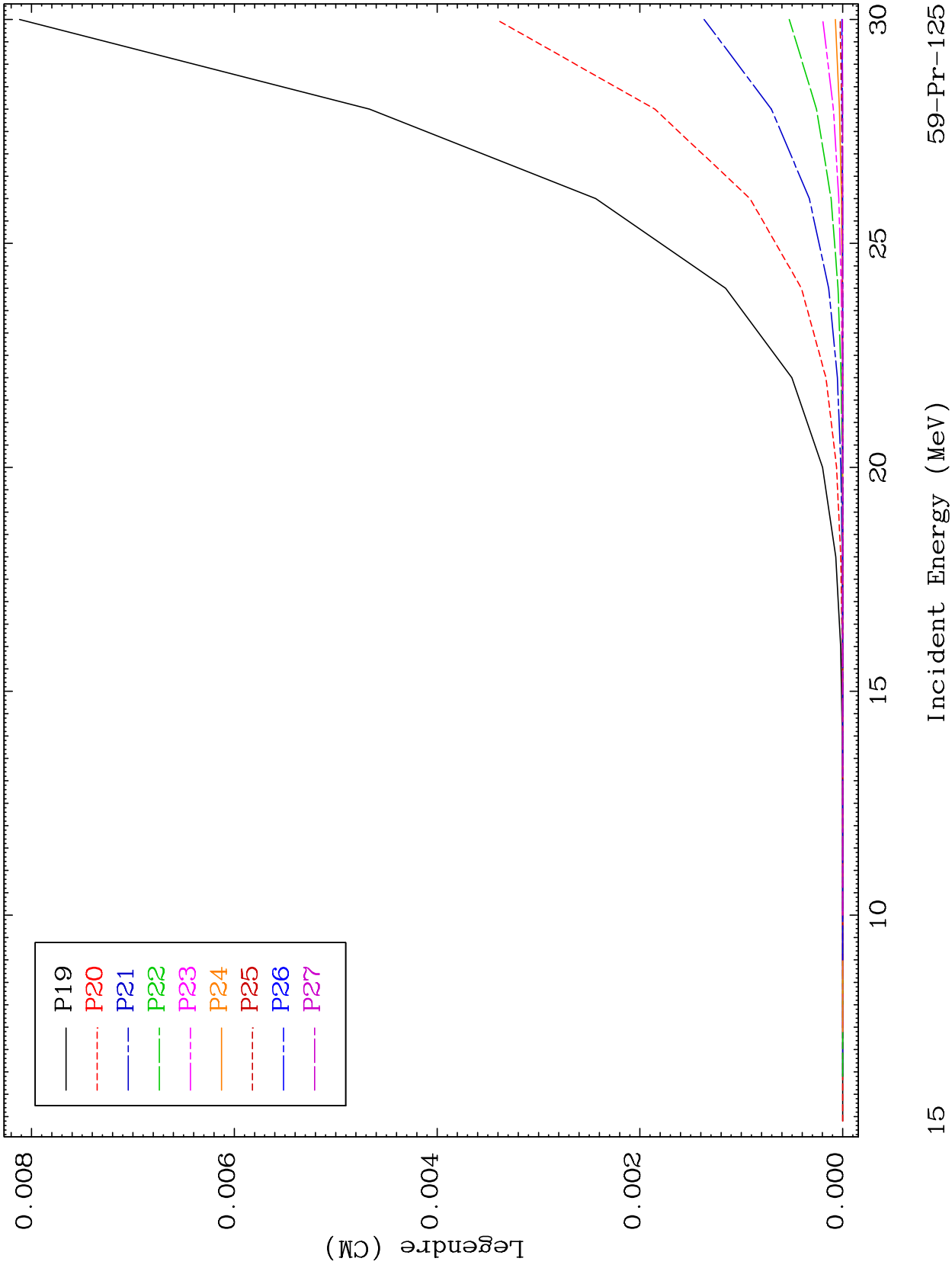
Incident Energy (MeV)

