

Program EVALPLOT
(Version 2017-1)

by

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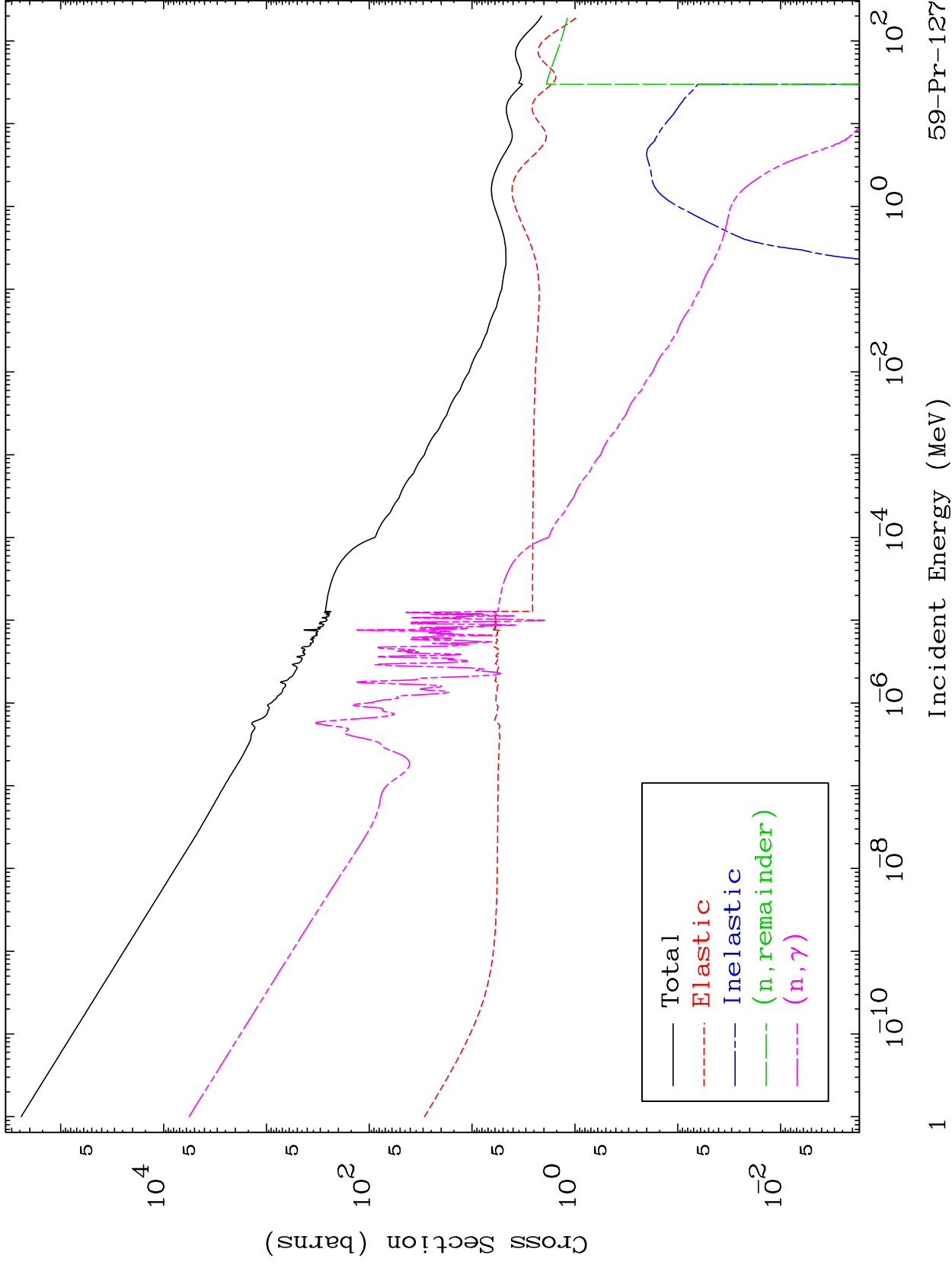
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5883

