

Program EVALPLOT
(Version 2015-2)

by

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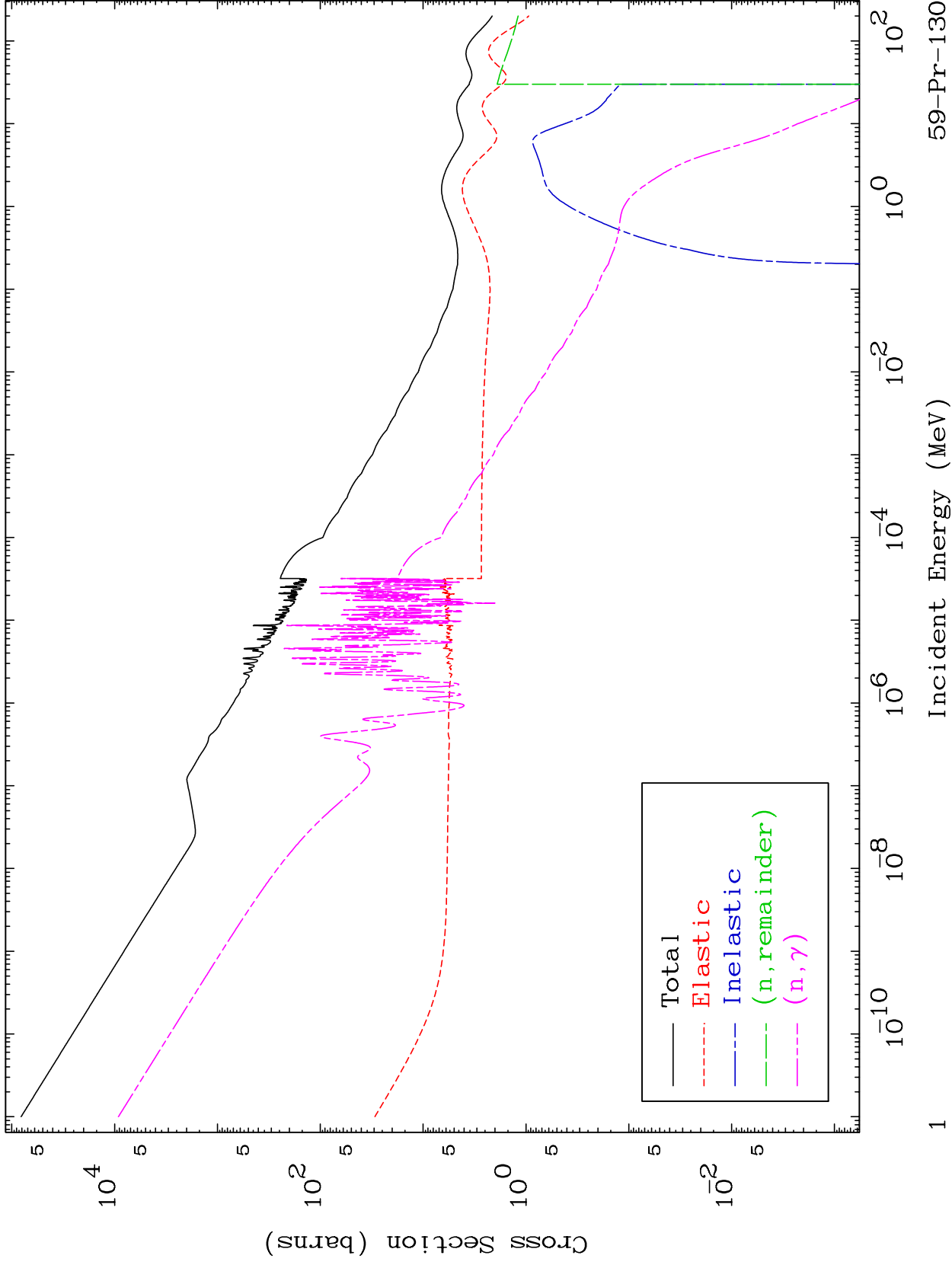
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5892