59-Pr-125

MAT 5877

Elastic Legendre Coefficients

59-Pr-125



15

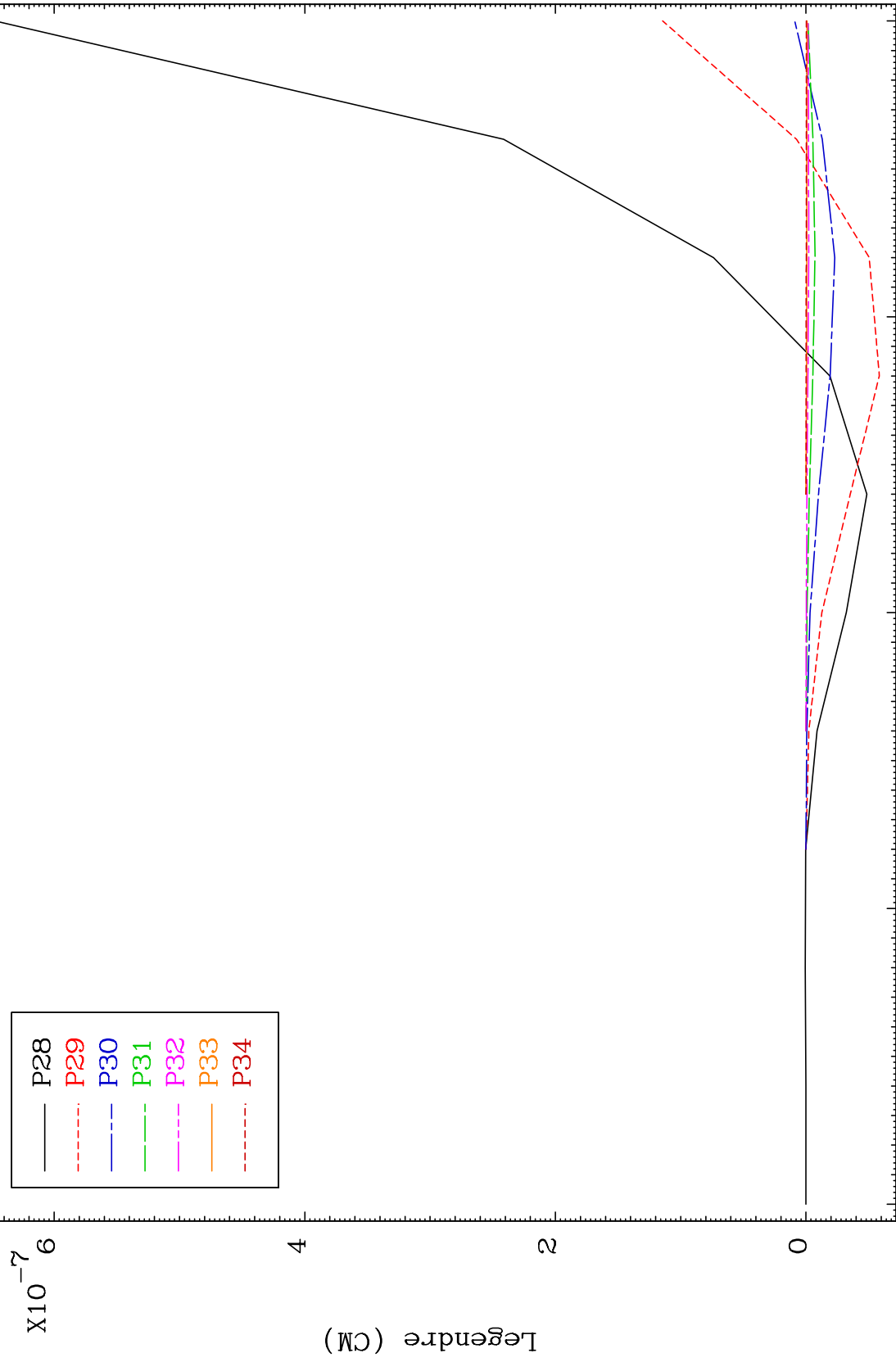
Incident Energy (MeV)

59-Pr-125

MAT 5877

Elastic
Legendre Coefficients

59-Pr-125



10

15

20

25

30

Incident Energy (MeV)