Major
293 Kelvin Cross Sections

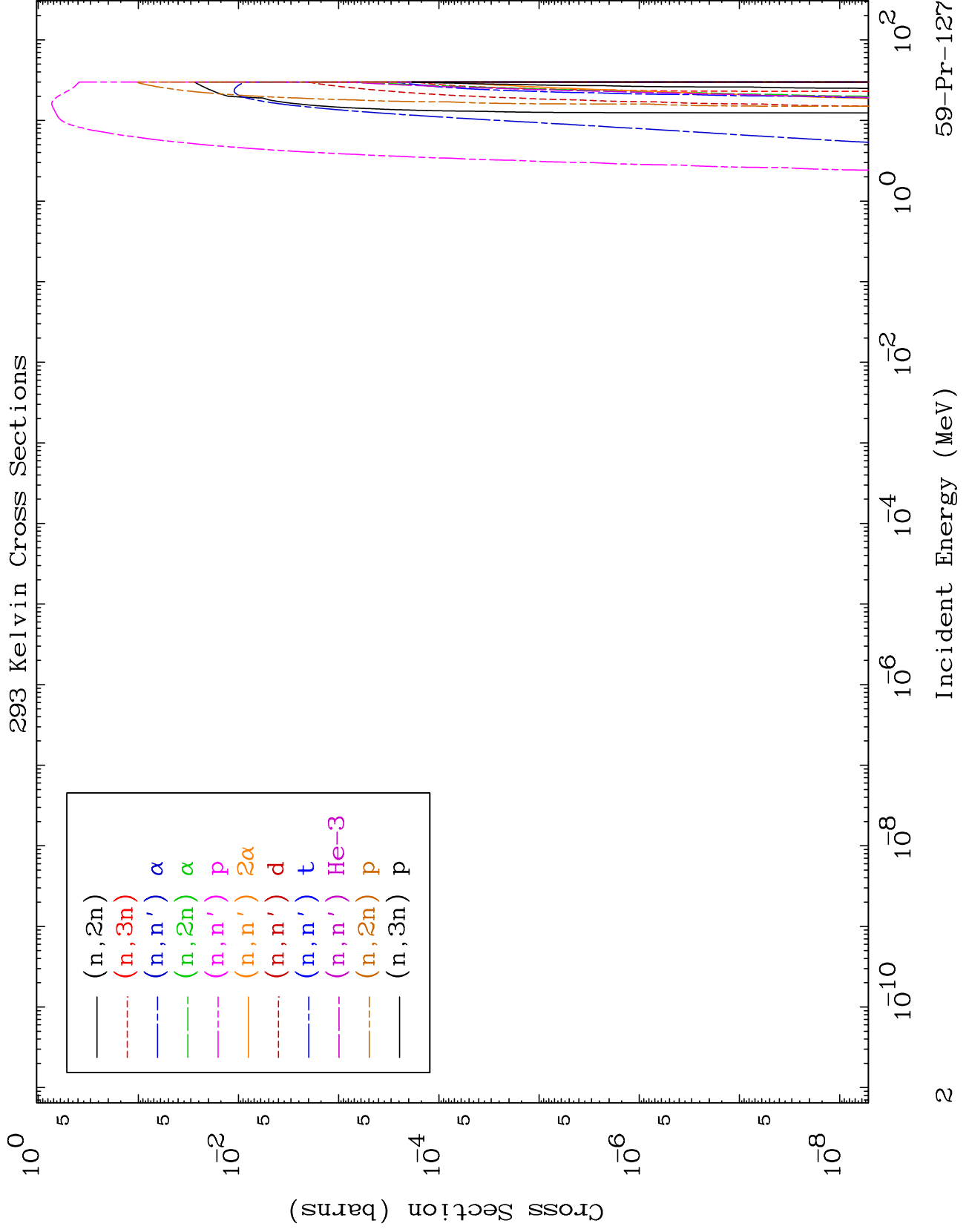
59-Pr-127



MAT 5883

Neutron Production
293 Kelvin Cross Sections

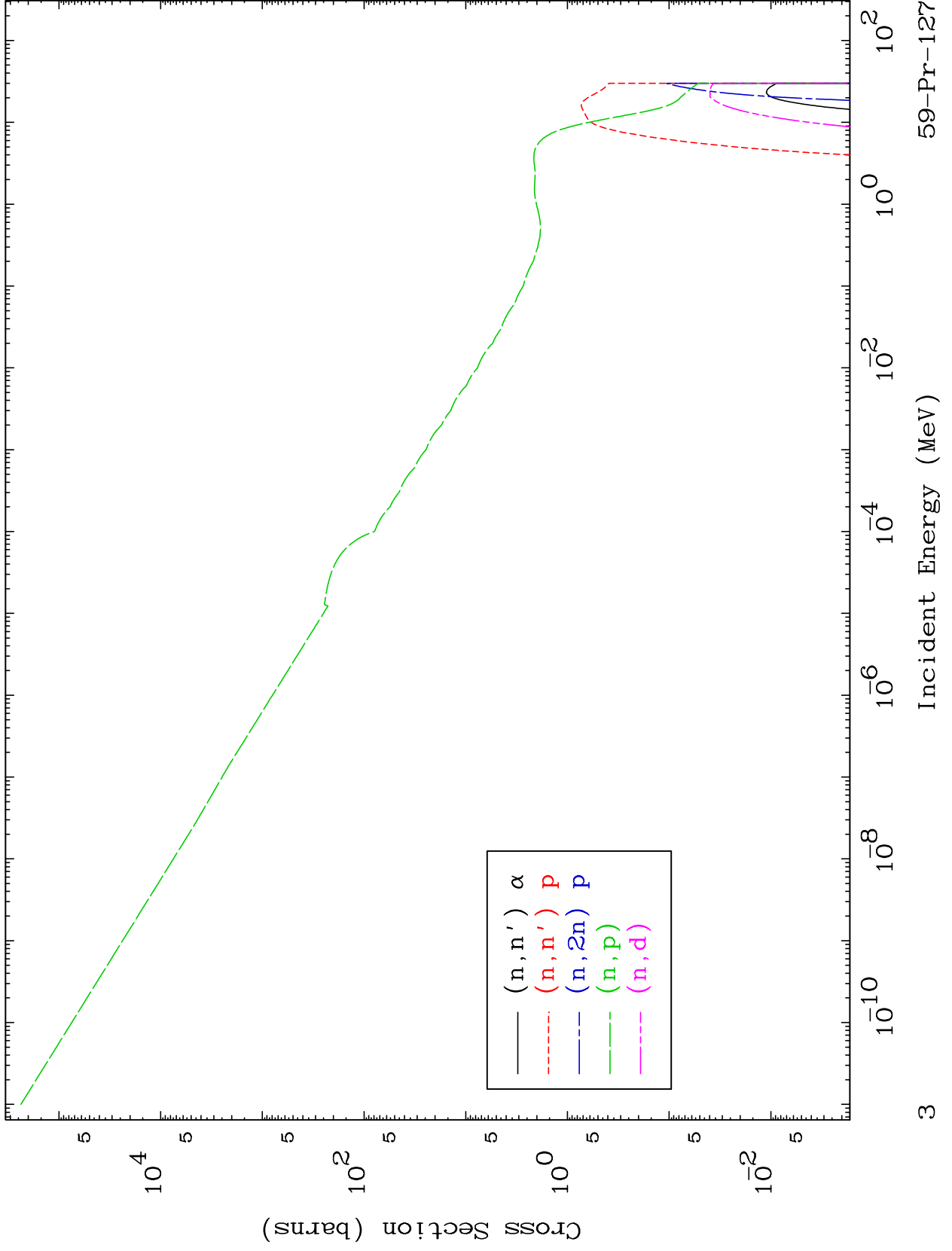
59-Pr-127



MAT 5883

Charged Particle
293 Kelvin Cross Sections

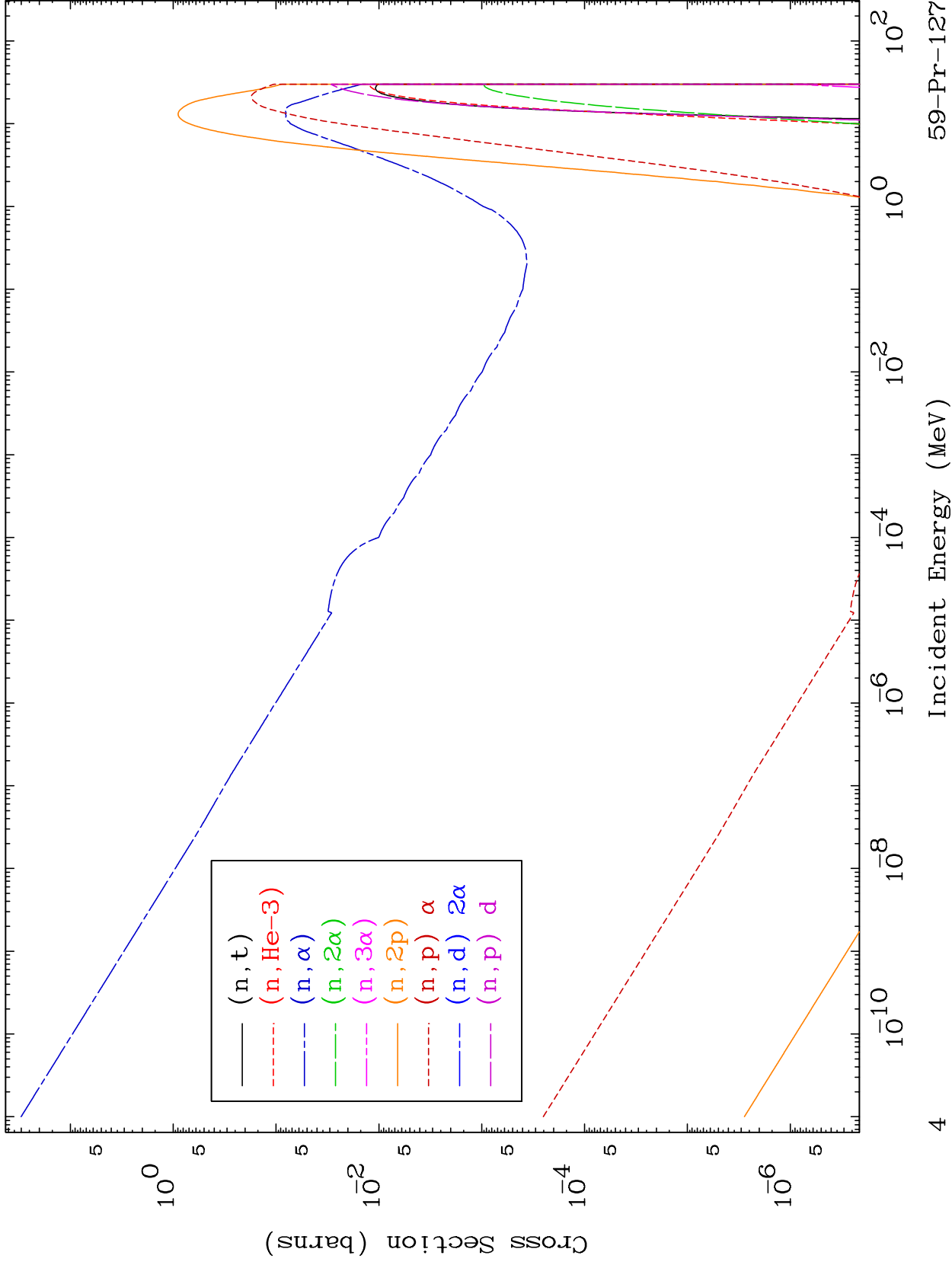
59-Pr-127



MAT 5883

Charged Particle
293 Kelvin Cross Sections

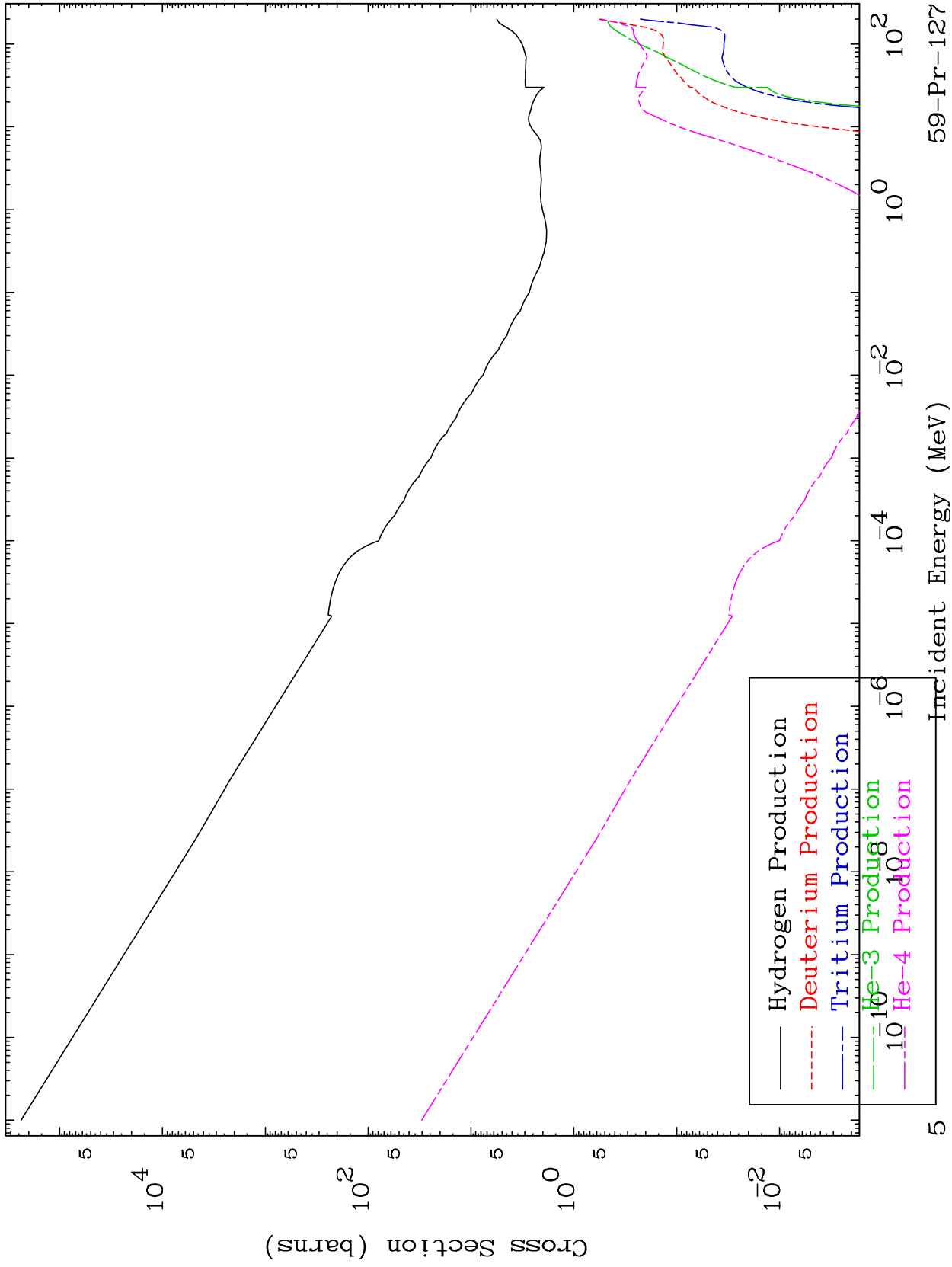
59-Pr-127



MAT 5883

Particle Production
293 Kelvin Cross Sections

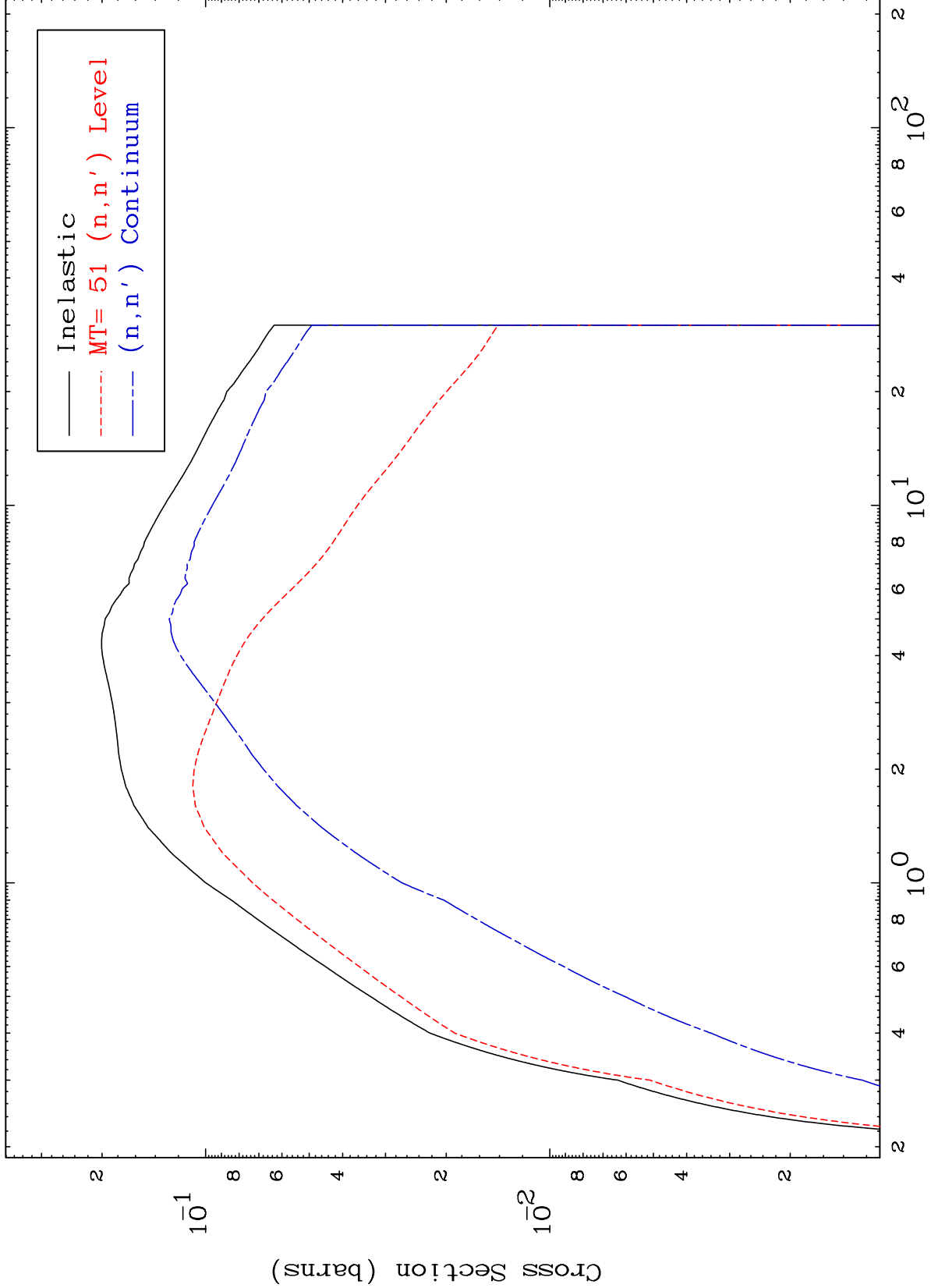
59-Pr-127



MAT 5883

(n,n') Level
293 Kelvin Cross Sections

59-Pr-127



59-Pr-127

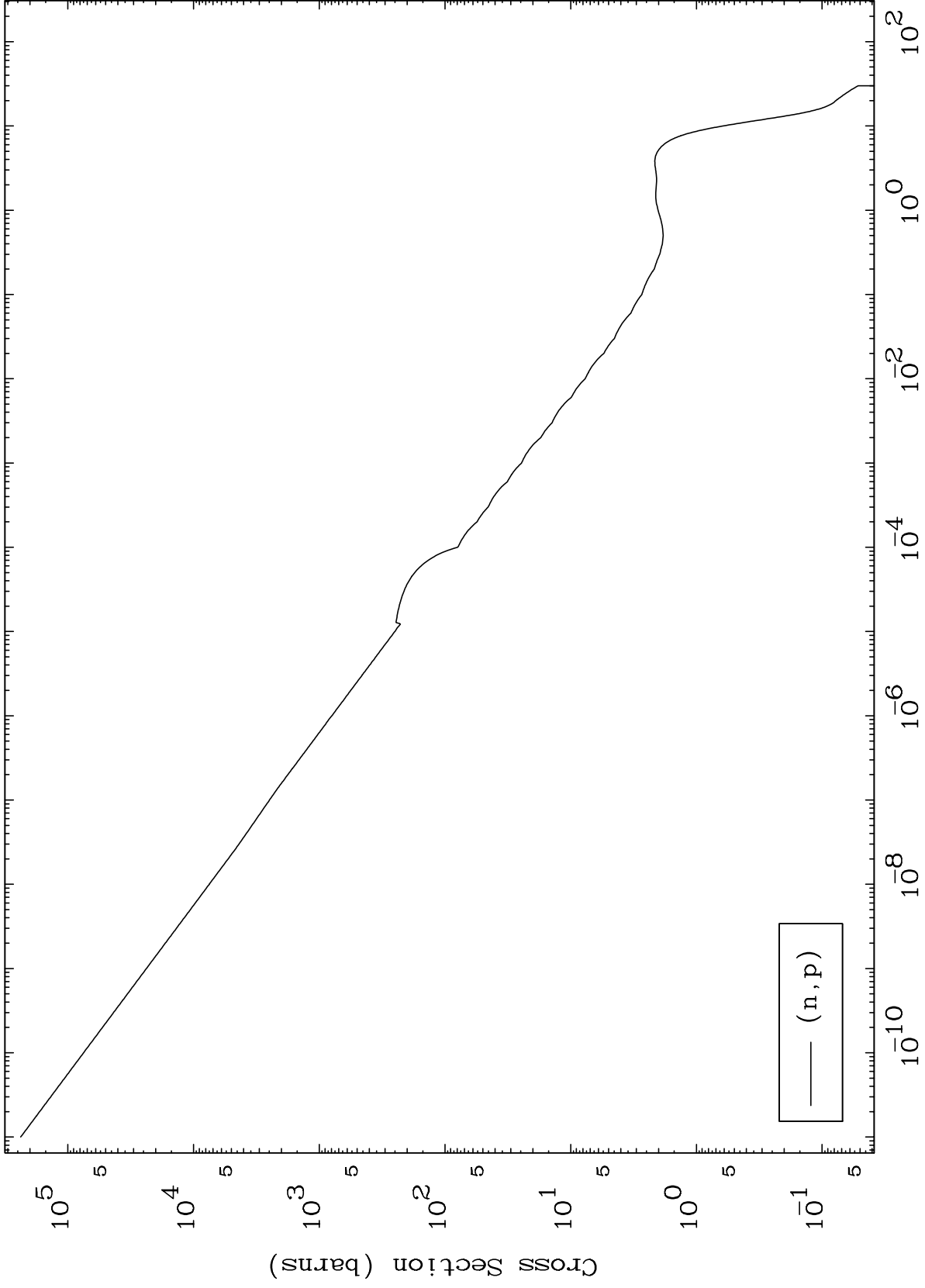
Incident Energy (MeV)

6

MAT 5883

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-127



Incident Energy (MeV)

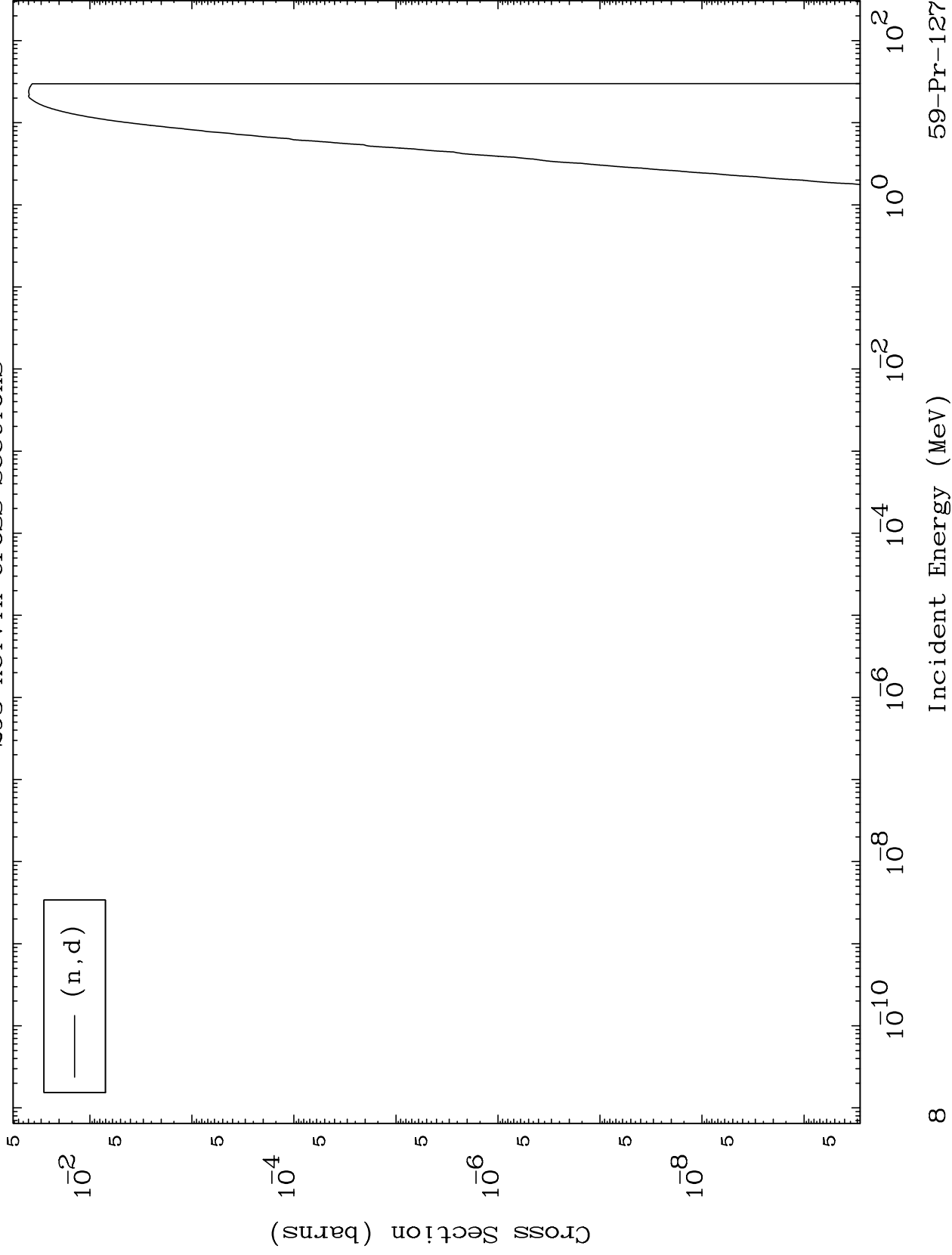
59-Pr-127

(n,p)