Major
293 Kelvin Cross Sections

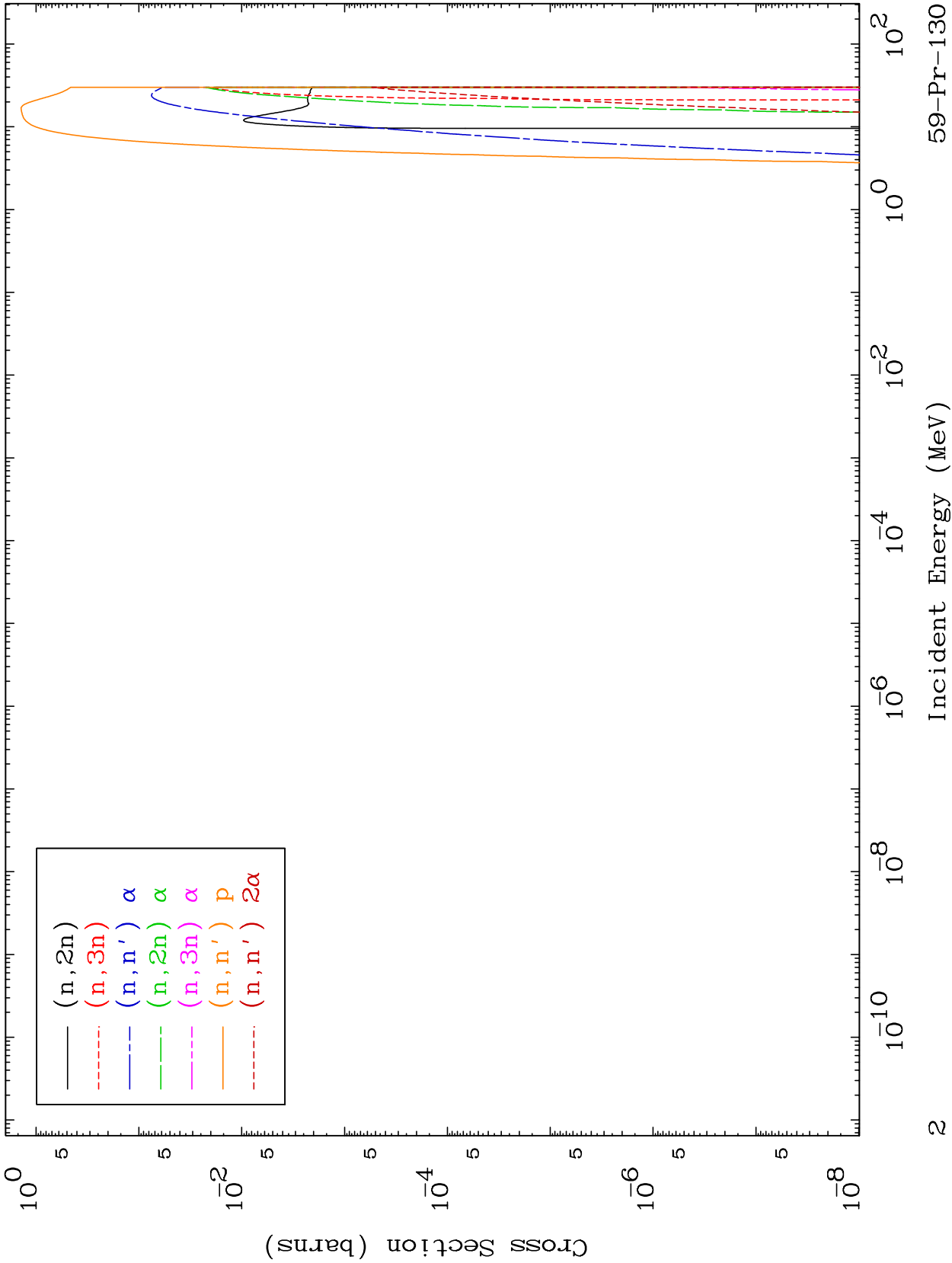
59-Pr-130

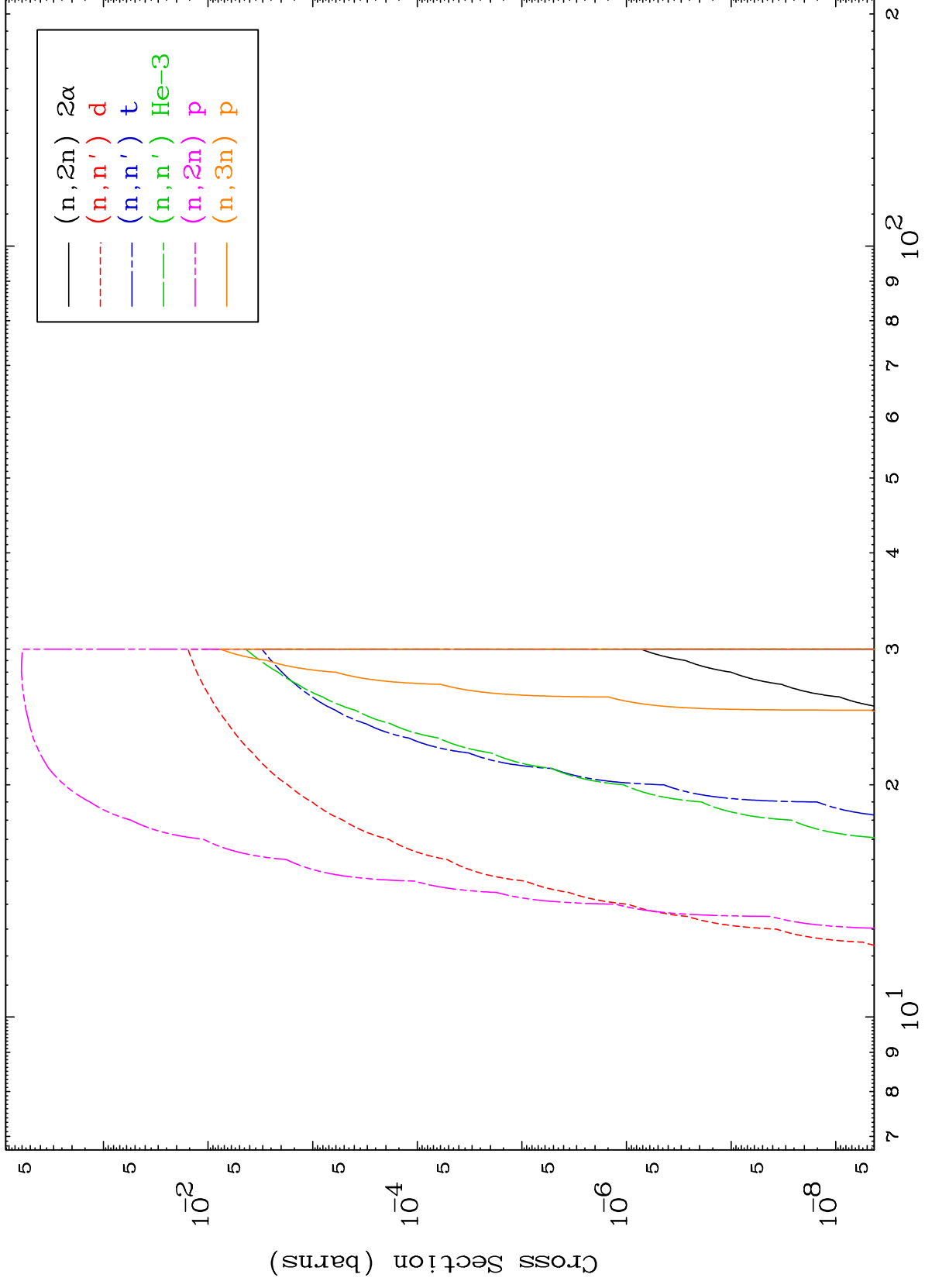


MAT 5892

Neutron Production
293 Kelvin Cross Sections

59-Pr-130

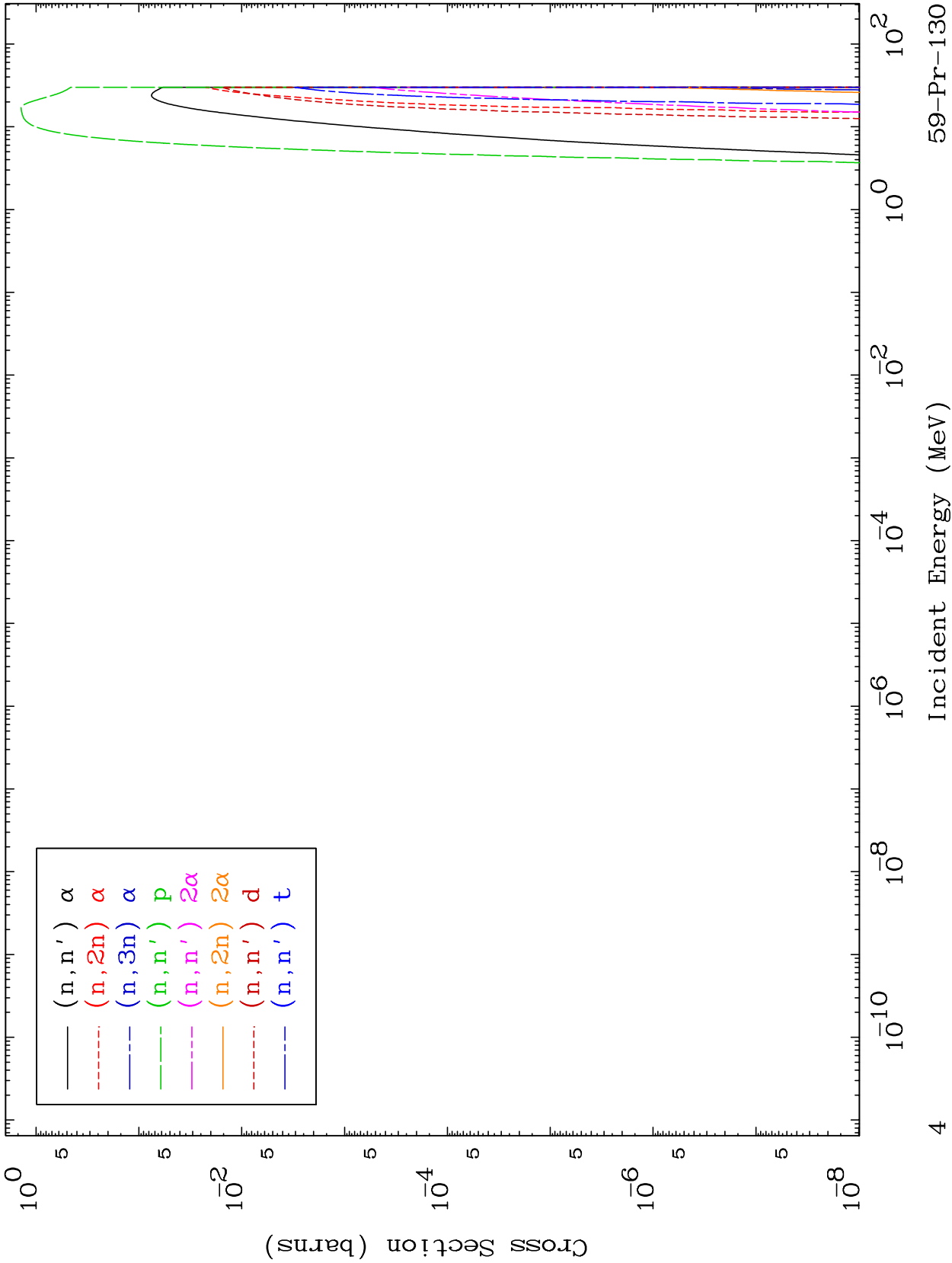


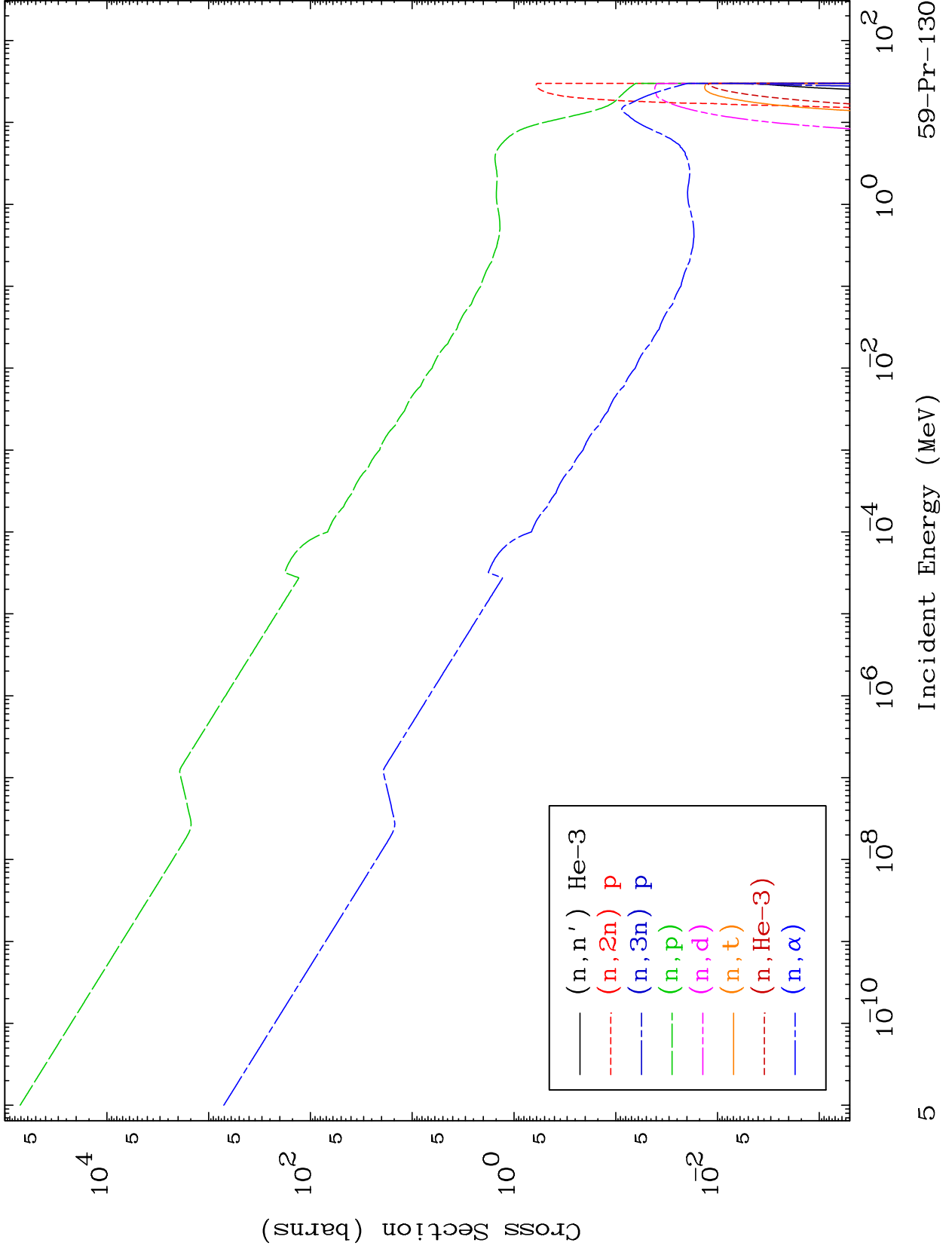