59-Pr-125

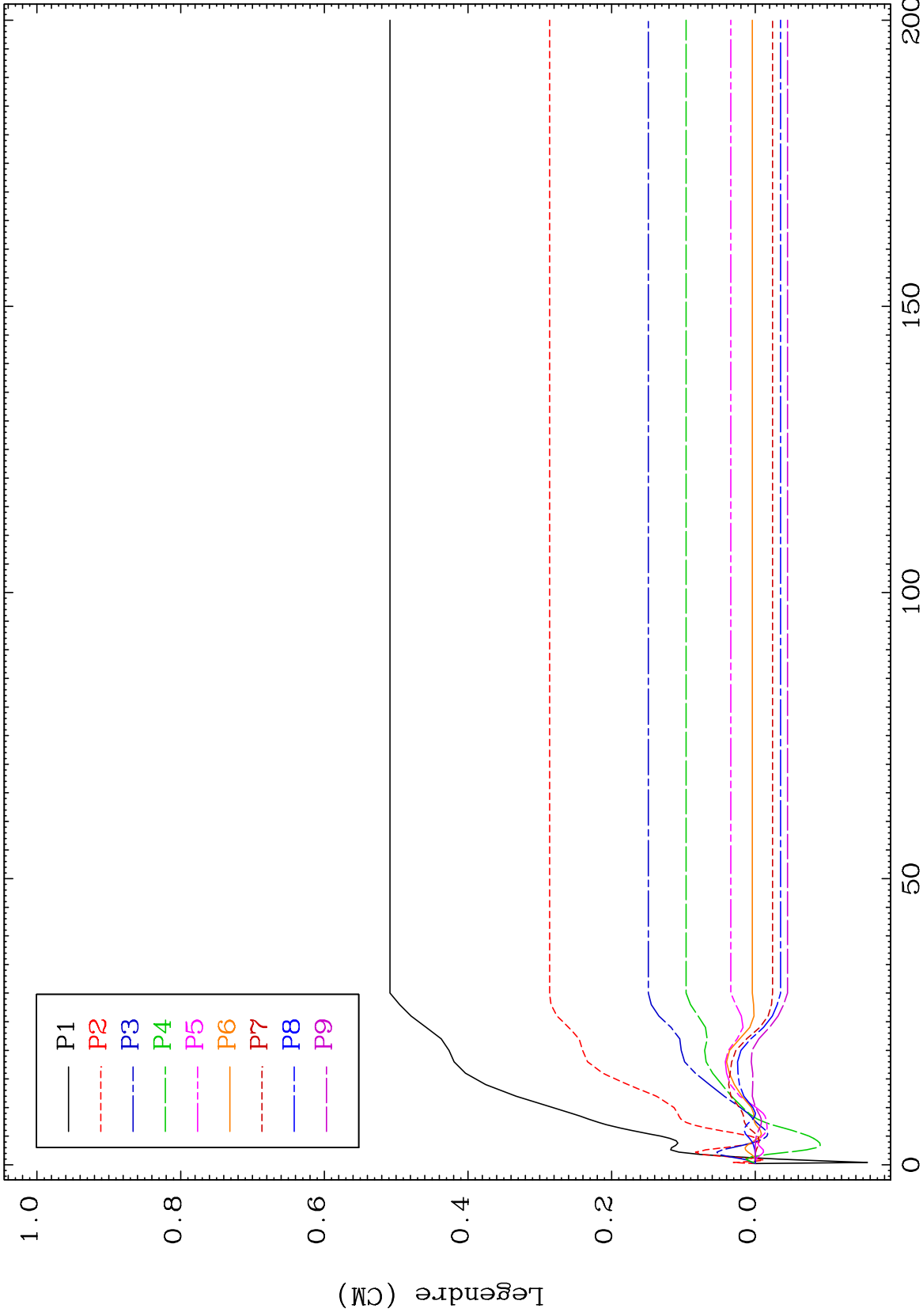
Legendre (CM)
X10⁻⁷

- P28
- P29
- P30
- P31
- P32
- P33
- P34

MAT 5877

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

59-Pr-125



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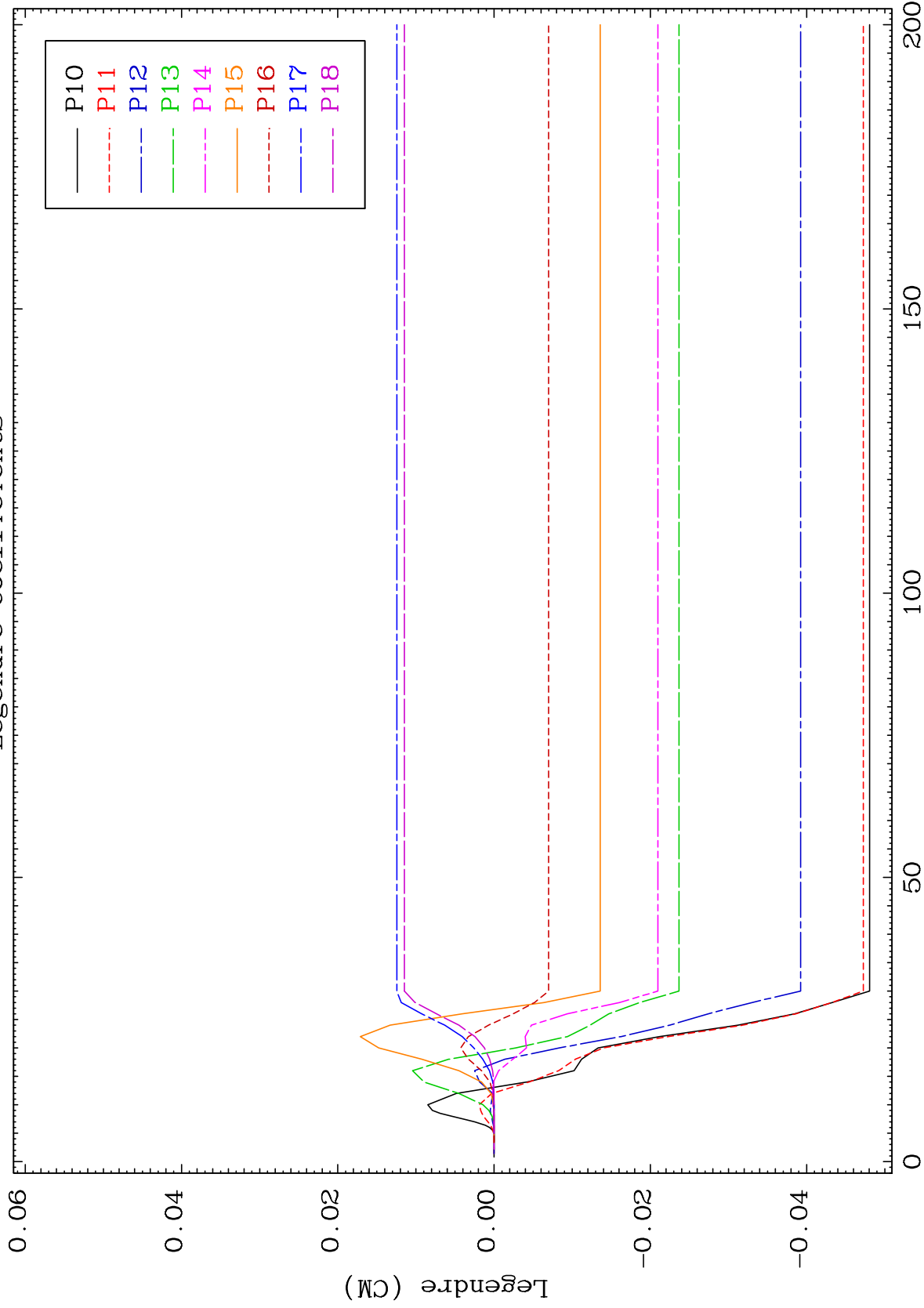
Incident Energy (MeV)