MAT 5883

(n,d) Levels
293 Kelvin Cross Sections

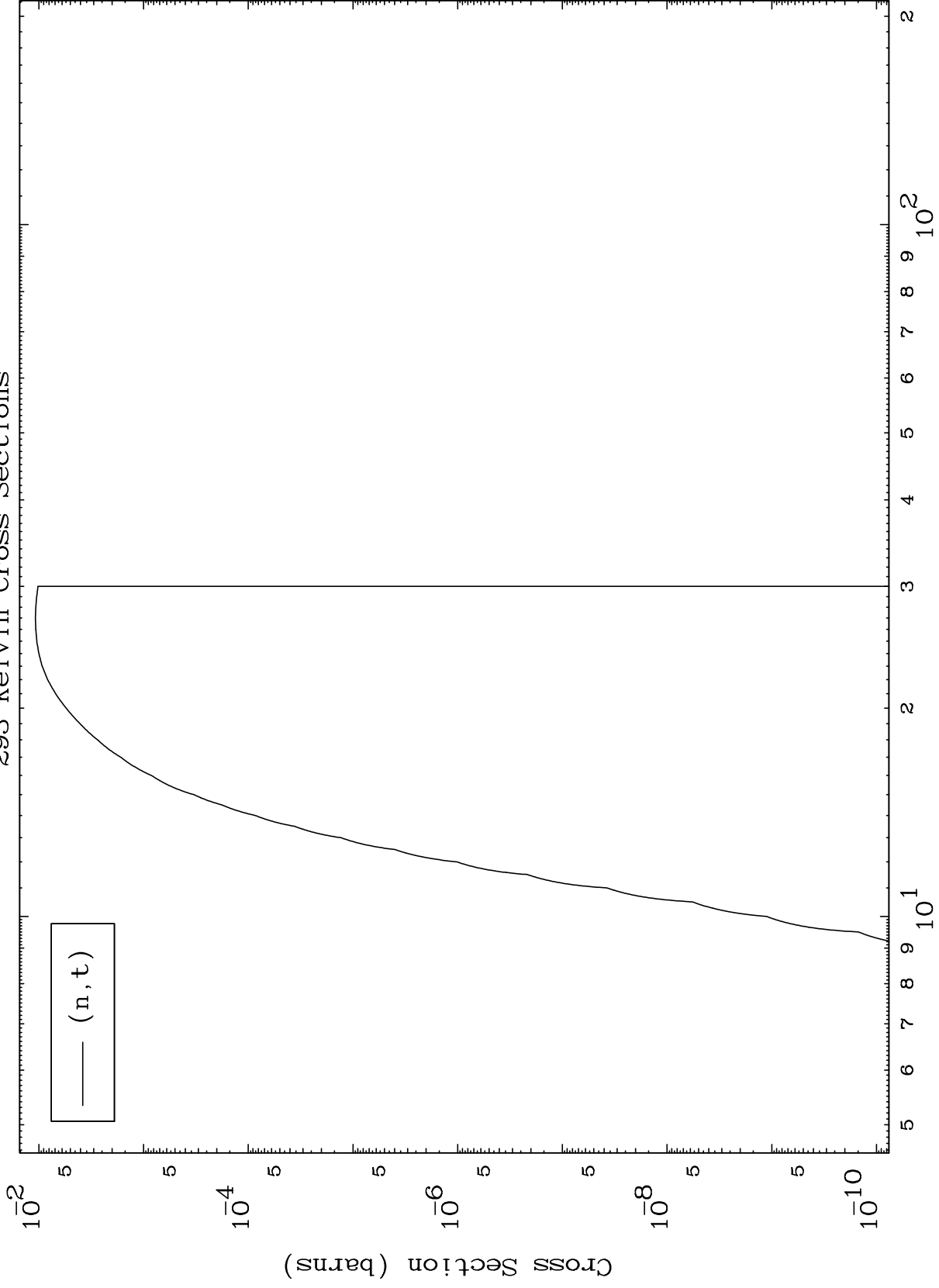
59-Pr-127



MAT 5883

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-127

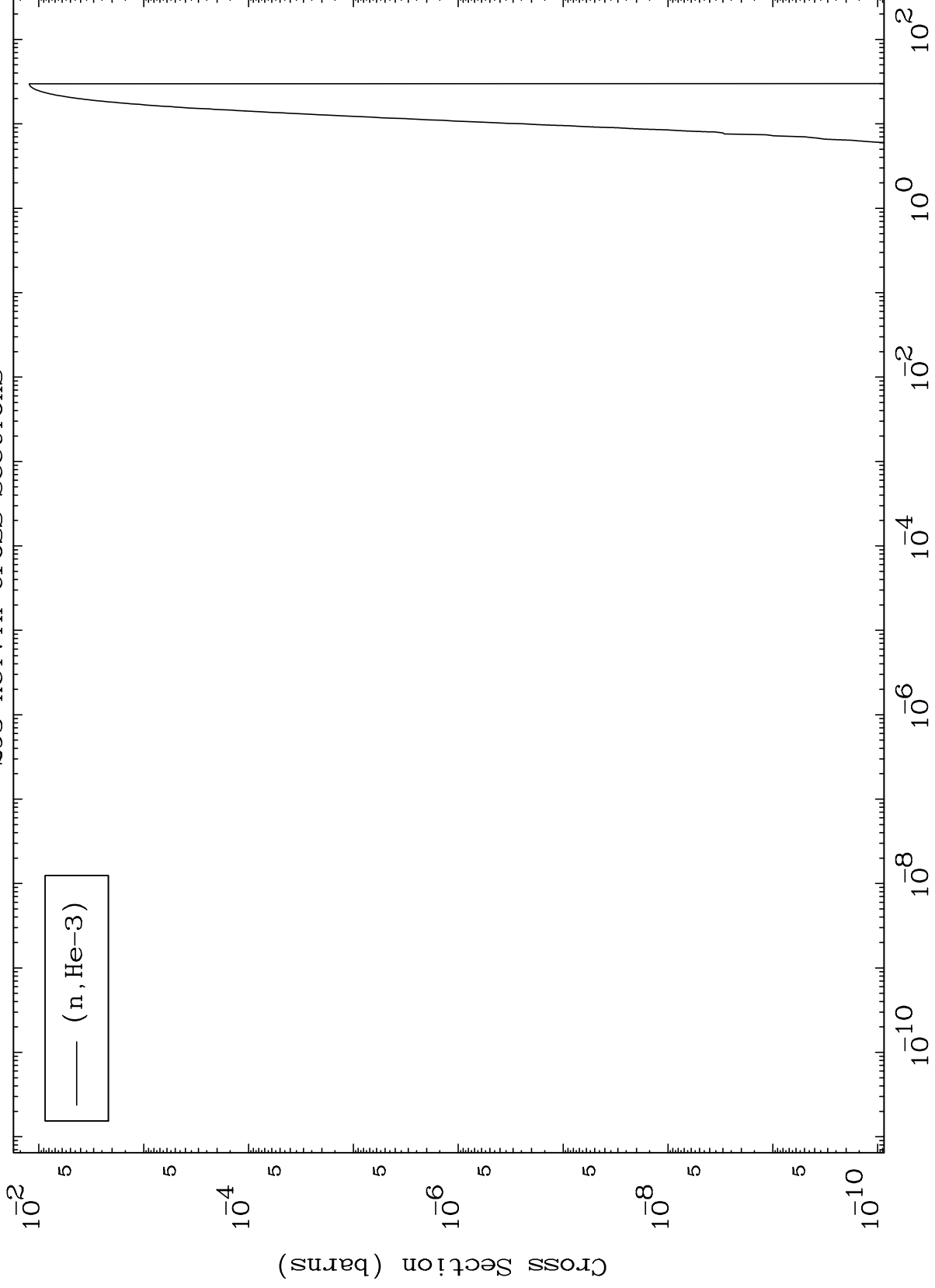


(n,t)

MAT 5883

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-127



10

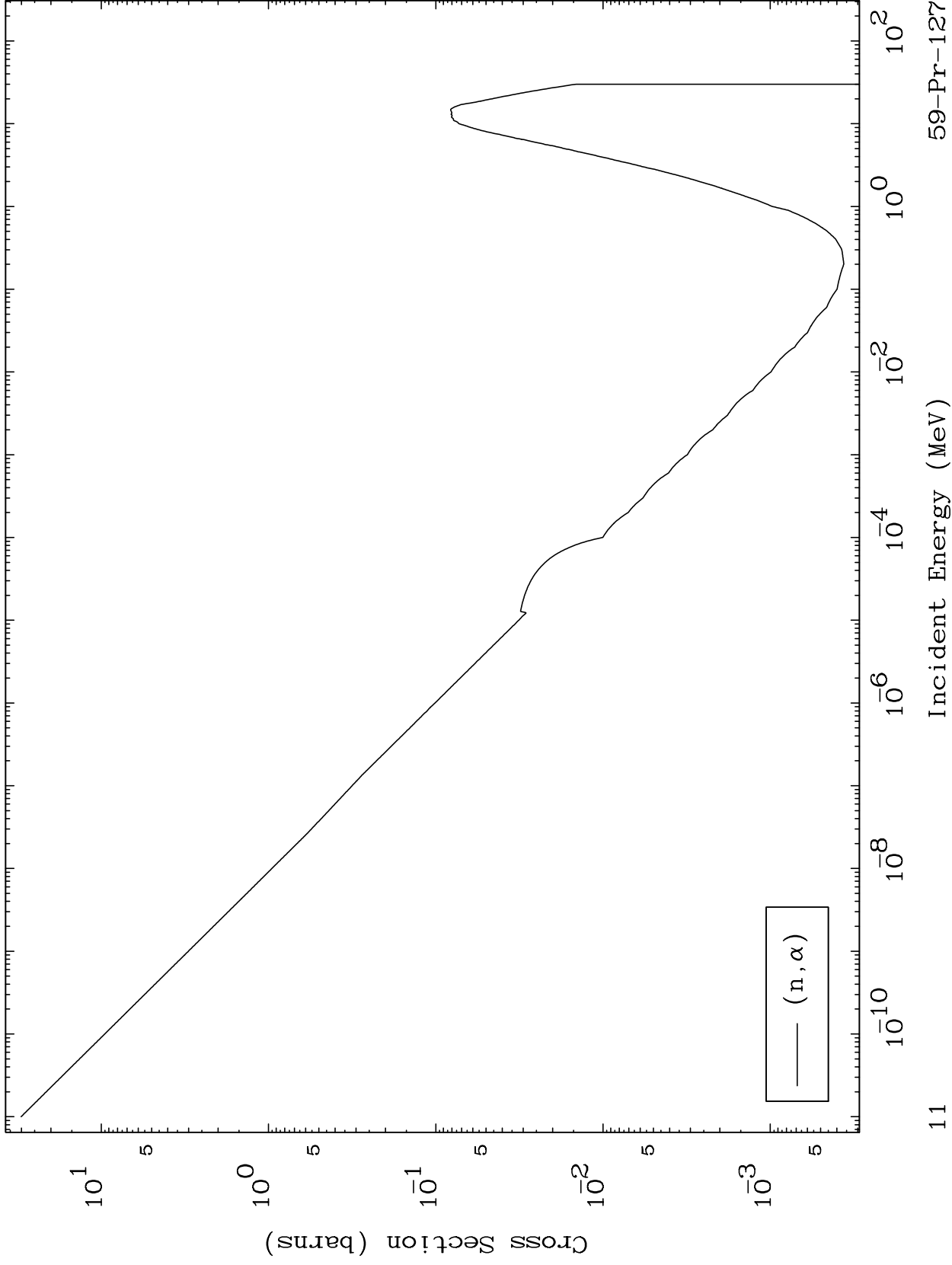
Incident Energy (MeV)