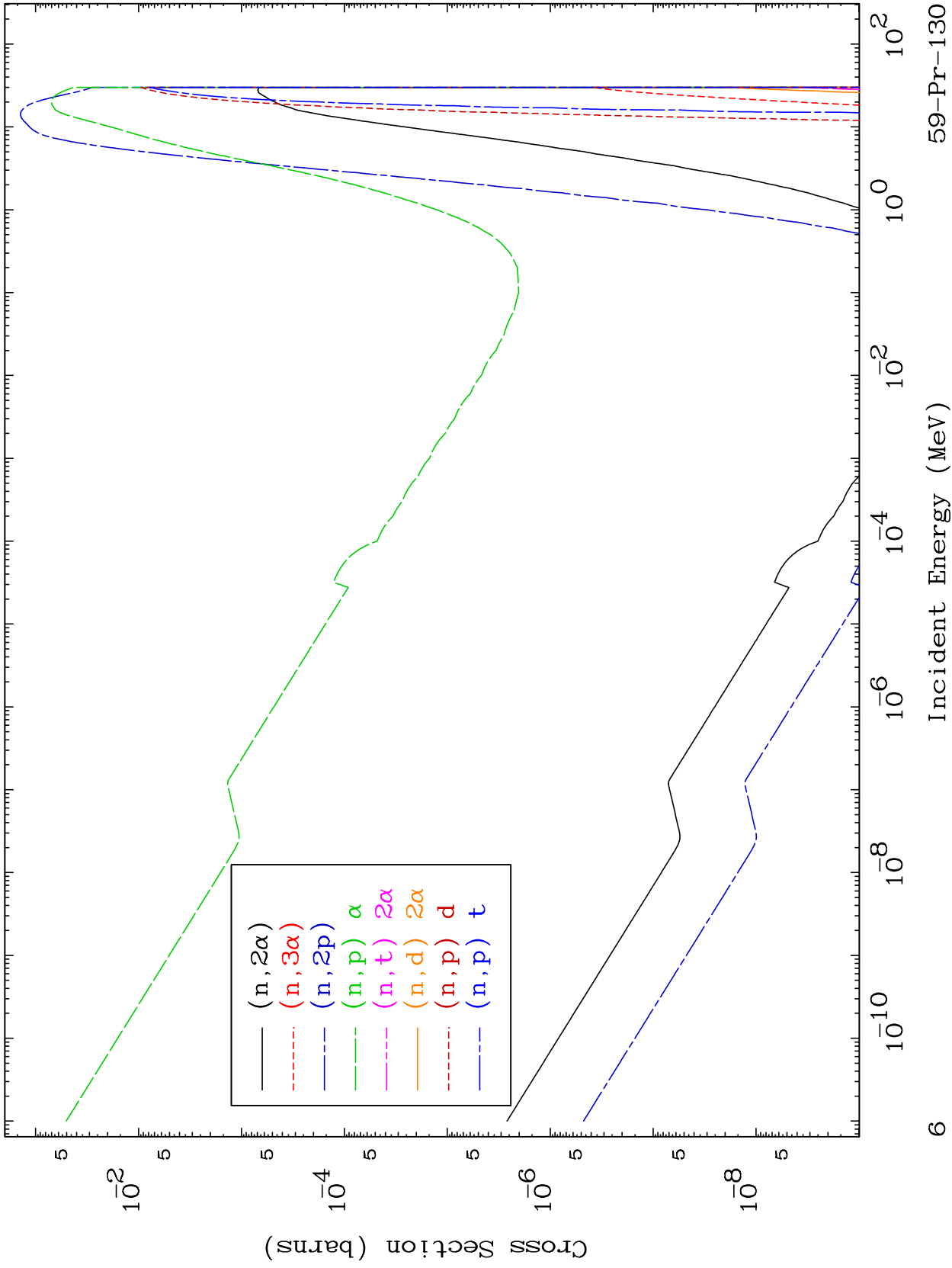
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Charged Particle
293 Kelvin Cross Sections

59-Pr-130



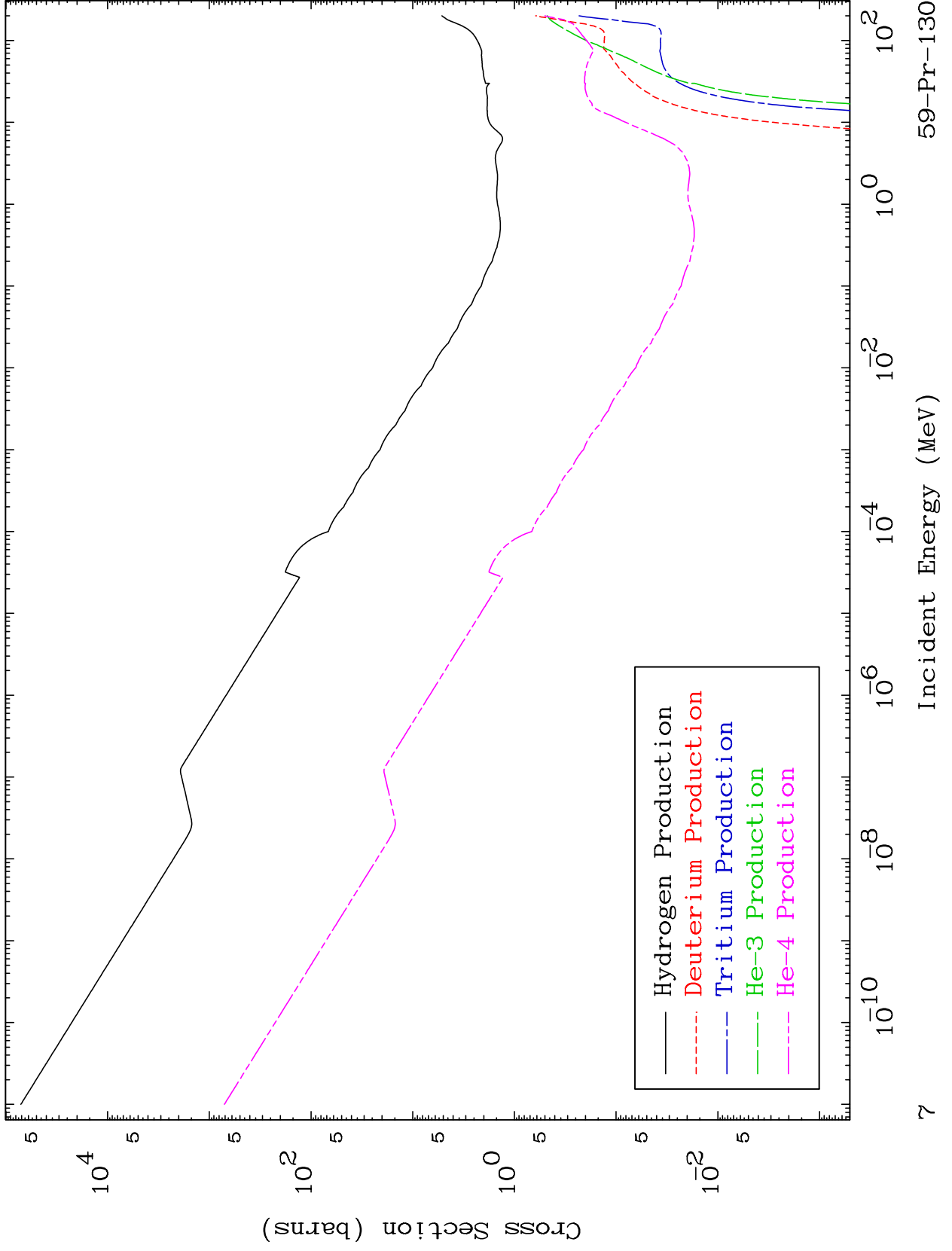




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Particle Production
293 Kelvin Cross Sections