59-Pr-125

MAT 5877

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

59-Pr-125



18

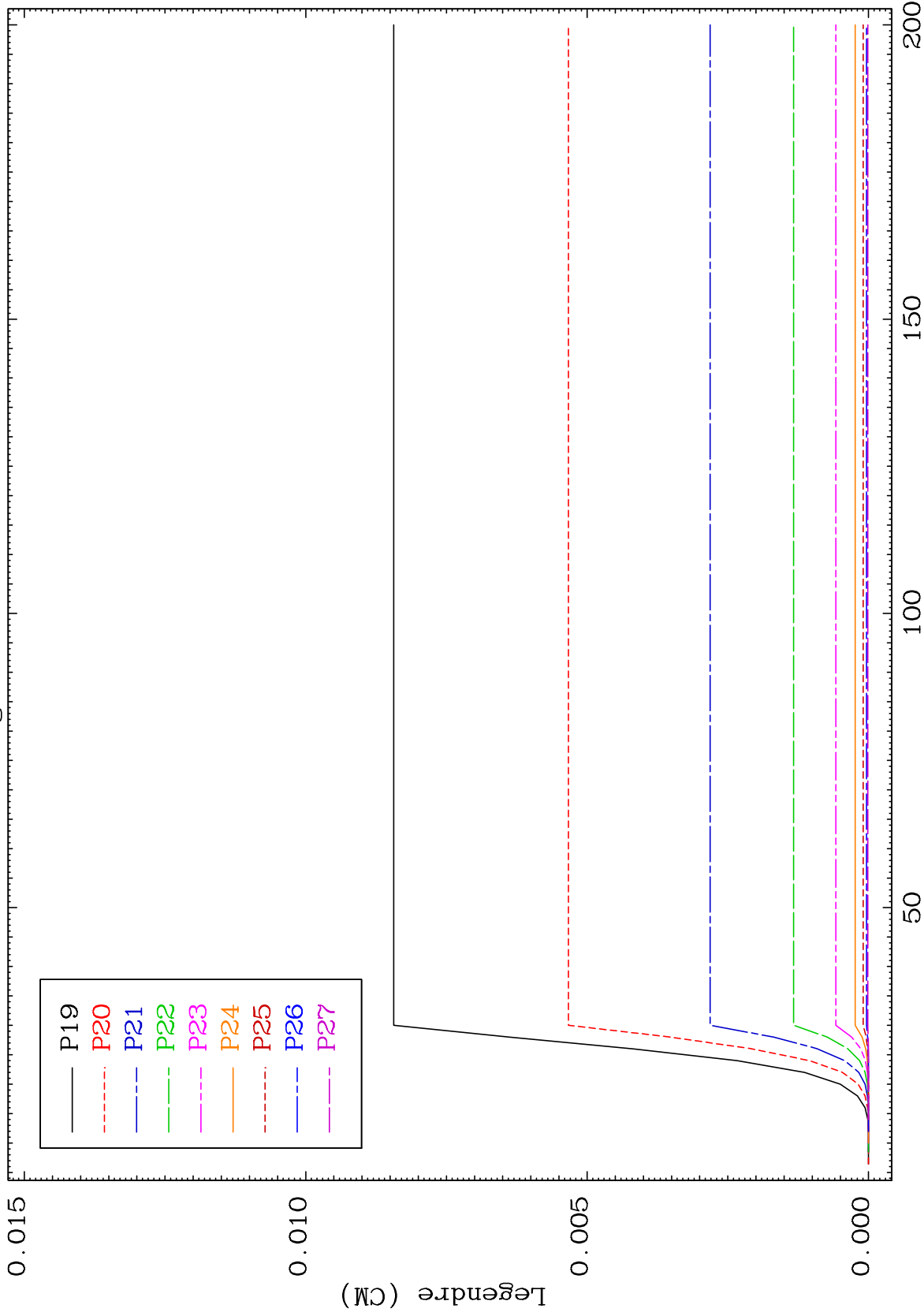
Incident Energy (MeV)