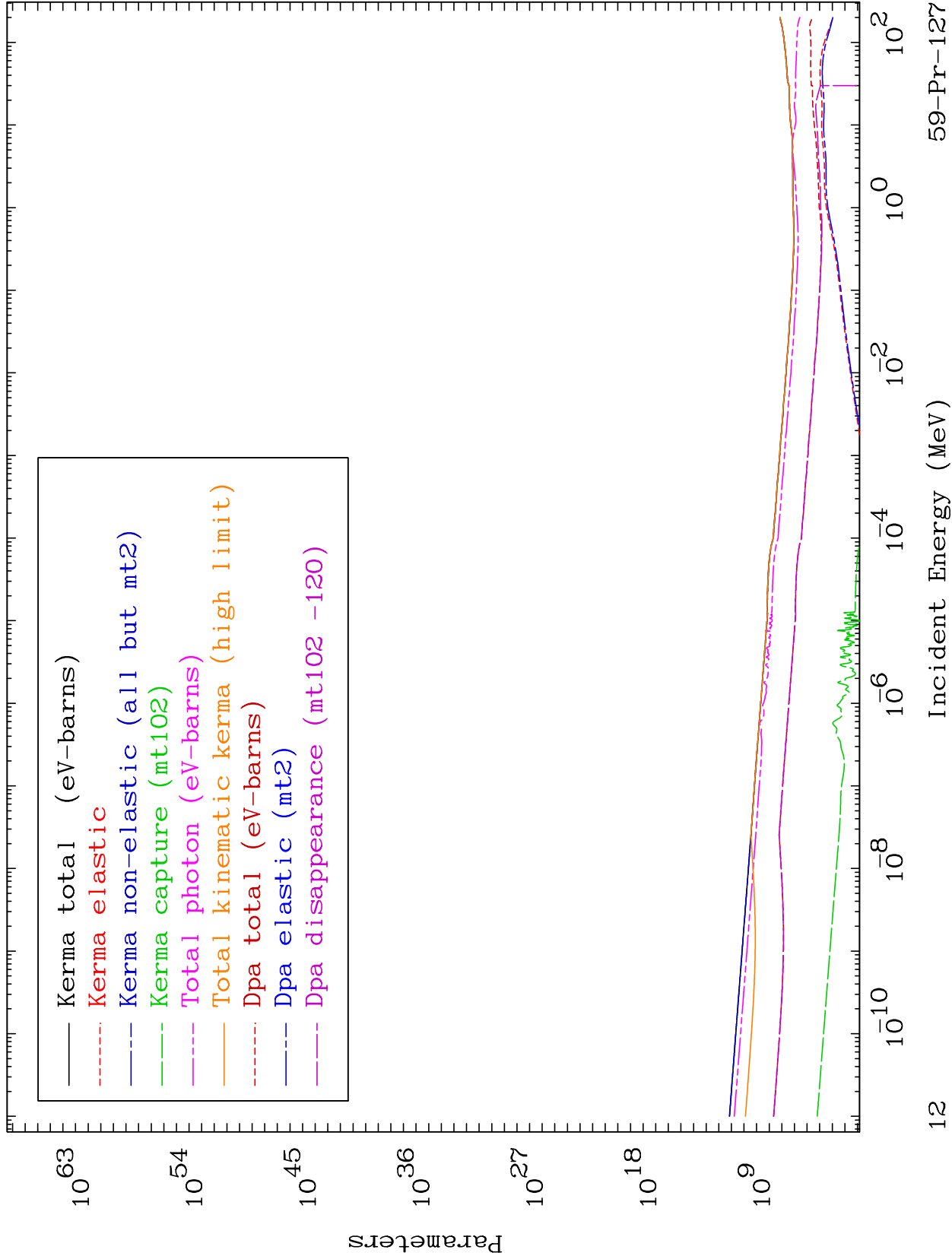
59-Pr-127

MAT 5883

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-127

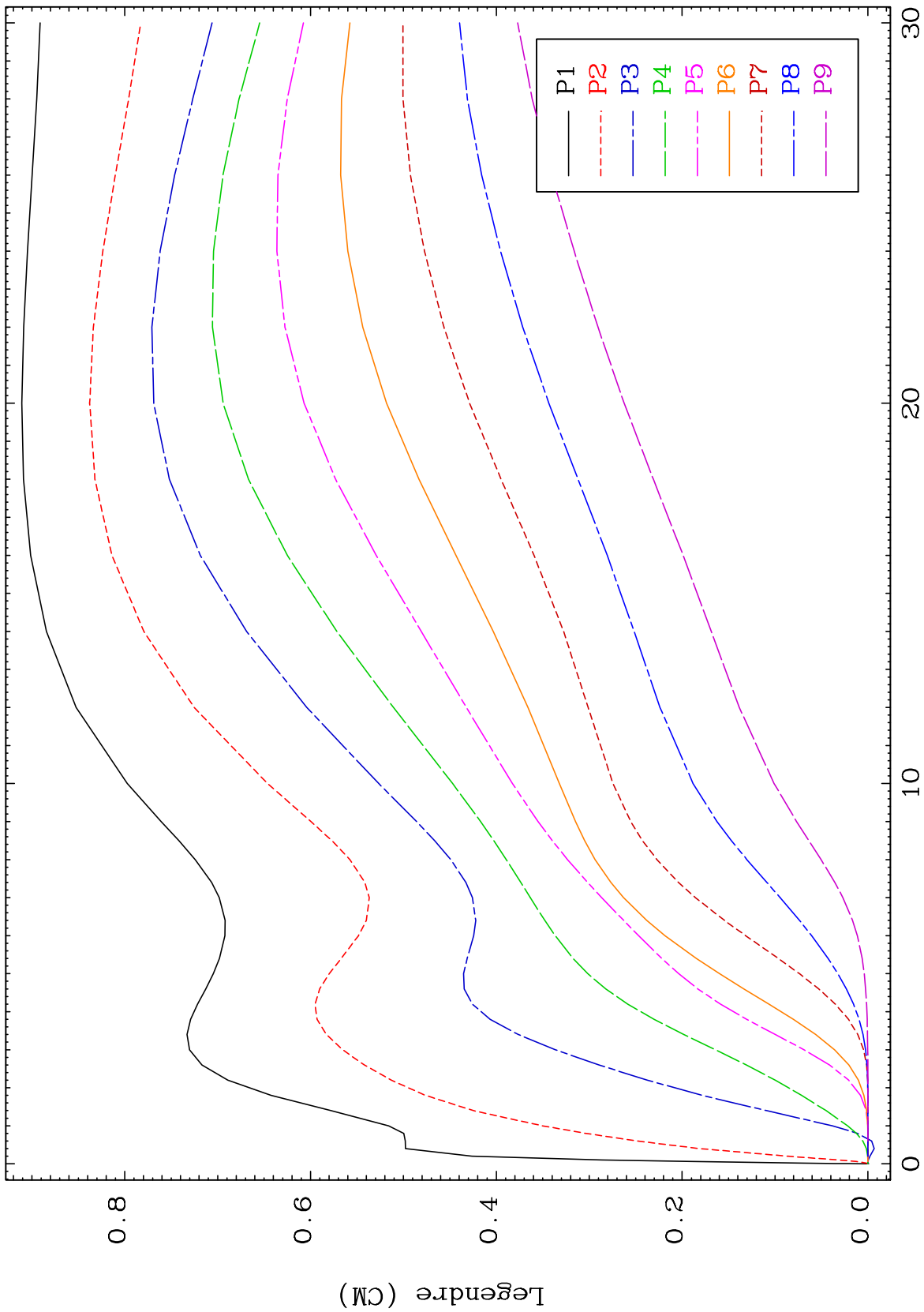




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Elastic Legendre Coefficients

59-Pr-127



13

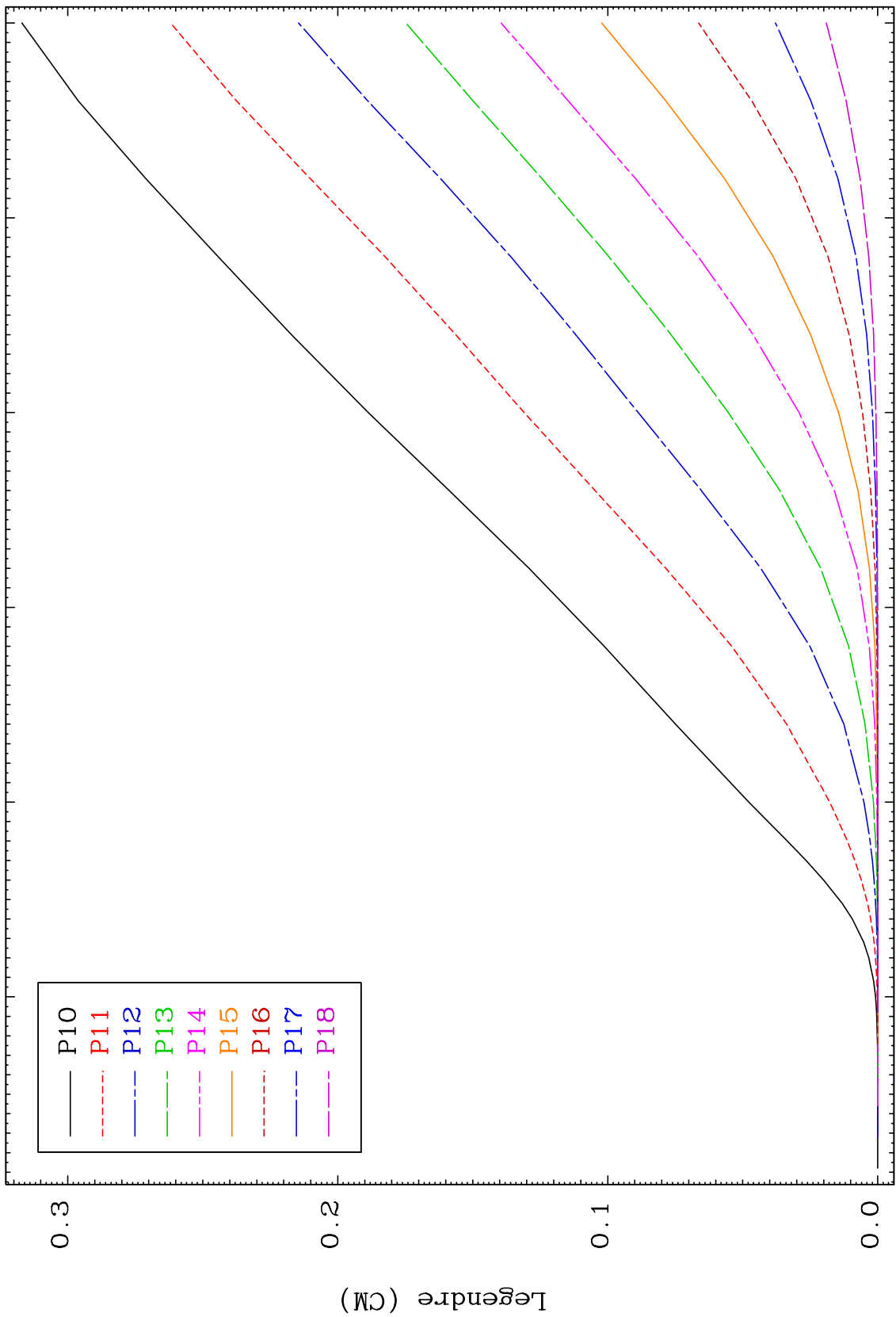
Incident Energy (MeV)

59-Pr-127

MAT 5883

Elastic Legendre Coefficients

59-Pr-127



14

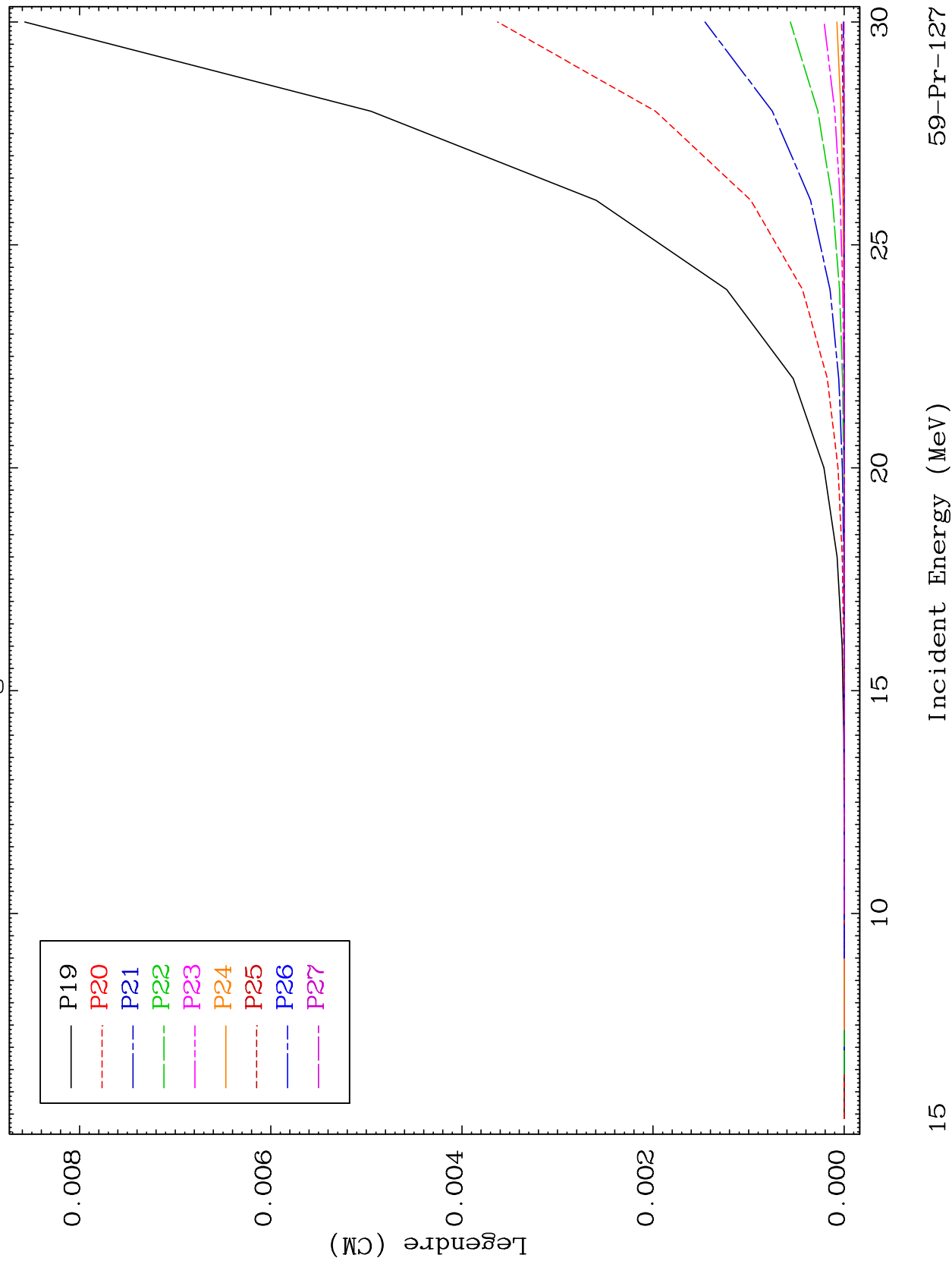
Incident Energy (MeV)