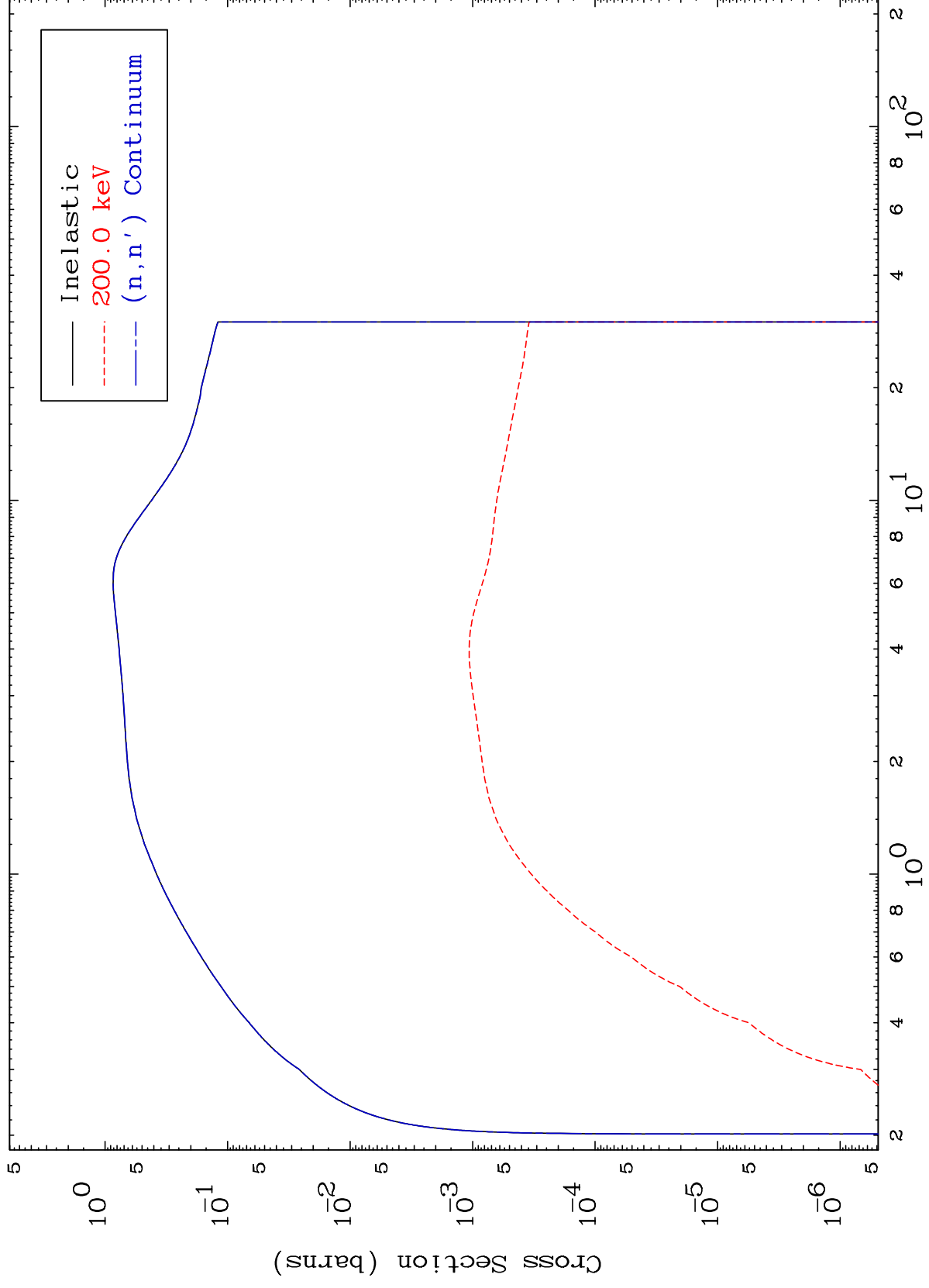
59-Pr-130



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(n,n') Level
293 Kelvin Cross Sections

59-Pr-130



Inelastic
200.0 keV
(n,n') Continuum

8

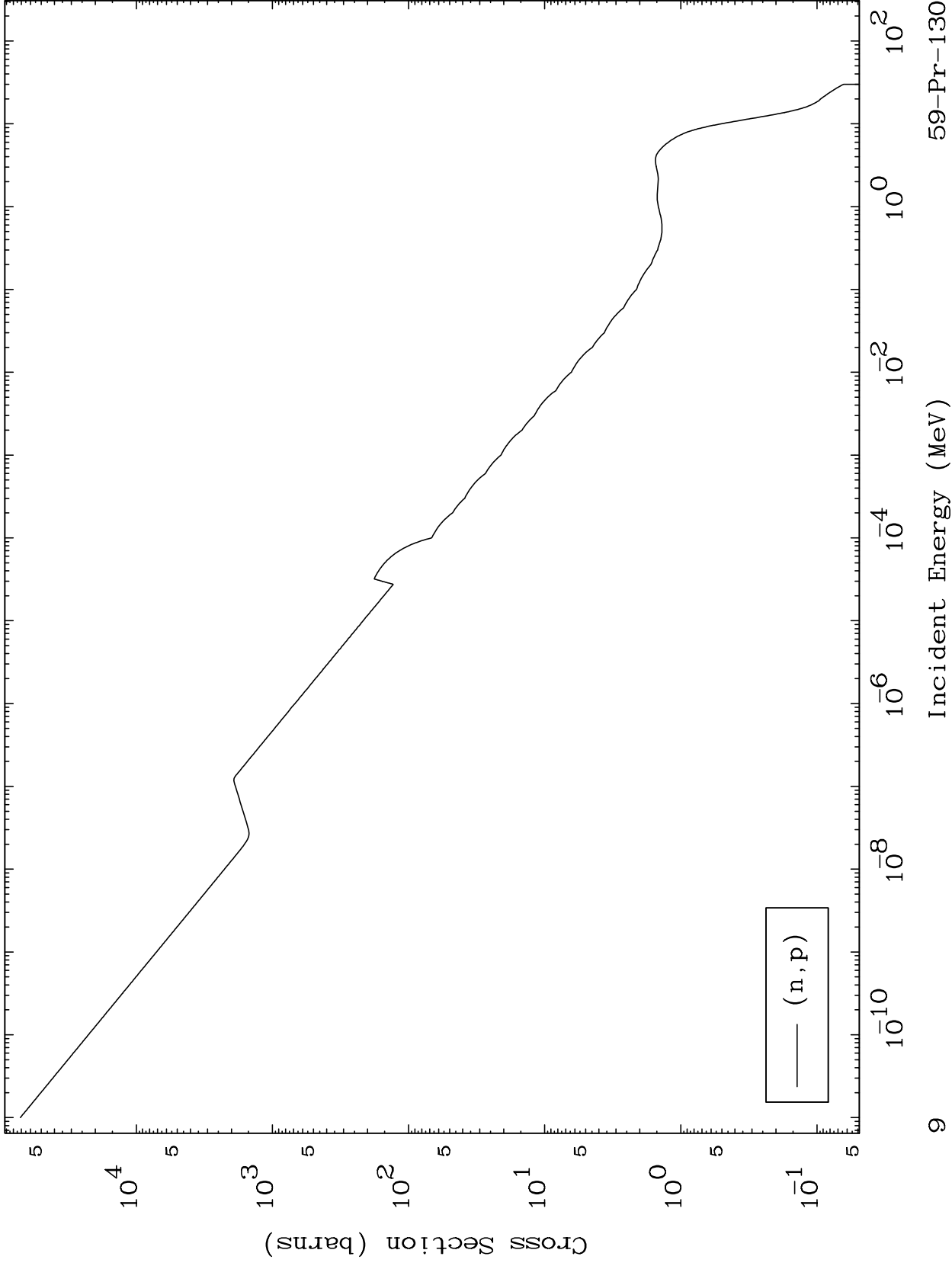
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,p) Levels
293 Kelvin Cross Sections