59-Pr-125

MAT 5877

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

59-Pr-125



19

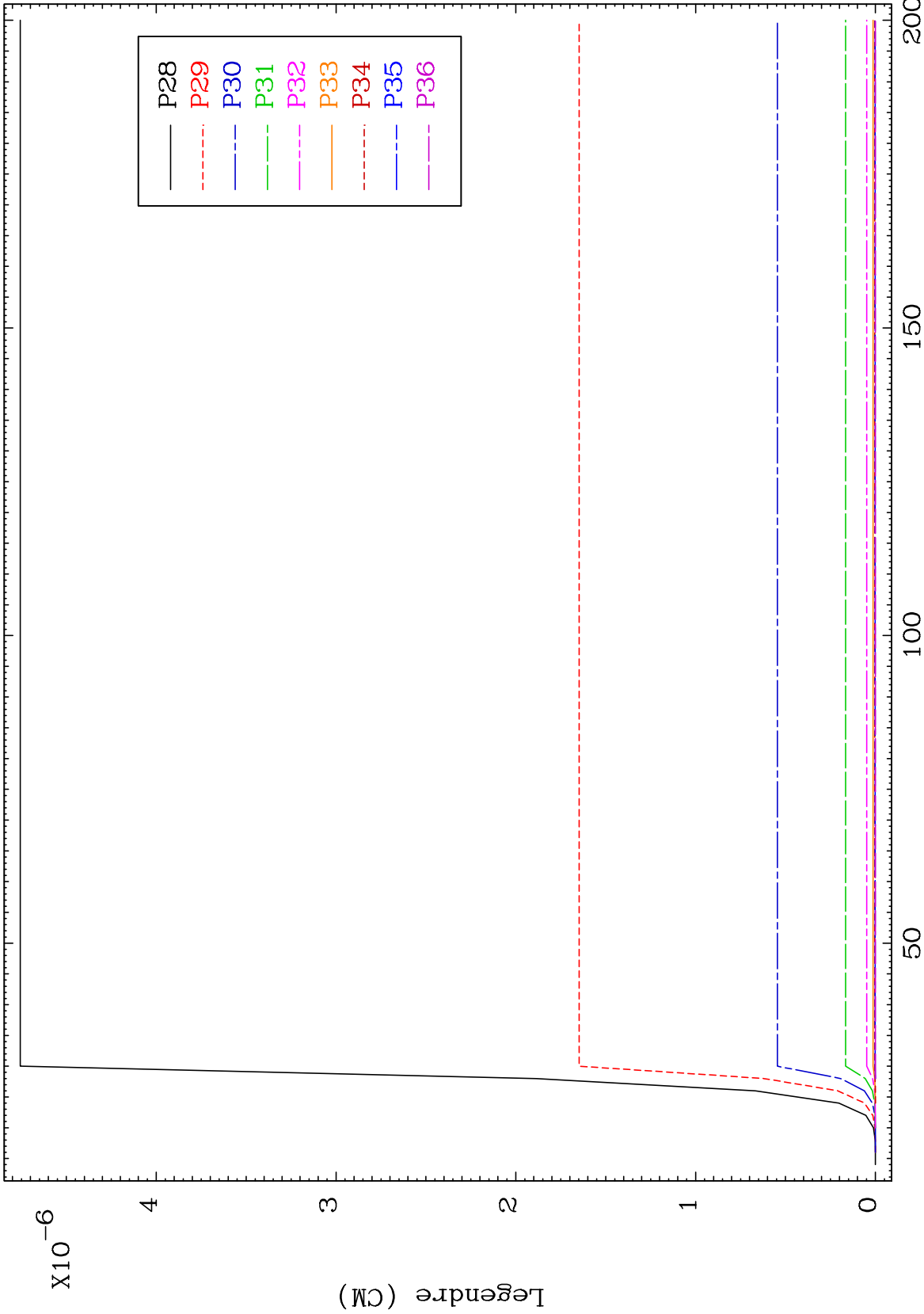
Incident Energy (MeV)

59-Pr-125

MAT 5877

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

59-Pr-125



20

50

100

150

200

Incident Energy (MeV)