59-Pr-127

MAT 5883

Elastic Legendre Coefficients

59-Pr-127



59-Pr-127

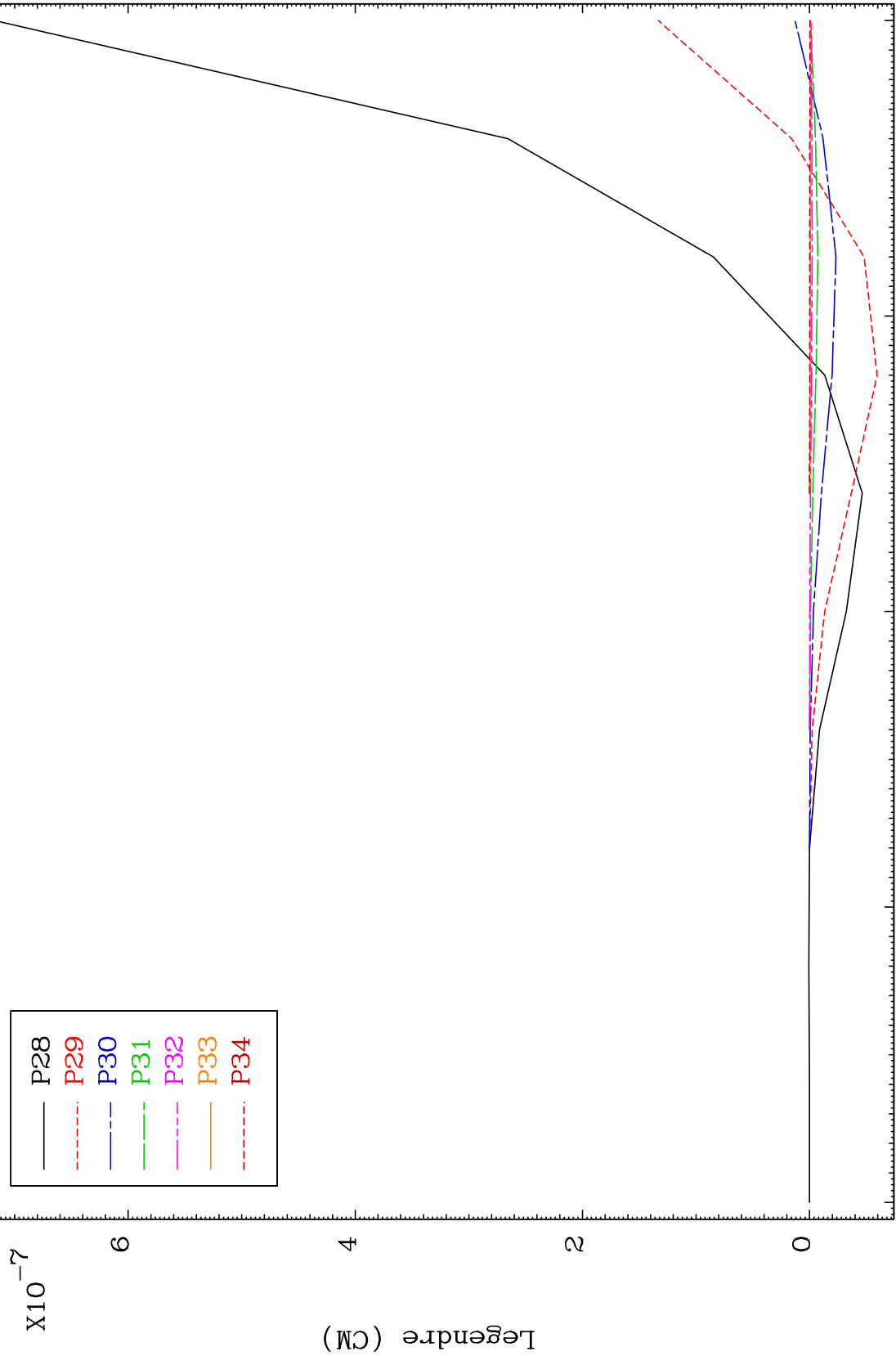
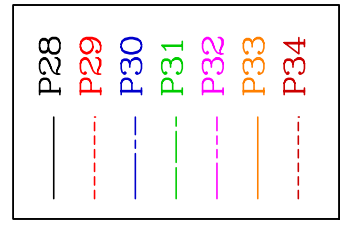
Incident Energy (MeV)

15

MAT 5883

Elastic Legendre Coefficients

59-Pr-127



59-Pr-127

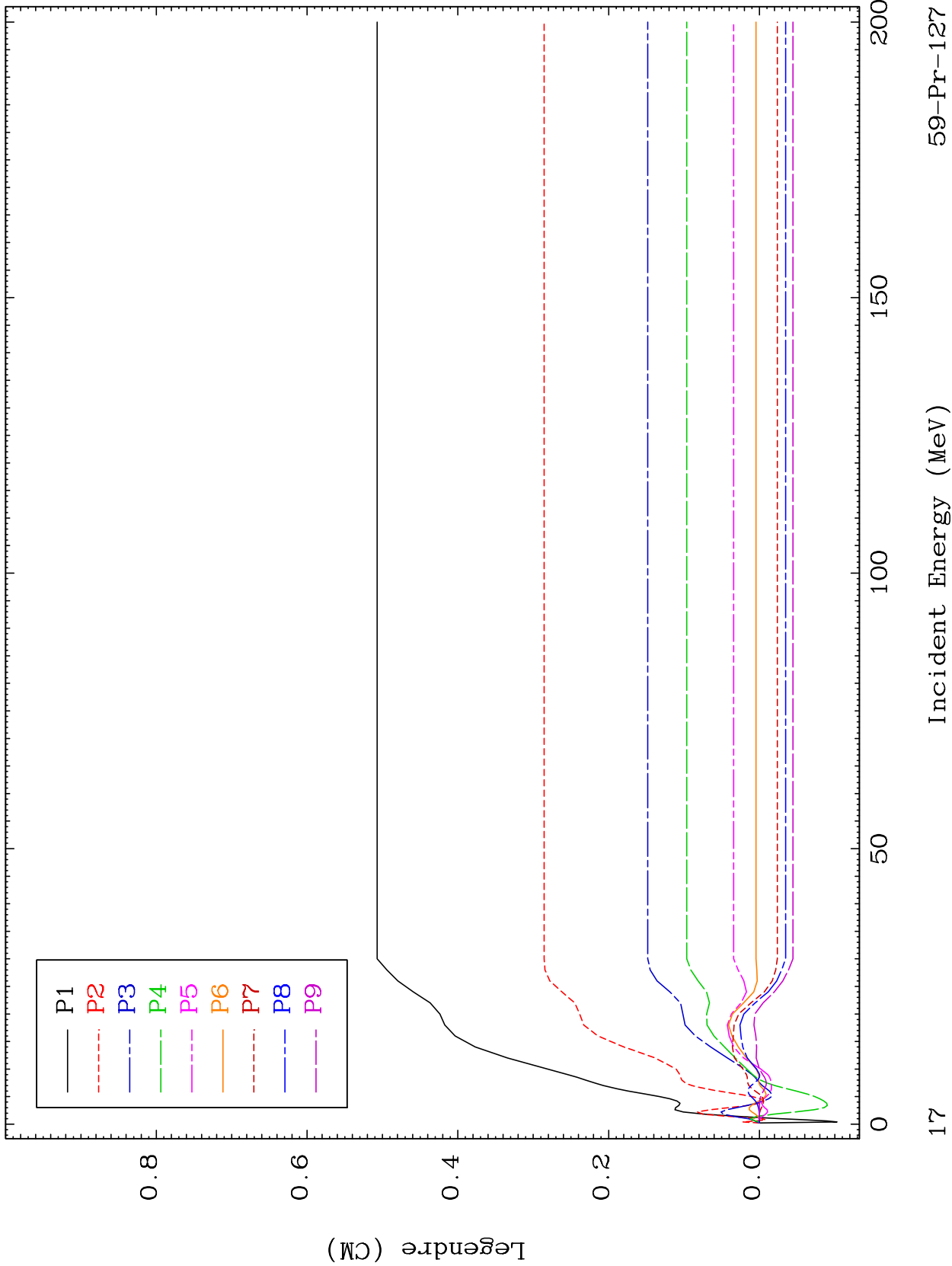
Incident Energy (MeV)

16

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

59-Pr-127



17

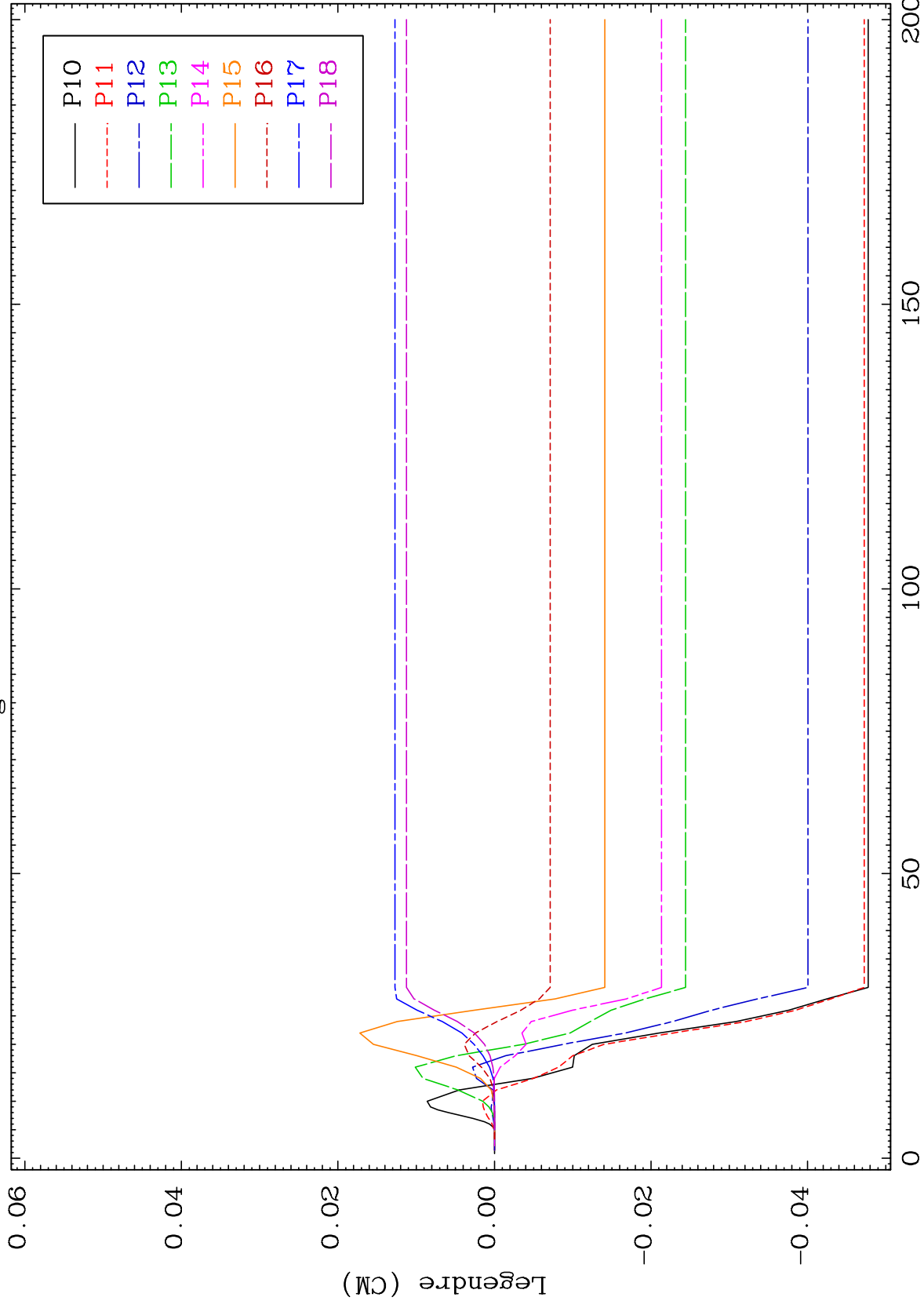
Incident Energy (MeV)

59-Pr-127

MAT 5883

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

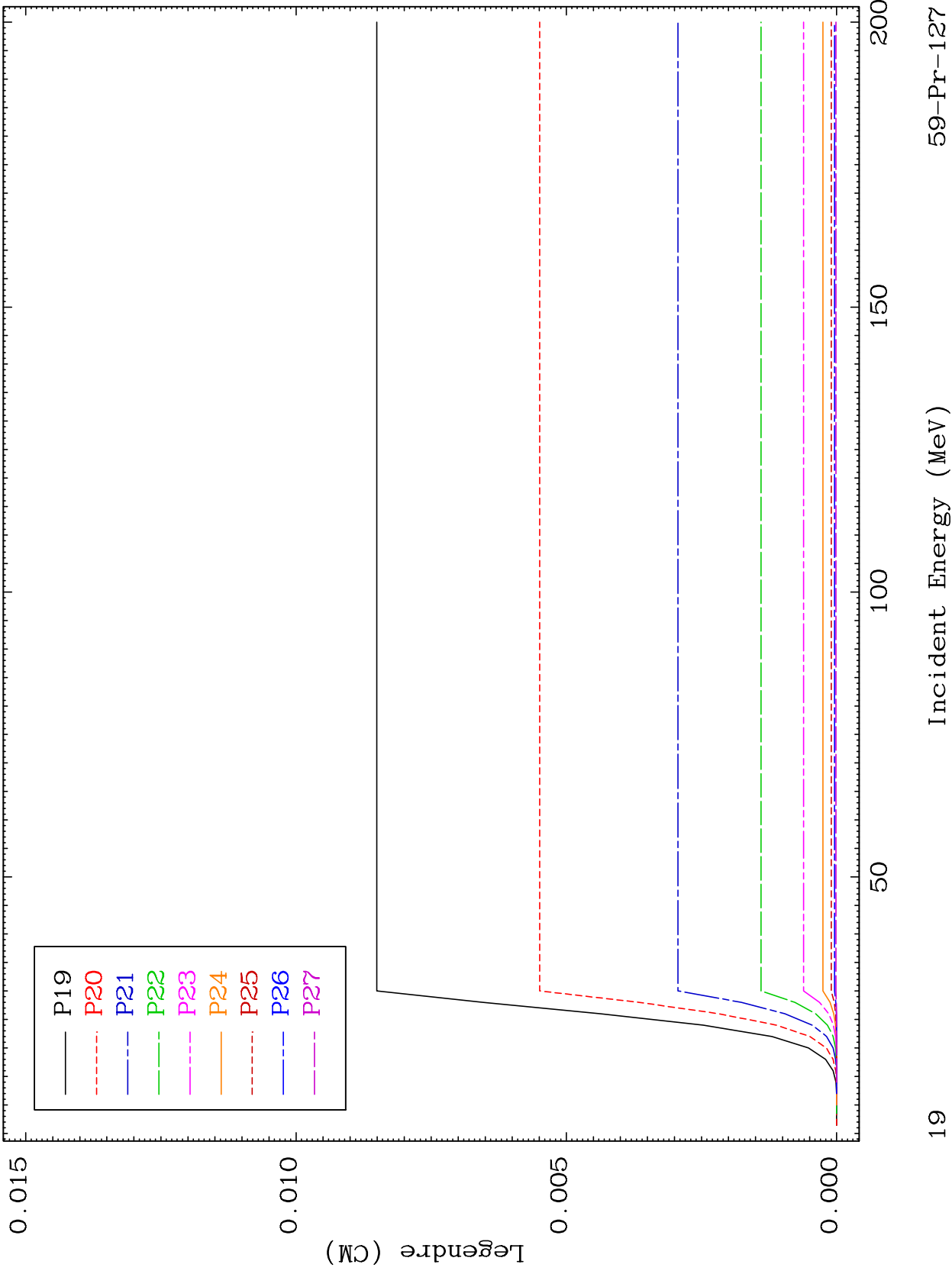
59-Pr-127



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Incident Energy (MeV)