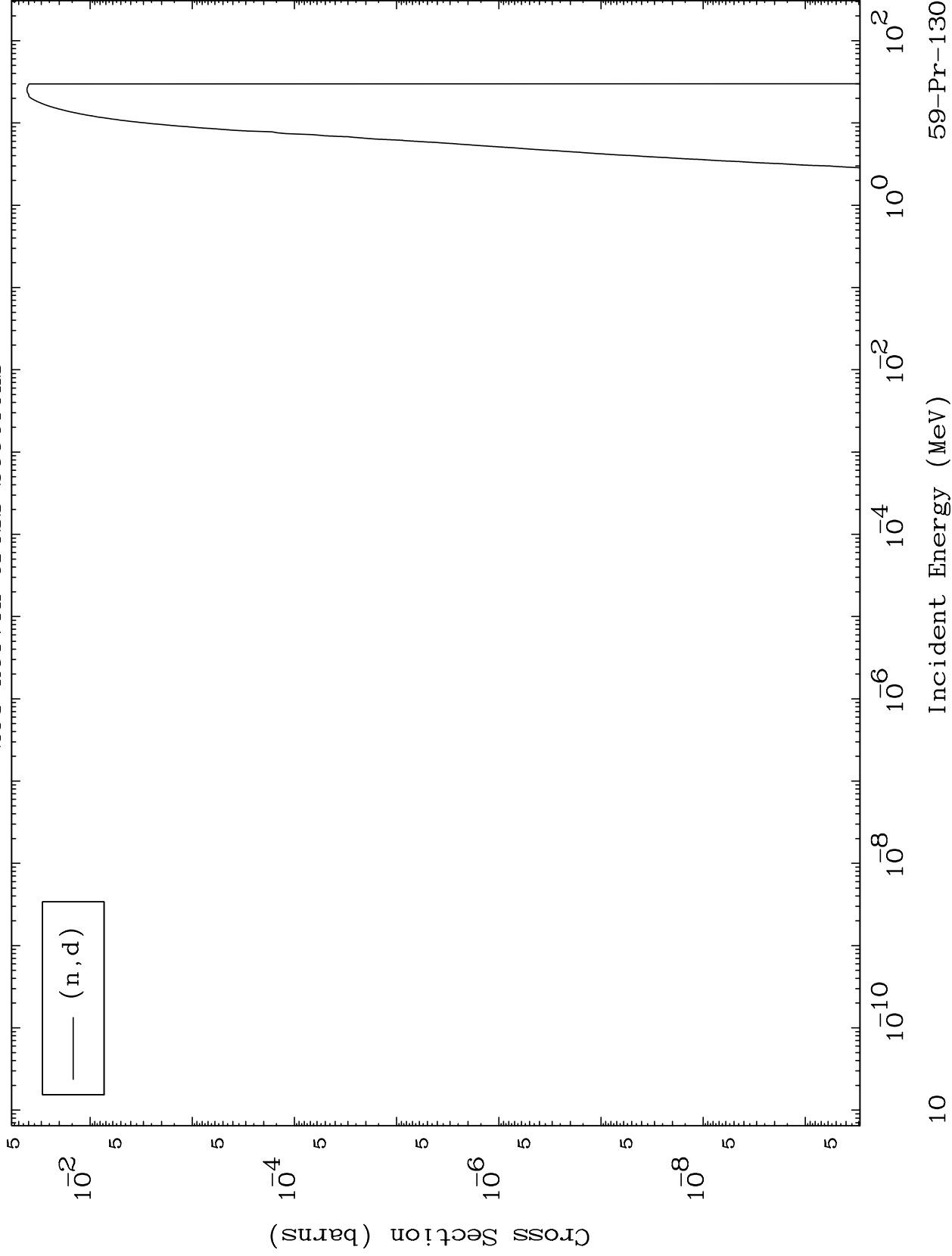
59-Pr-130



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(n,d) Levels
293 Kelvin Cross Sections

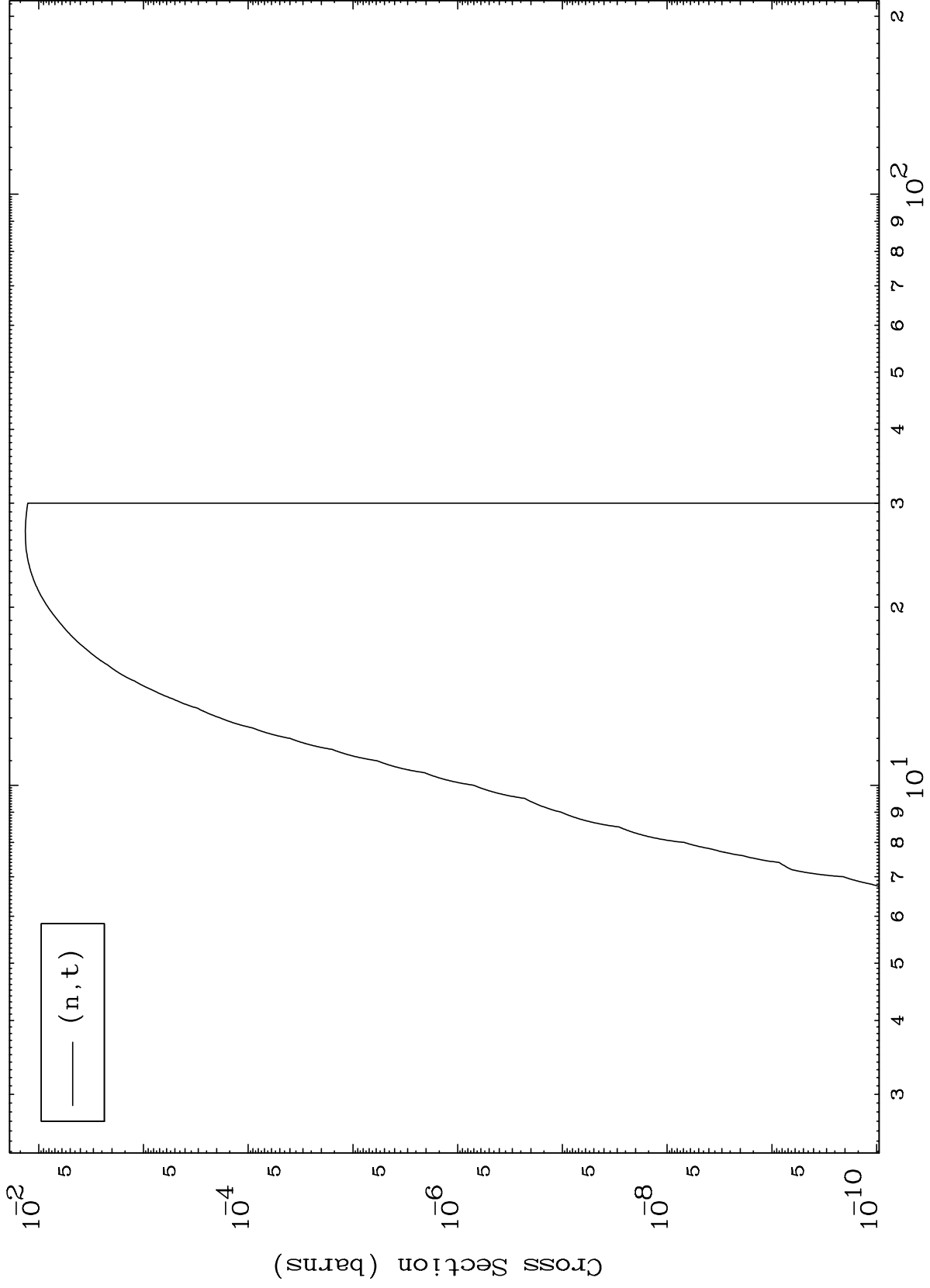
59-Pr-130



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(n,t) Levels
293 Kelvin Cross Sections

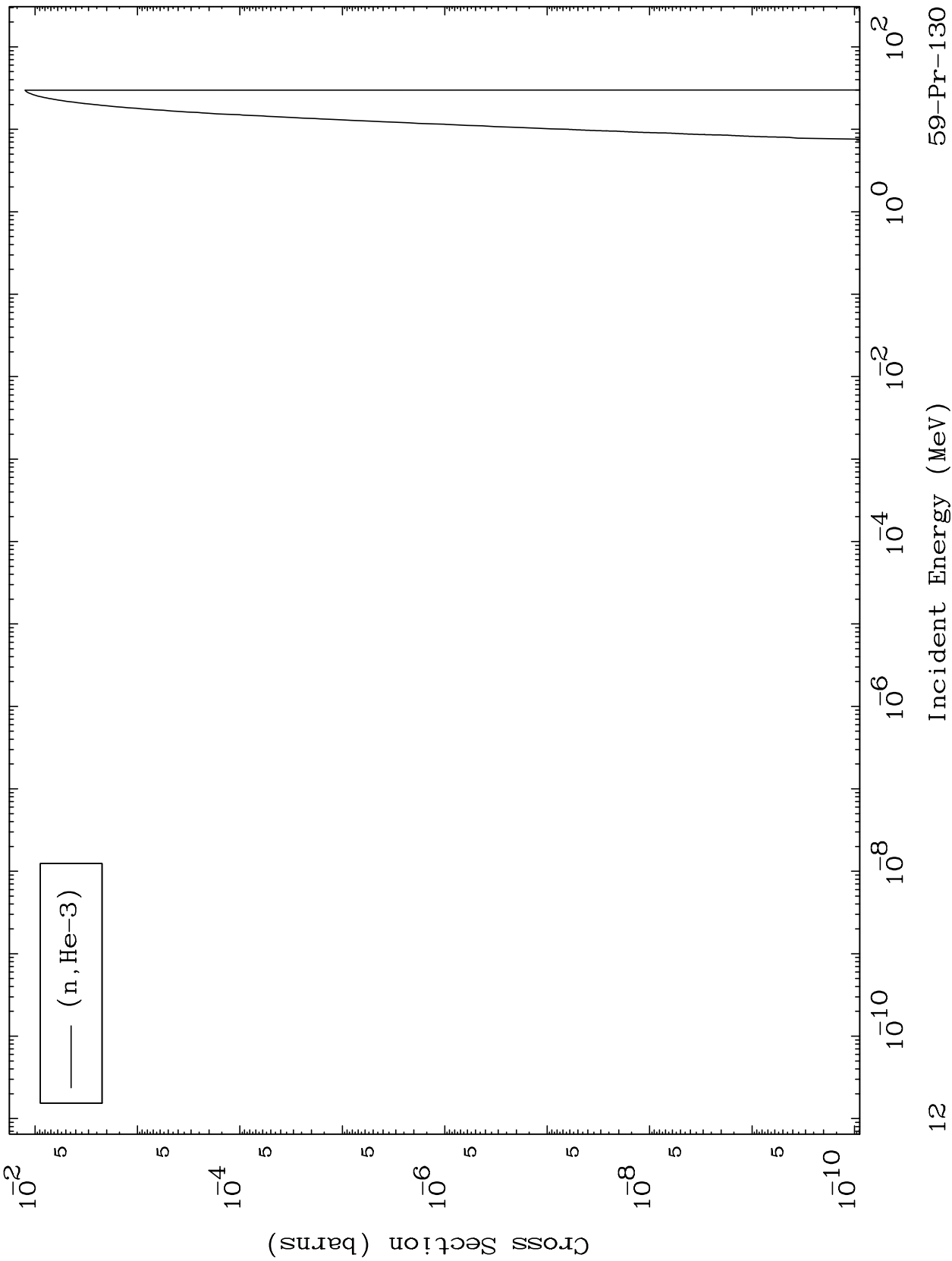
59-Pr-130



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(n,He3) Levels
293 Kelvin Cross Sections