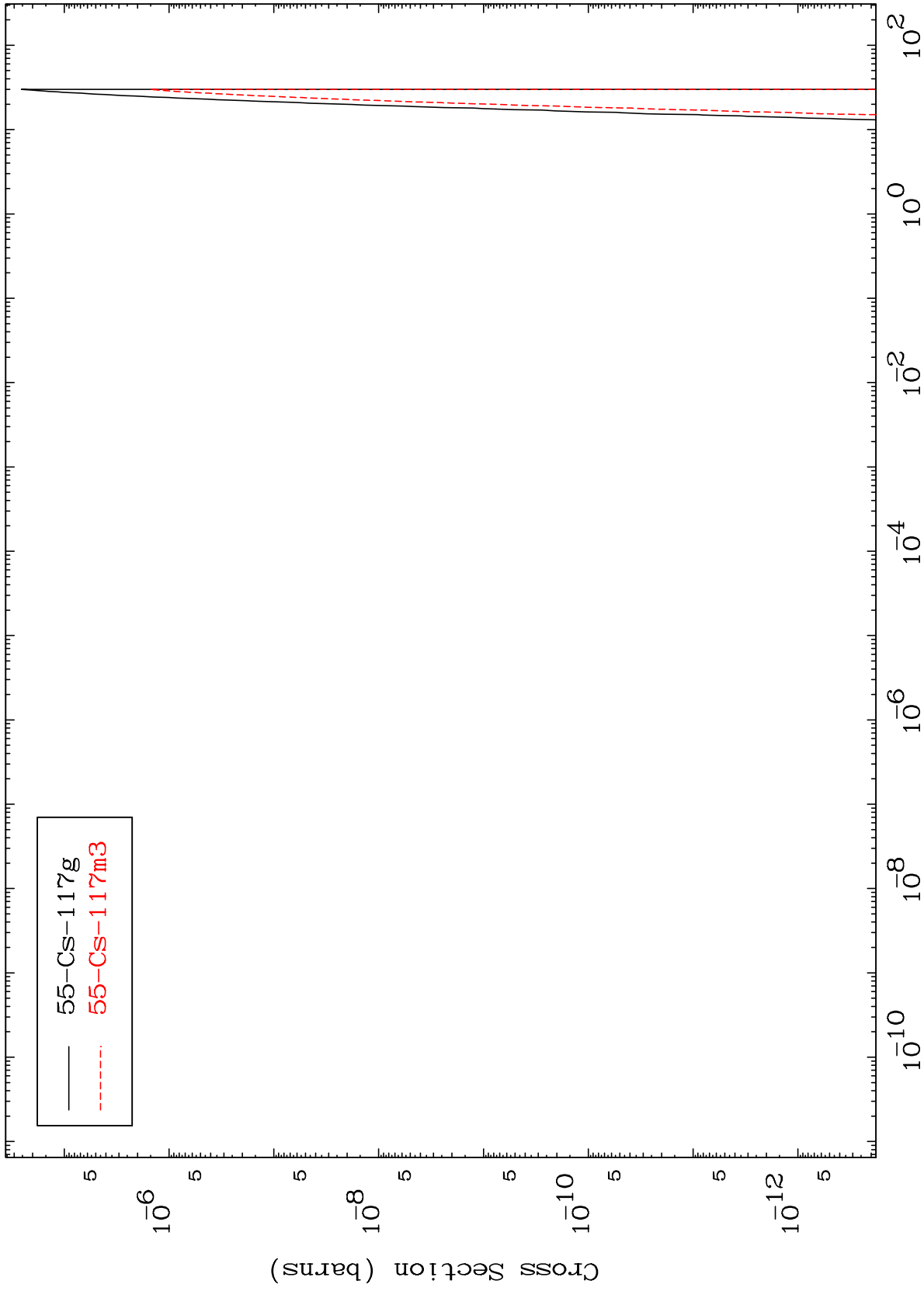
59-Pr-125

MAT 5877

(n,n') 2 α

59-Pr-125

Radionuclide Production Cross Section



21

Incident Energy (MeV)