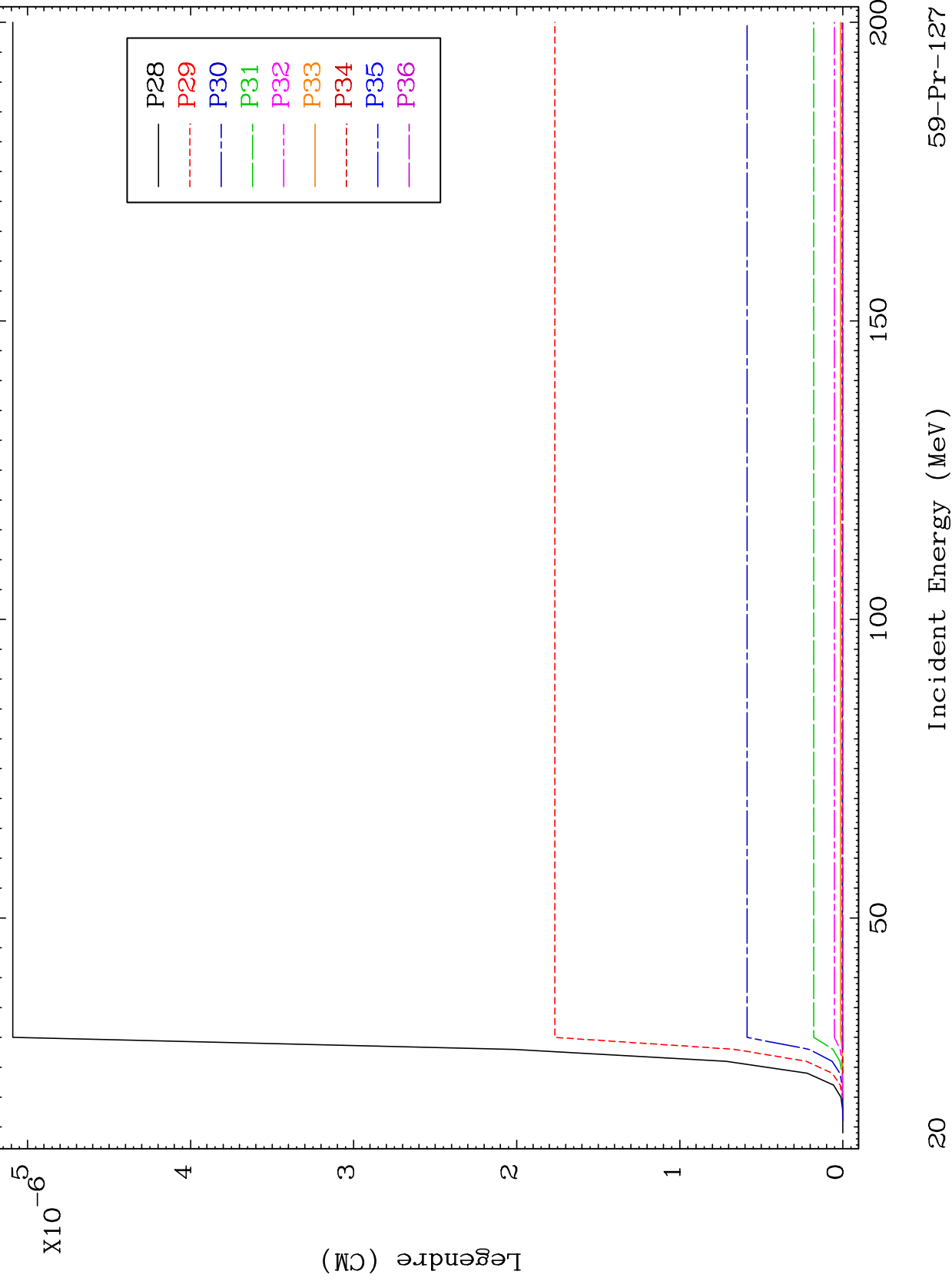
59-Pr-127



MAT 5883

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

59-Pr-127

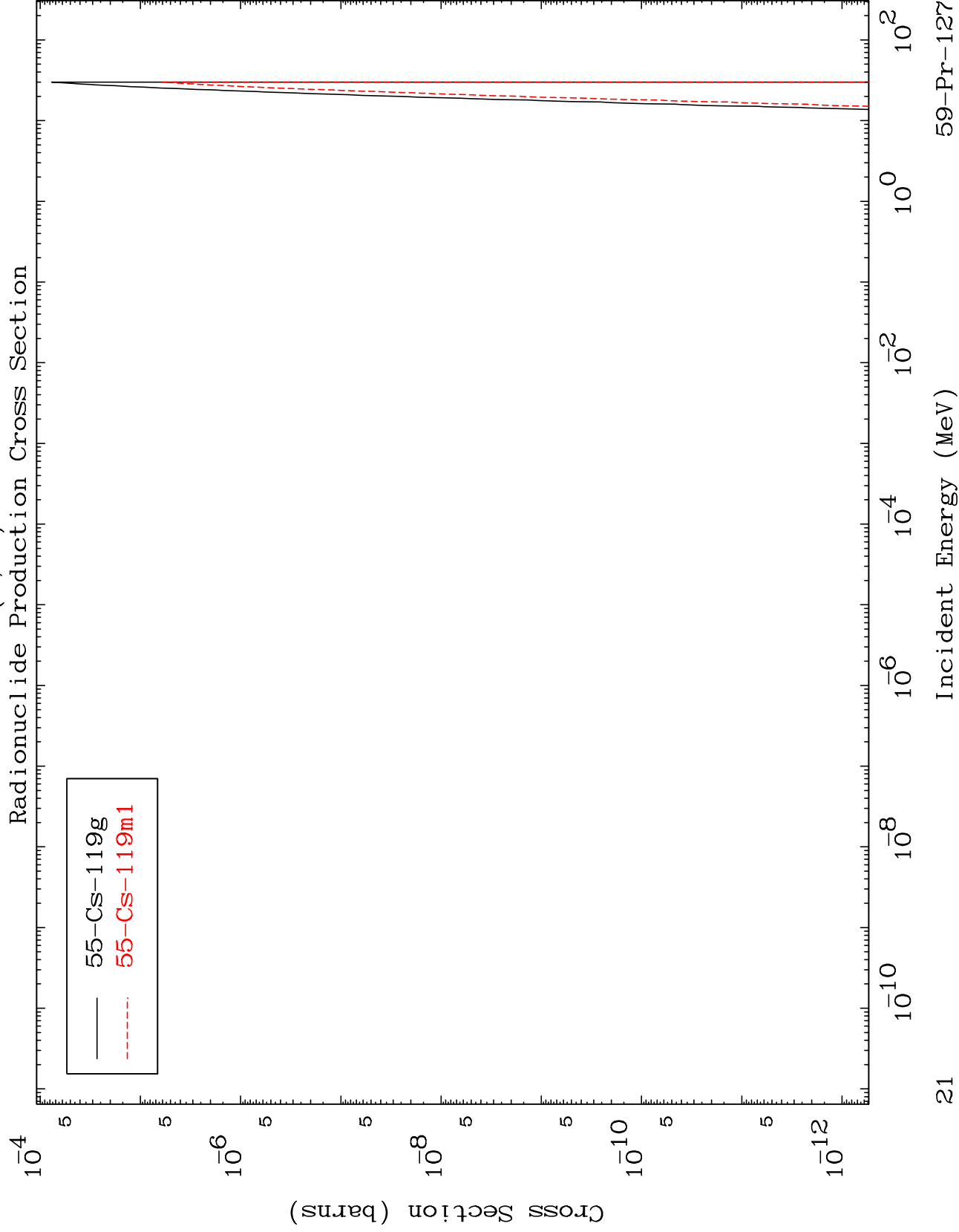


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(n,n') 2α

59-Pr-127

Radionuclide Production Cross Section

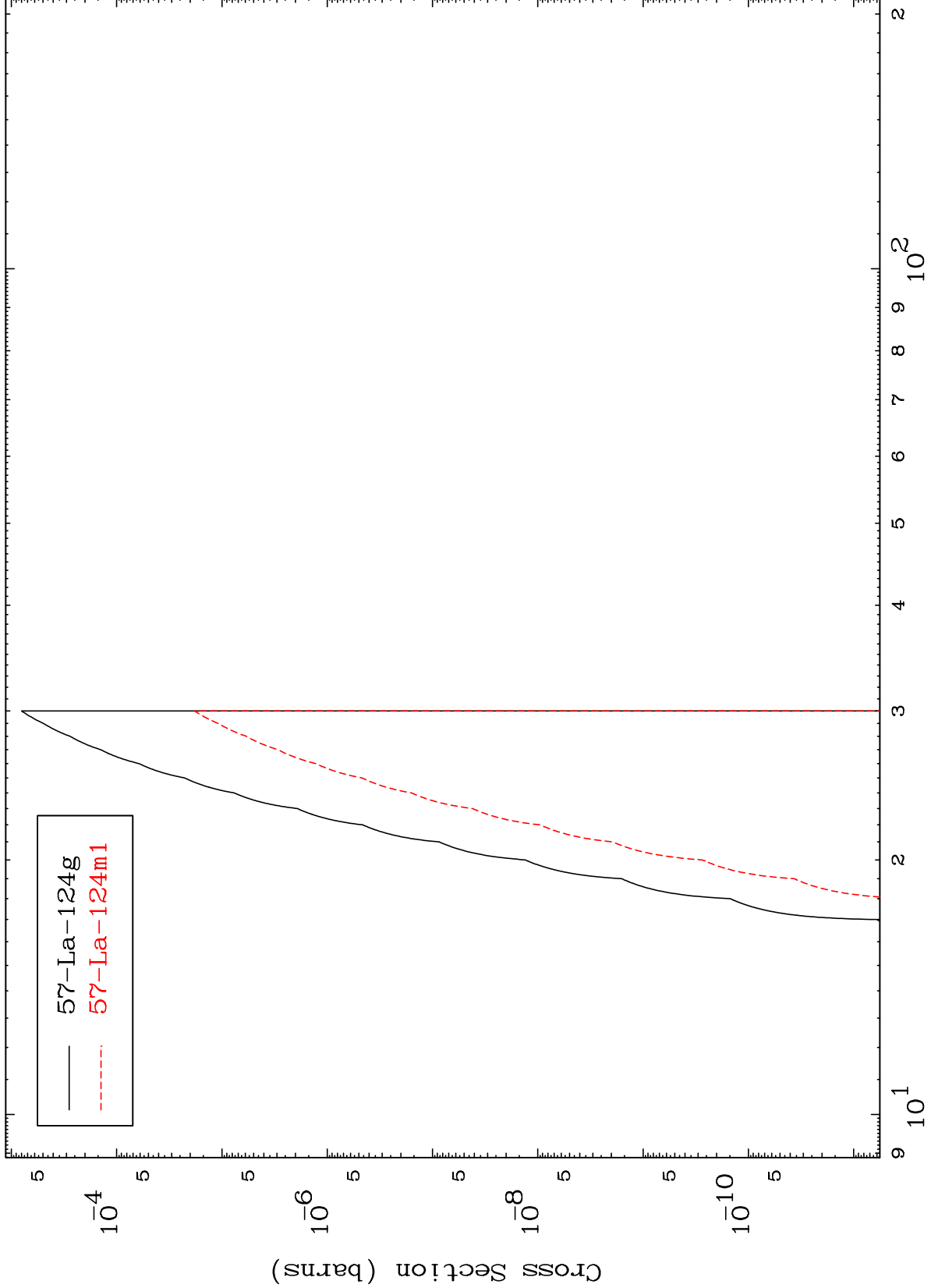


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(n,n') He-3

59-Pr-127

Radionuclide Production Cross Section



22

Incident Energy (MeV)

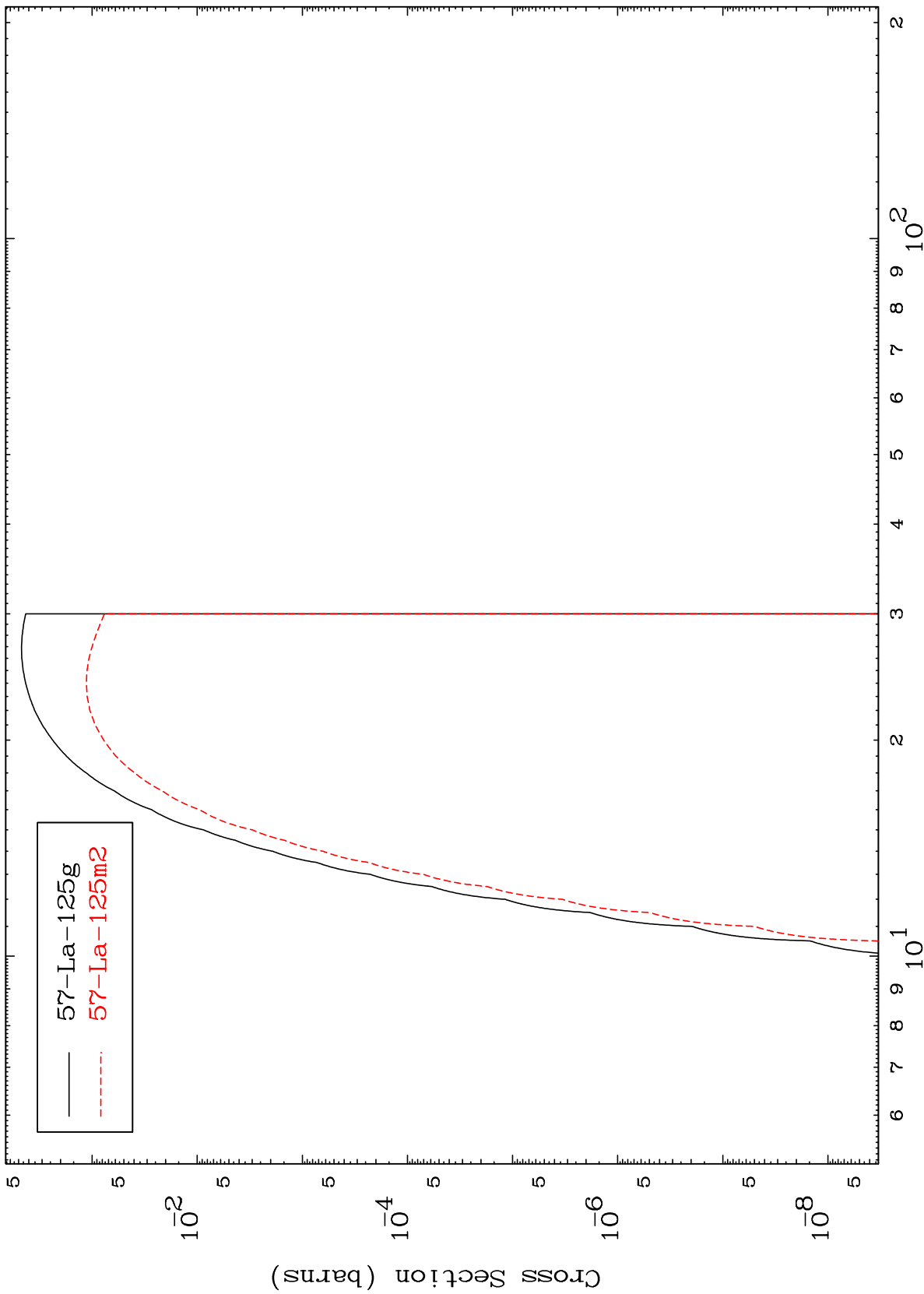
59-Pr-127

MAT 5883

(n,2n) p

59-Pr-127

Radionuclide Production Cross Section



Incident Energy (MeV)