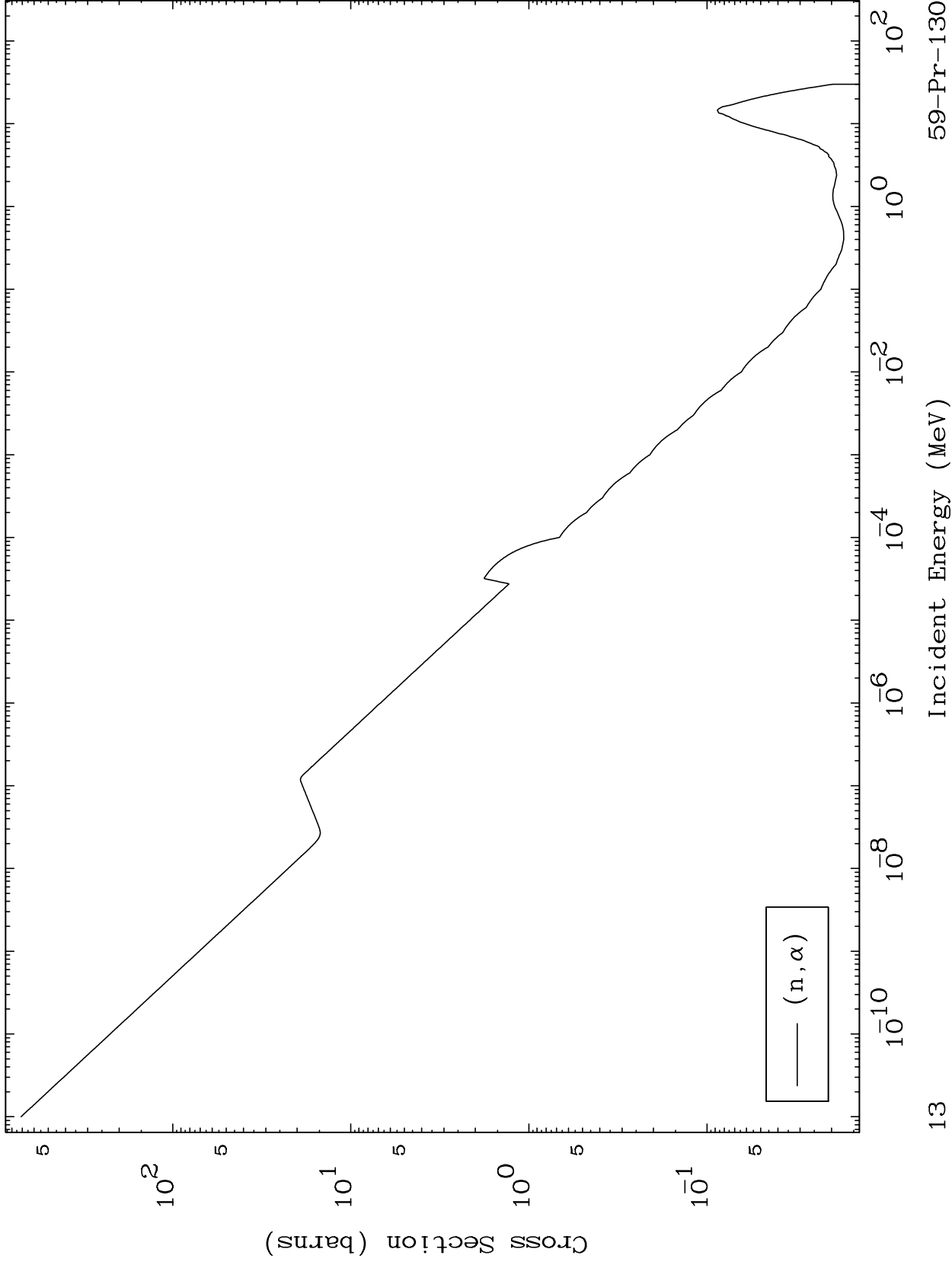
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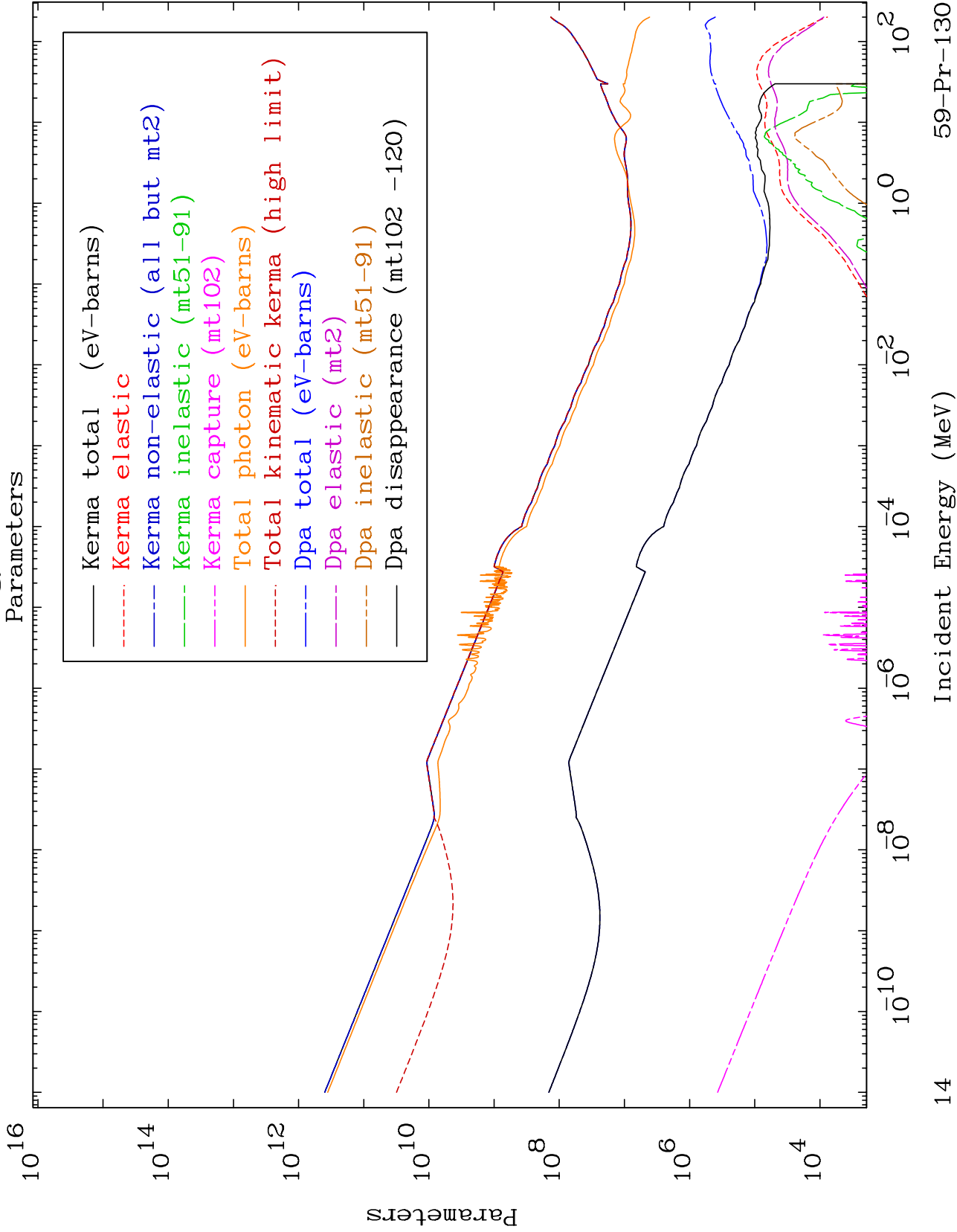


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(n,α) Levels
293 Kelvin Cross Sections