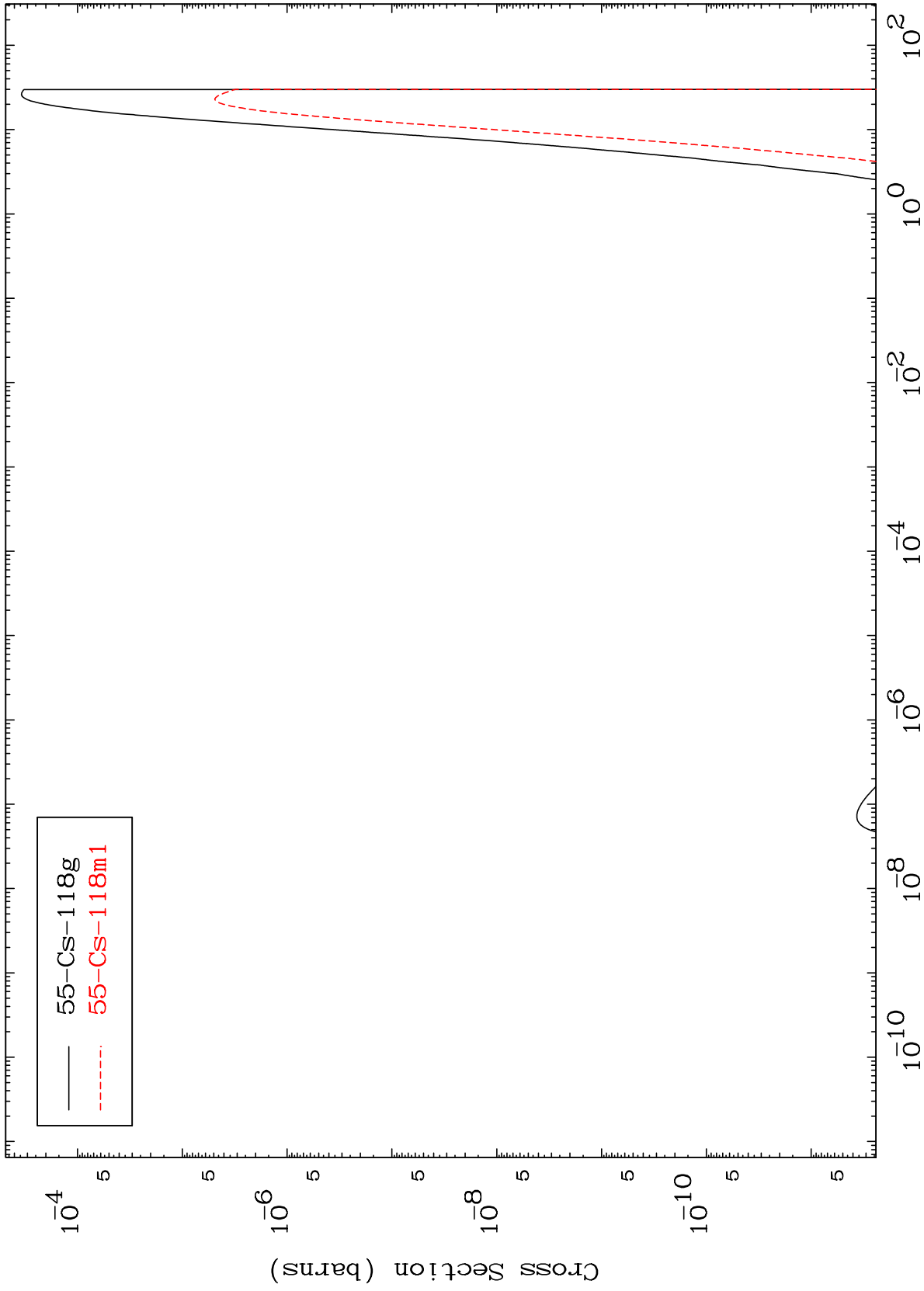
59-Pr-125

MAT 5877

(n,2α)

59-Pr-125

Radionuclide Production Cross Section



22

Incident Energy (MeV)