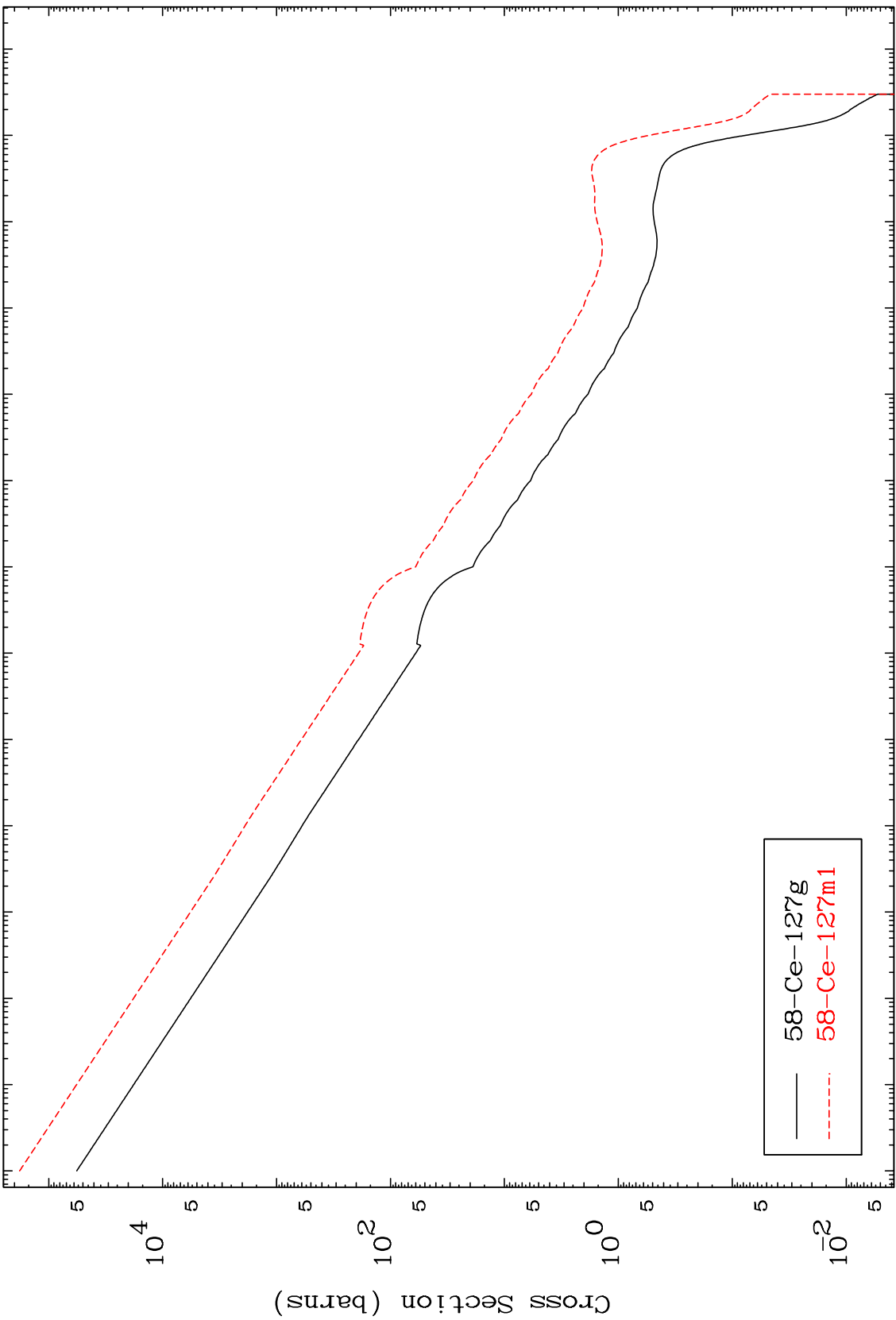
59-Pr-127

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MAT 5883

59-Pr-127

(n,p)
Radionuclide Production Cross Section



59-Pr-127

10⁴

10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

Incident Energy (MeV)

59-Pr-127

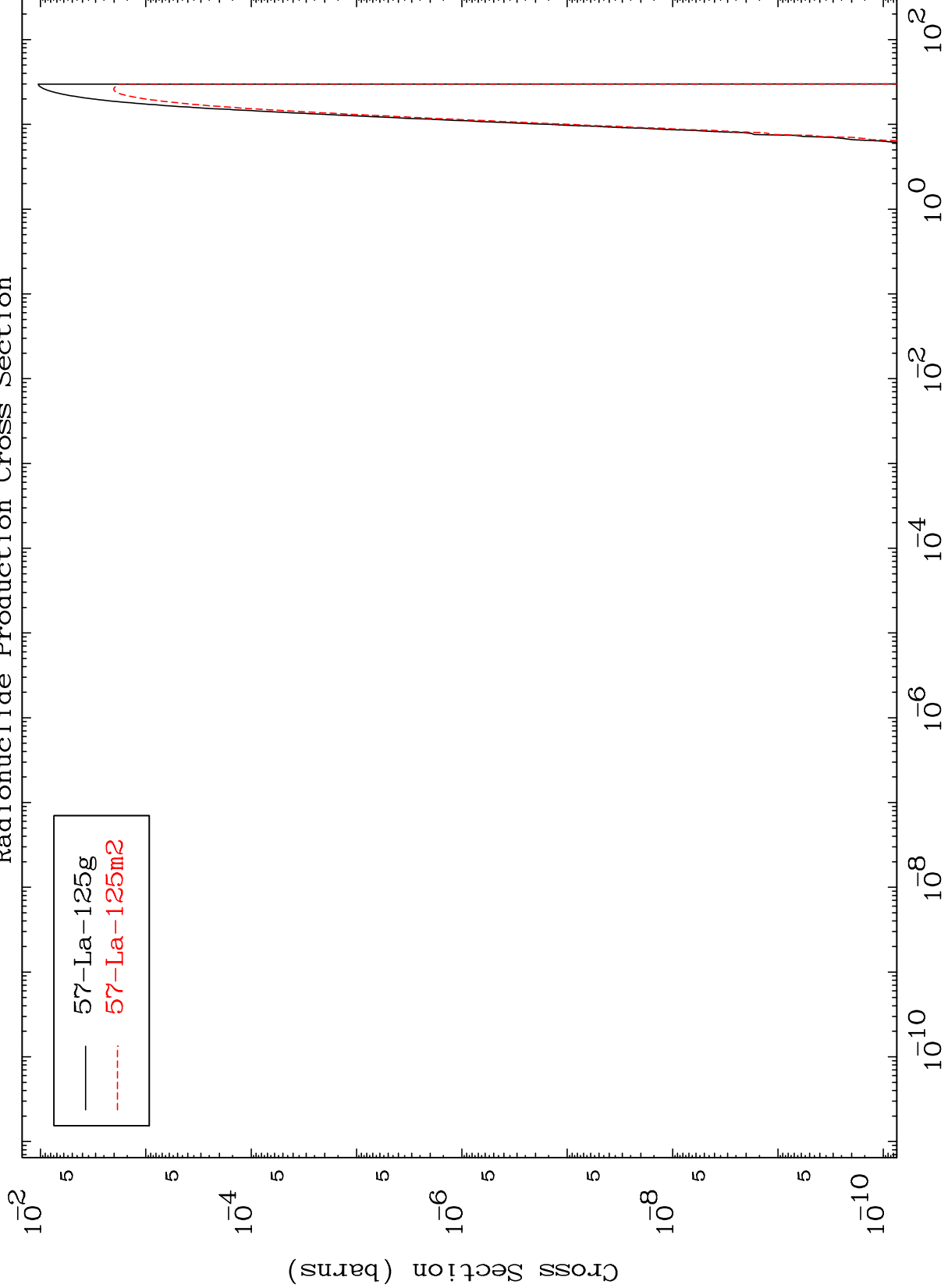
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(n,He-3)

59-Pr-127

Radionuclide Production Cross Section

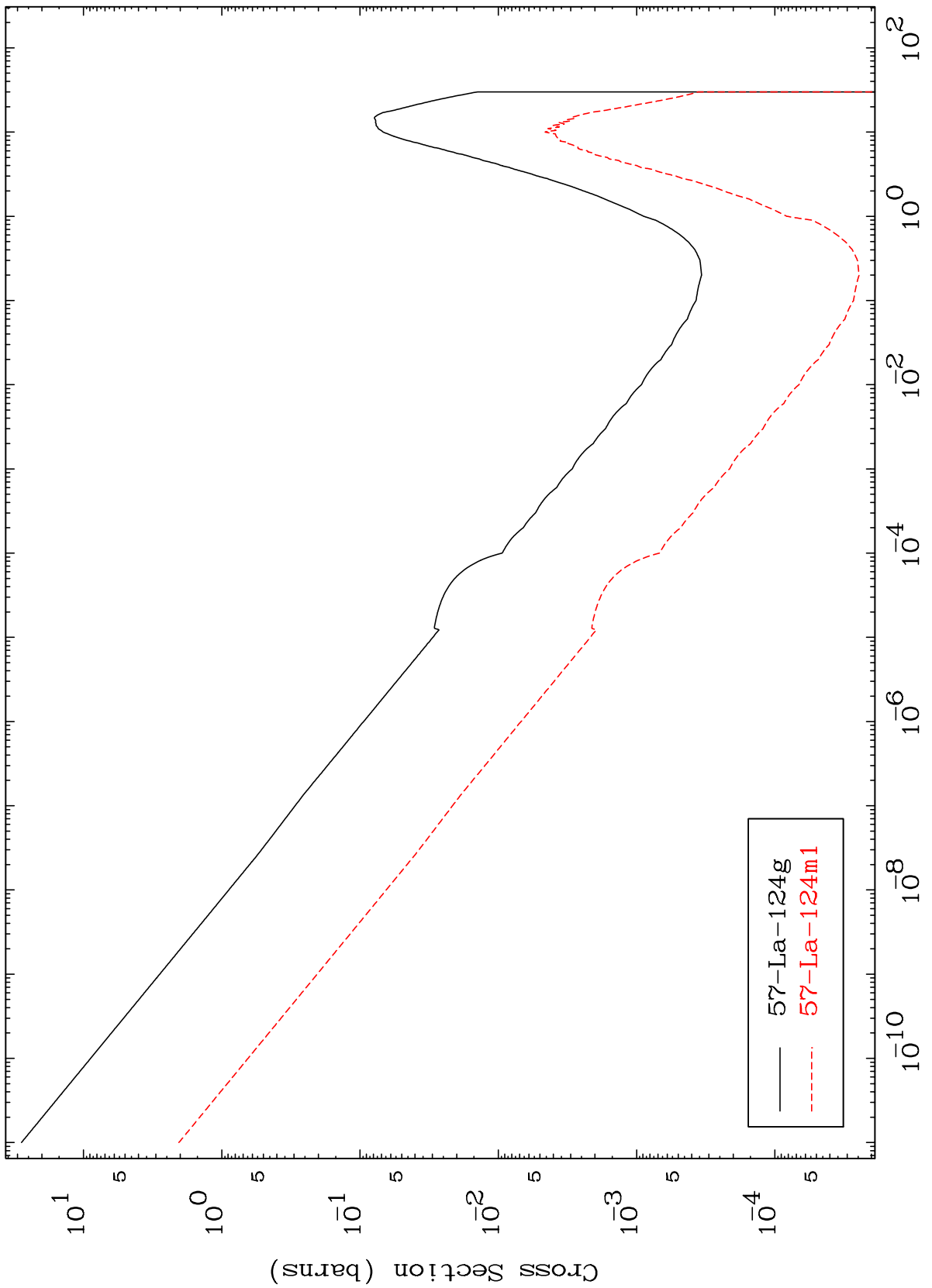


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(n, α)

59-Pr-127

Radionuclide Production Cross Section



26

Incident Energy (MeV)