59-Pr-130

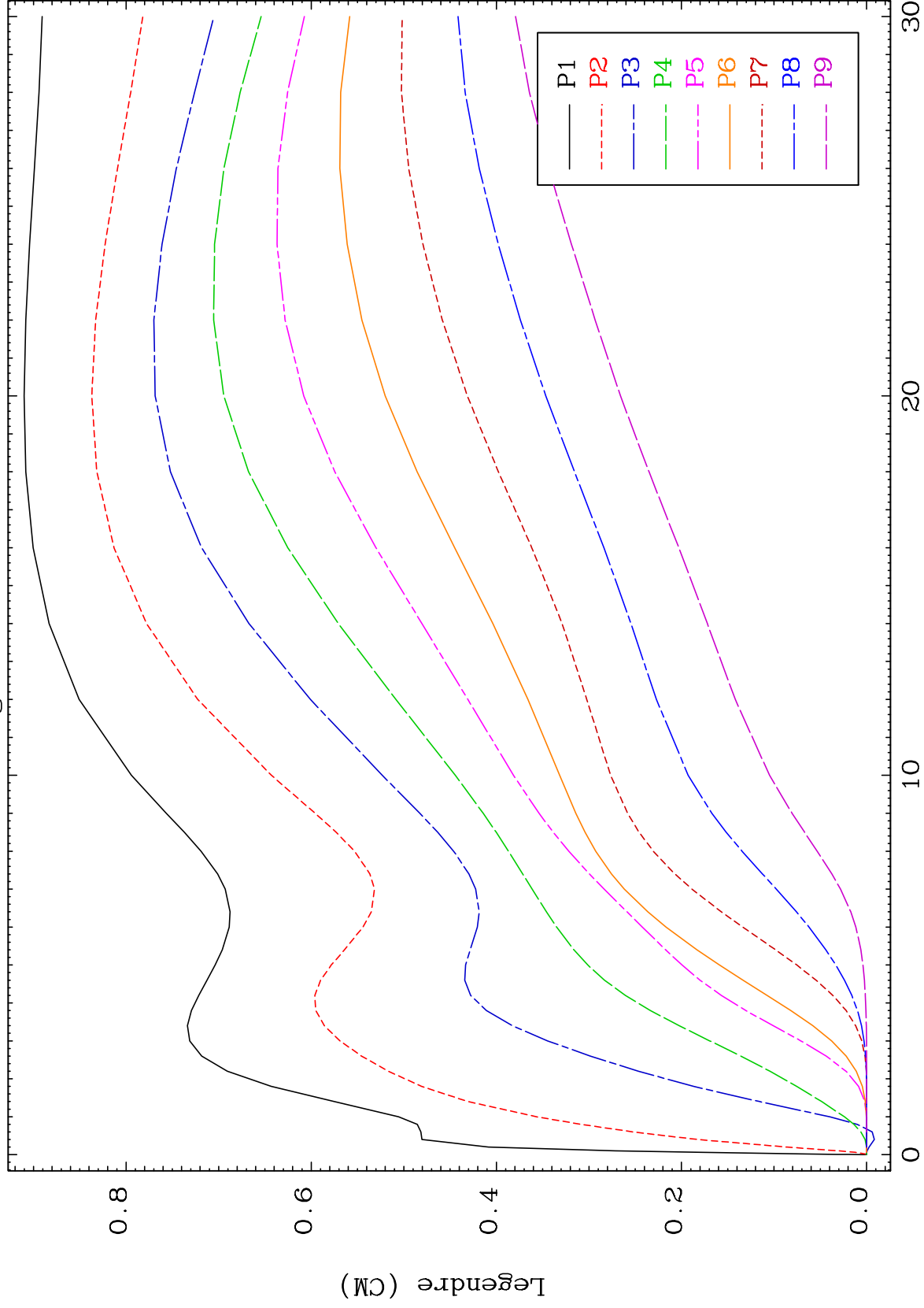




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Elastic Legendre Coefficients

59-Pr-130



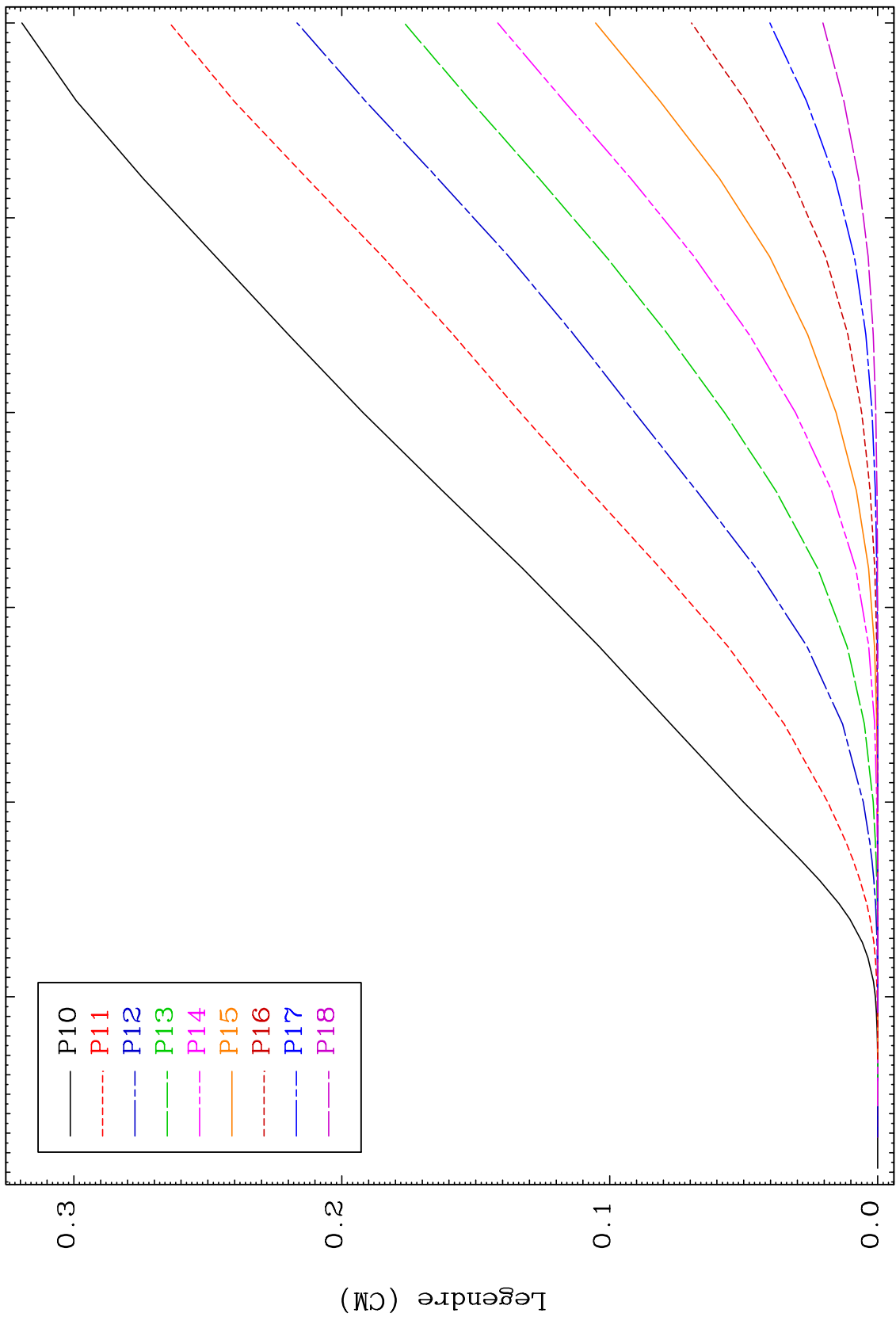
Incident Energy (MeV)

59-Pr-130

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Elastic Legendre Coefficients

59-Pr-130



16

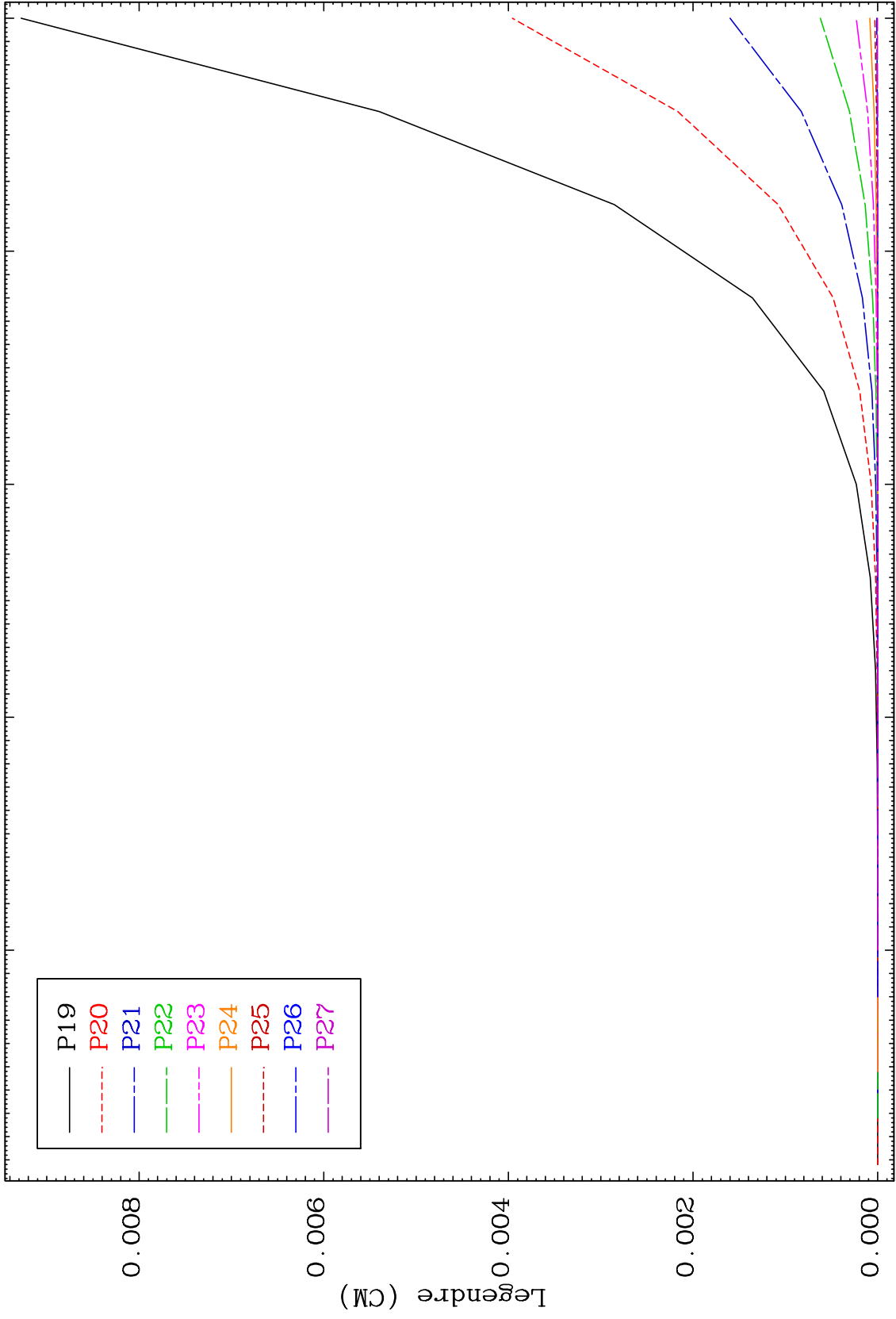
Incident Energy (MeV)