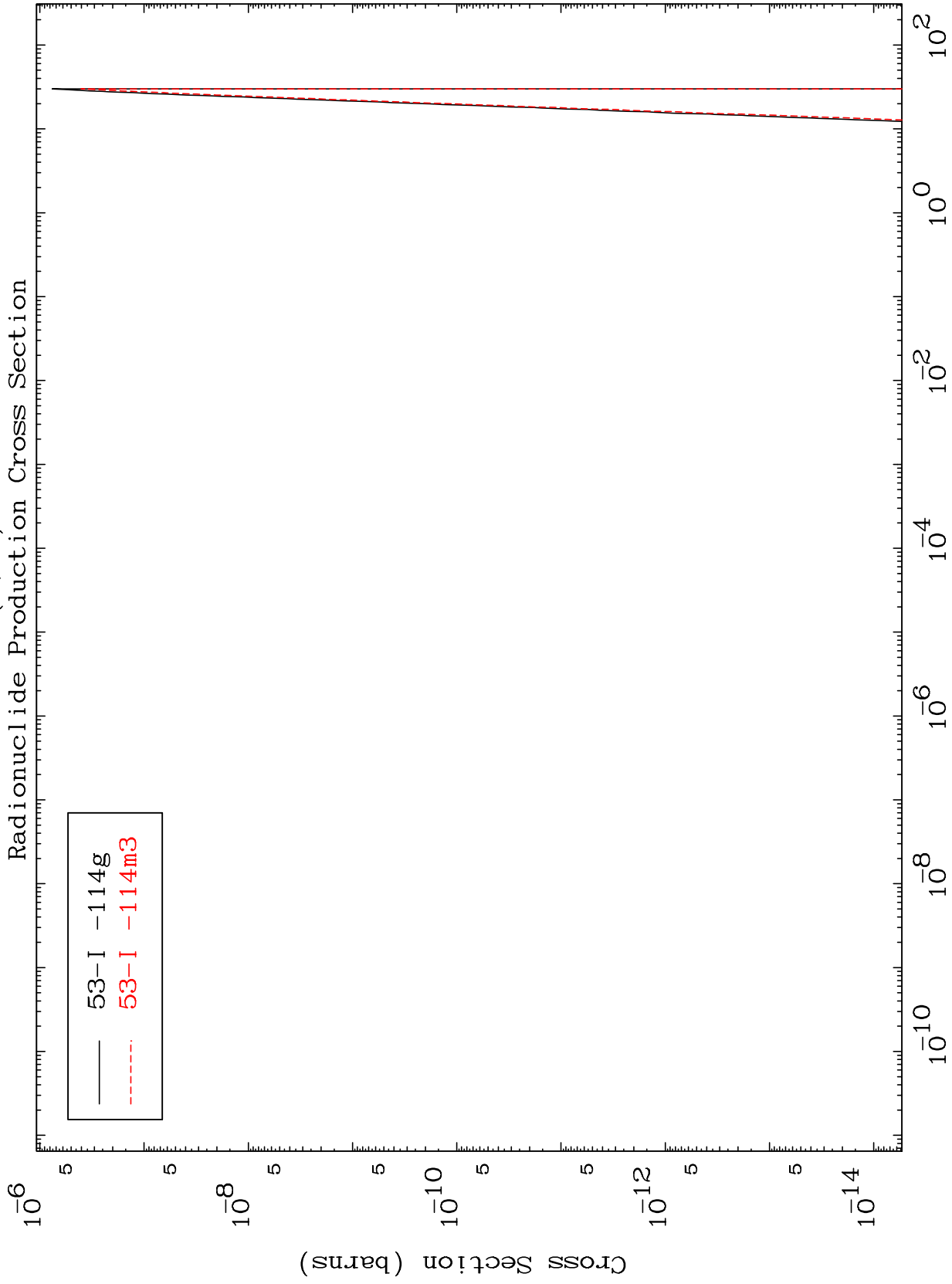
59-Pr-125

MAT 5877

(n,3α)

59-Pr-125

Radionuclide Production Cross Section



23

Incident Energy (MeV)

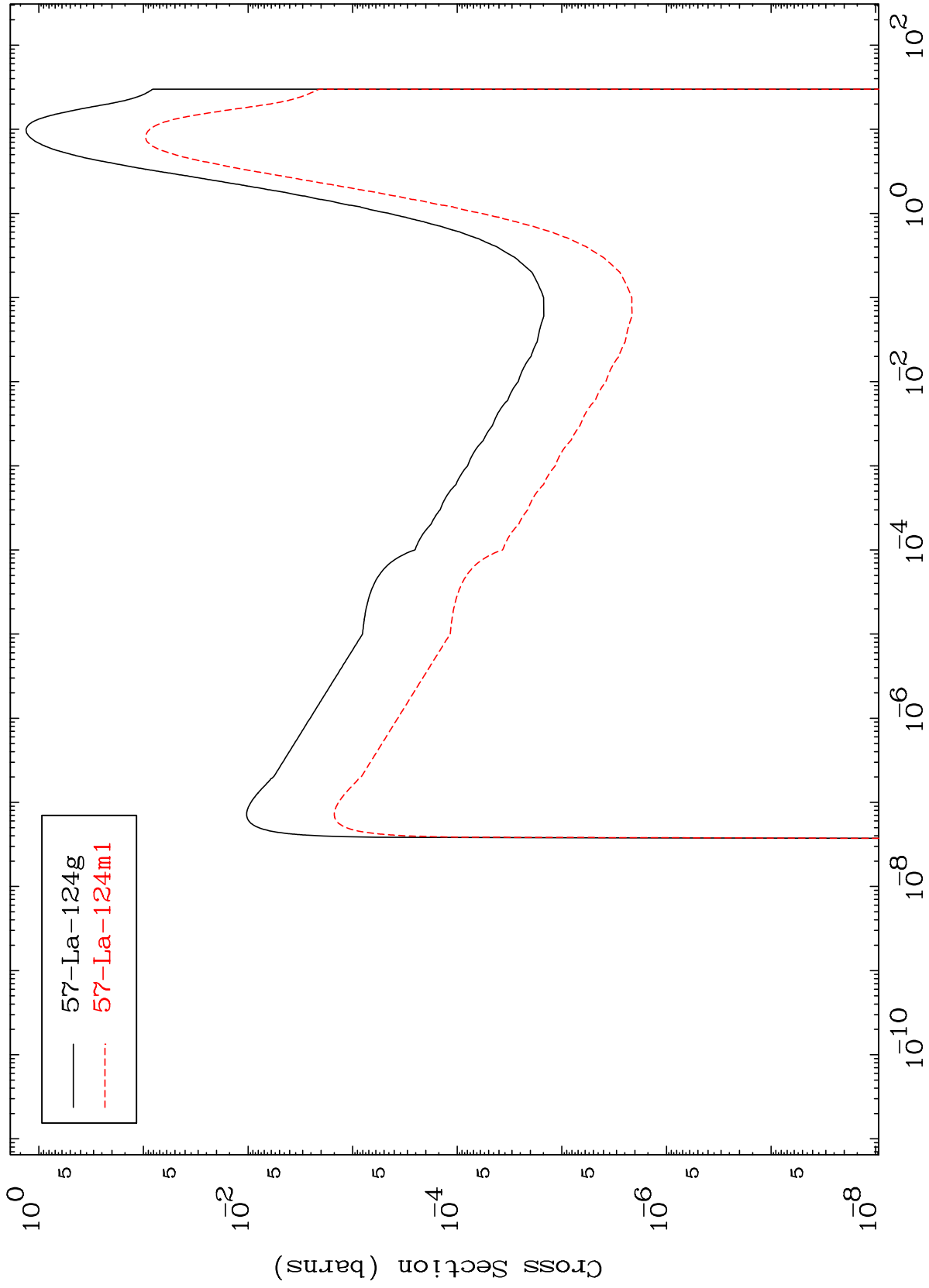
59-Pr-125

MAT 5877

(n,2p)

59-Pr-125

Radionuclide Production Cross Section



— 57-La-124g
- - - 57-La-124m1