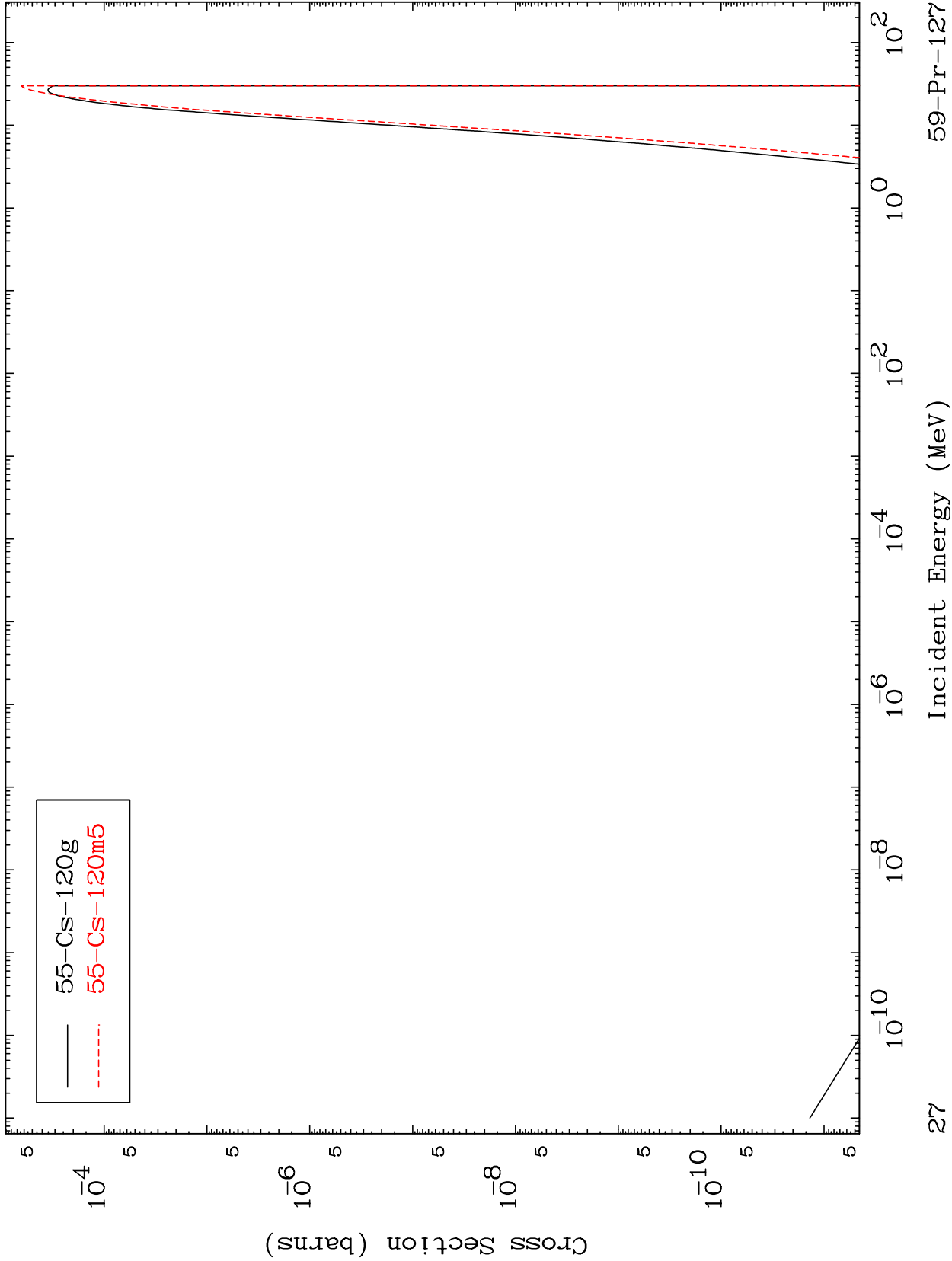
59-Pr-127

MAT 5883

(n,2 α)

59-Pr-127

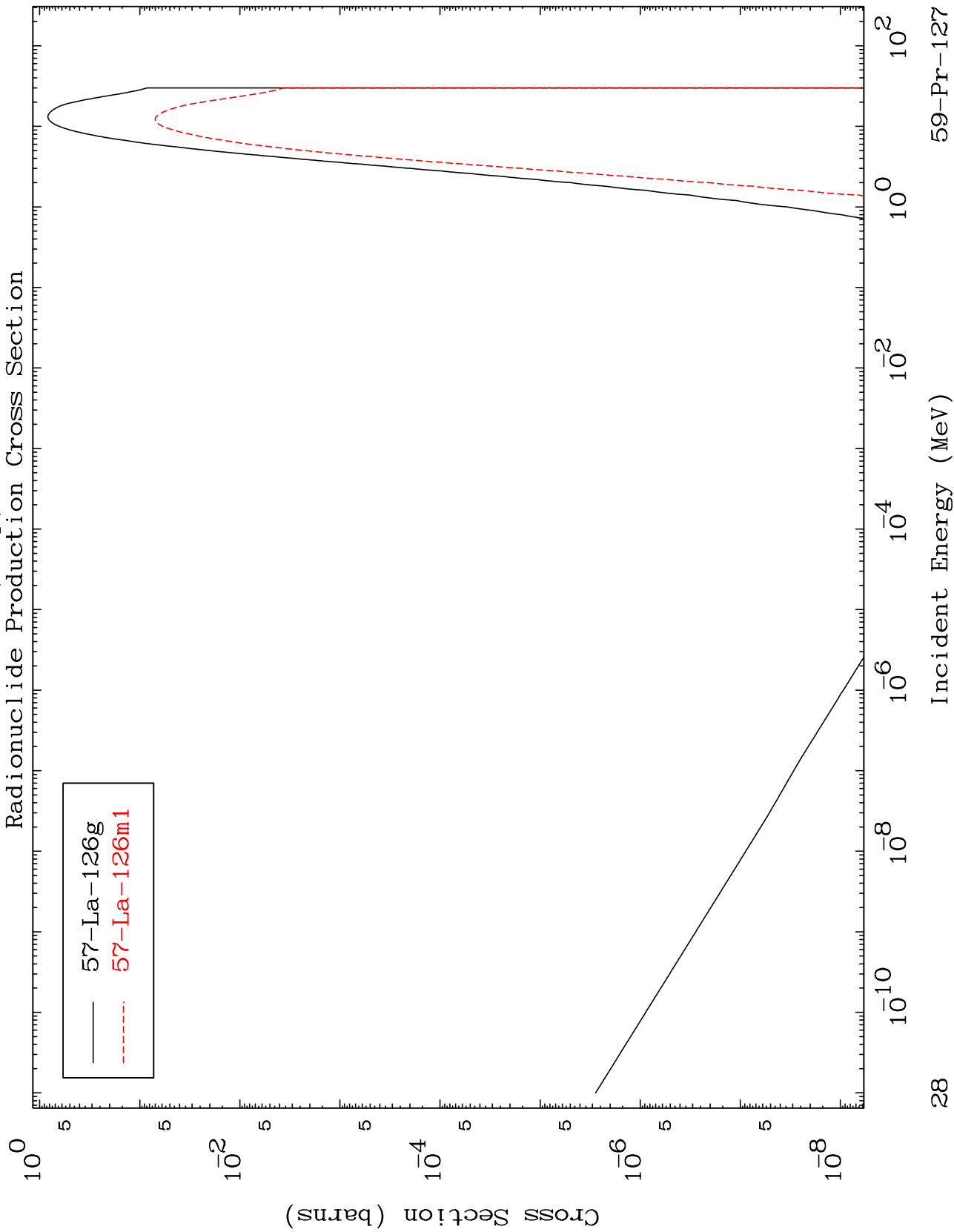
Radionuclide Production Cross Section



MAT 5883

59-Pr-127

(n,2p)
Radionuclide Production Cross Section

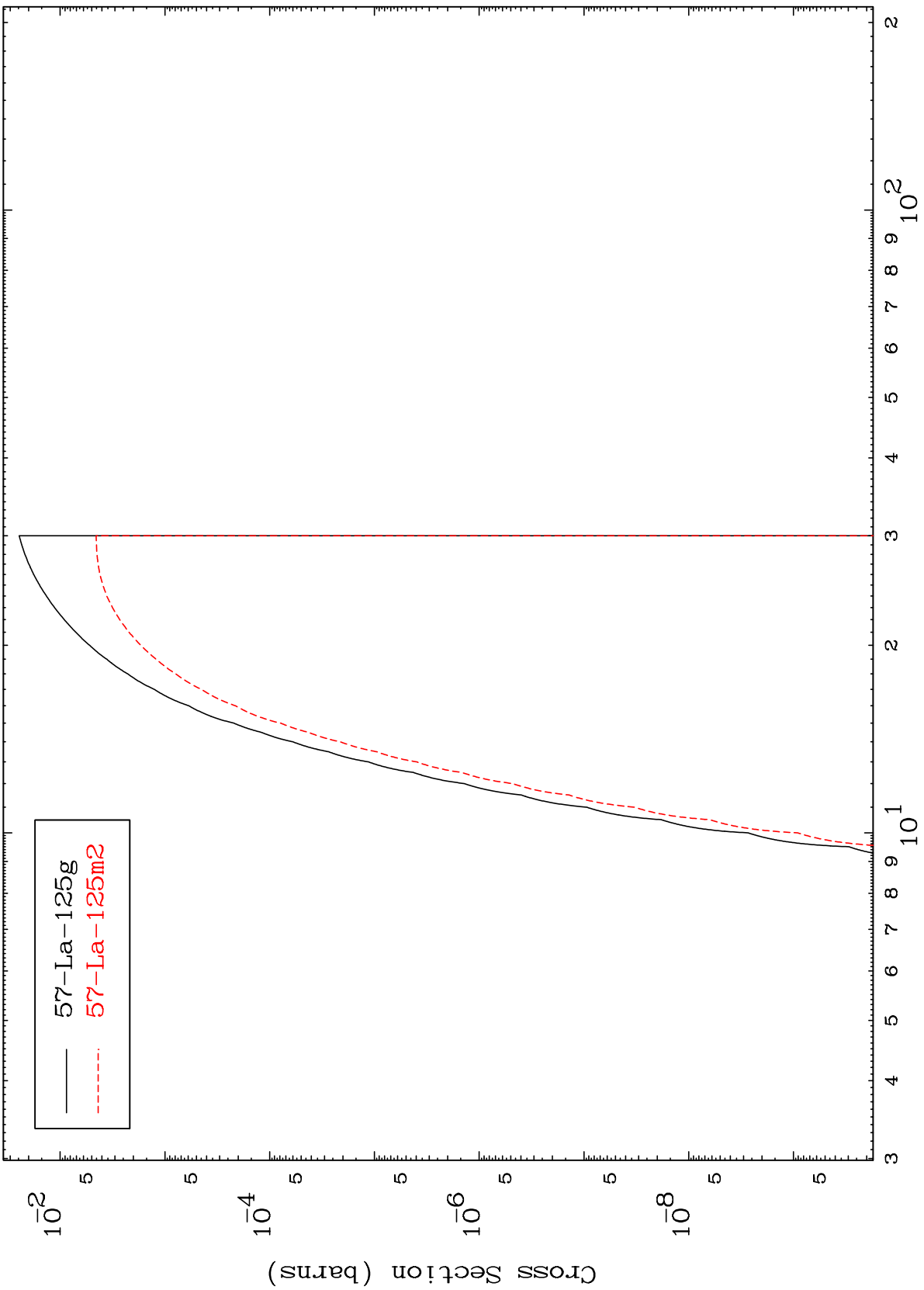


MAT 5883

(n,p) d

59-Pr-127

Radionuclide Production Cross Section



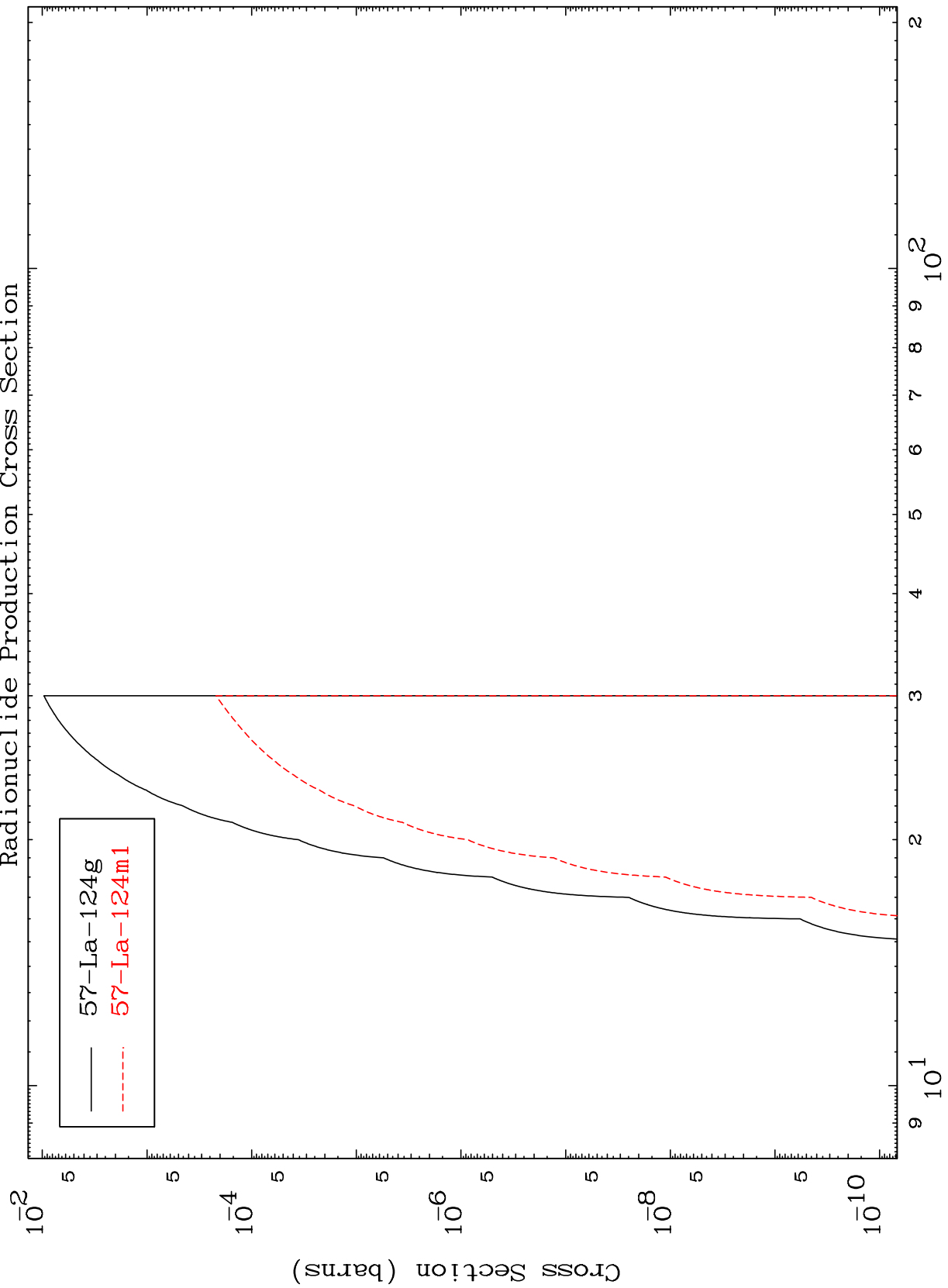
— 57-La-125g
- - - 57-La-125m2

MAT 5883

(n,p) t

59-Pr-127

Radionuclide Production Cross Section



57-La-124g
57-La-124m1

Incident Energy (MeV)

59-Pr-127

30