59-Pr-130

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Elastic Legendre Coefficients

59-Pr-130



17

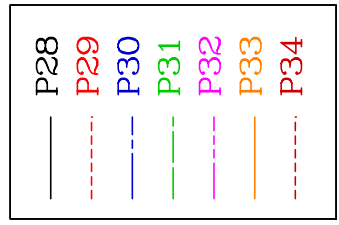
Incident Energy (MeV)

59-Pr-130

MAT 5892

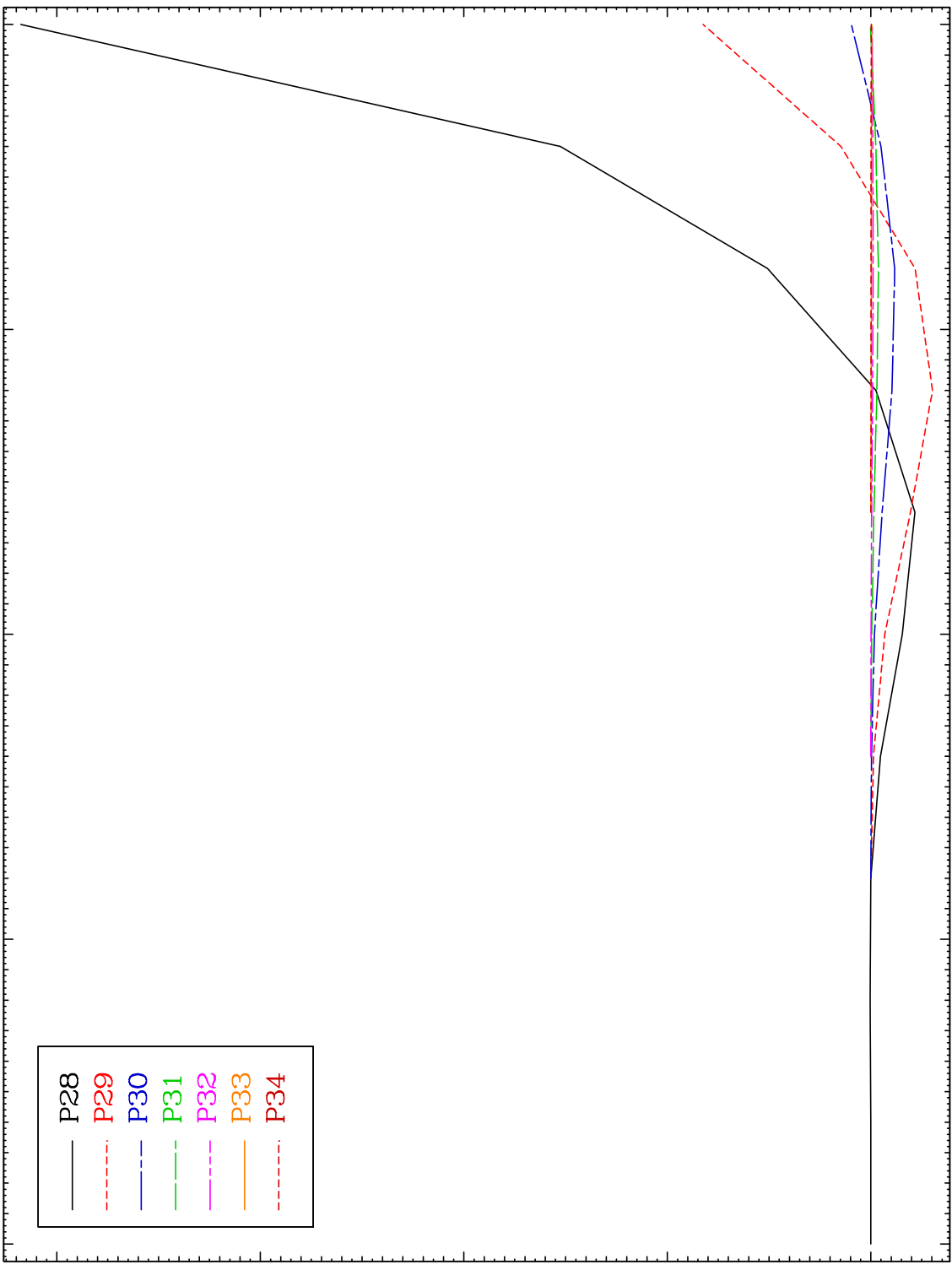
Elastic Legendre Coefficients

59-Pr-130



$\times 10^{-78}$

Legendre (CM)



18

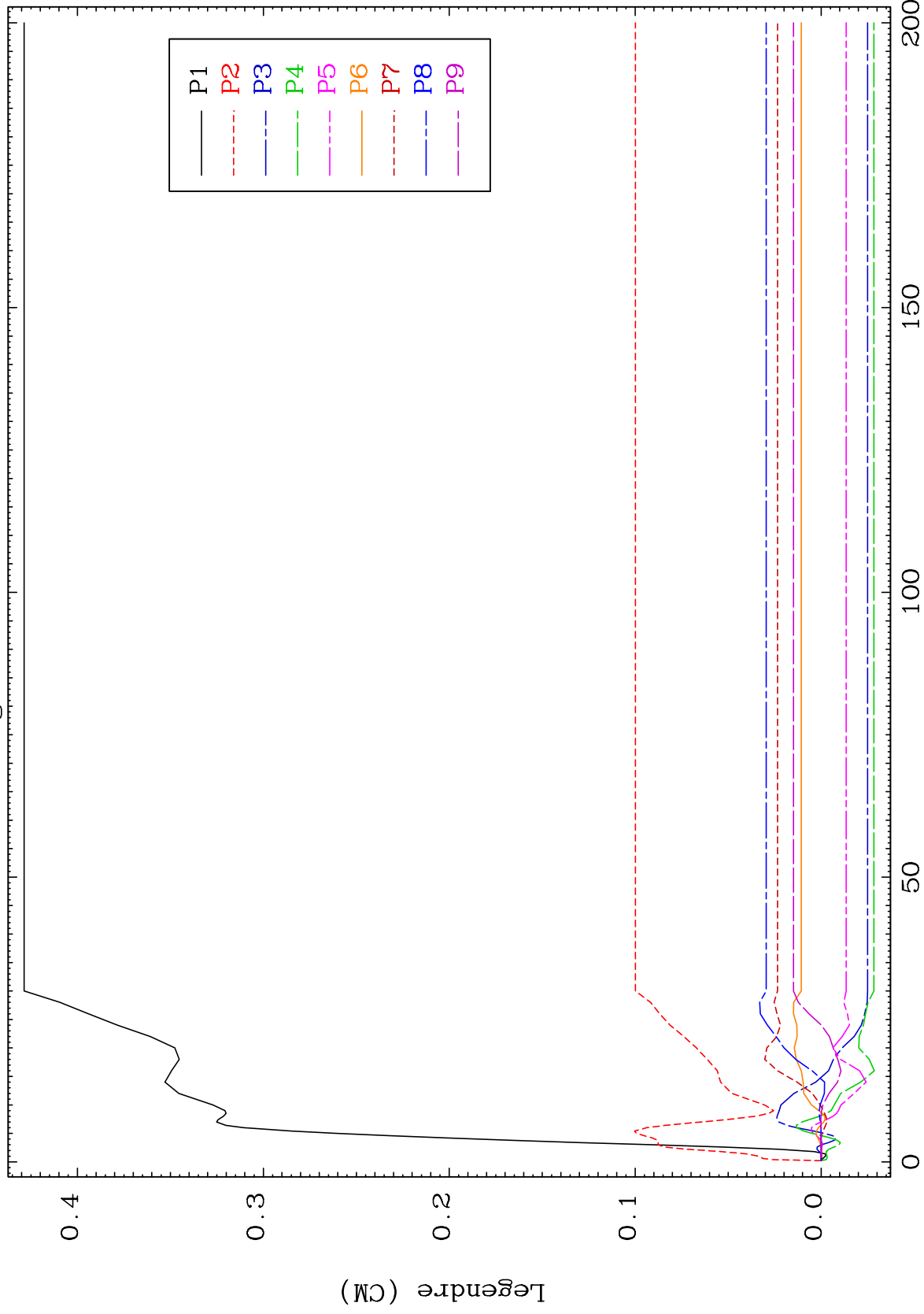
Incident Energy (MeV)

59-Pr-130

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200.0 keV (n,n') Level
Legendre Coefficients

59-Pr-130



19

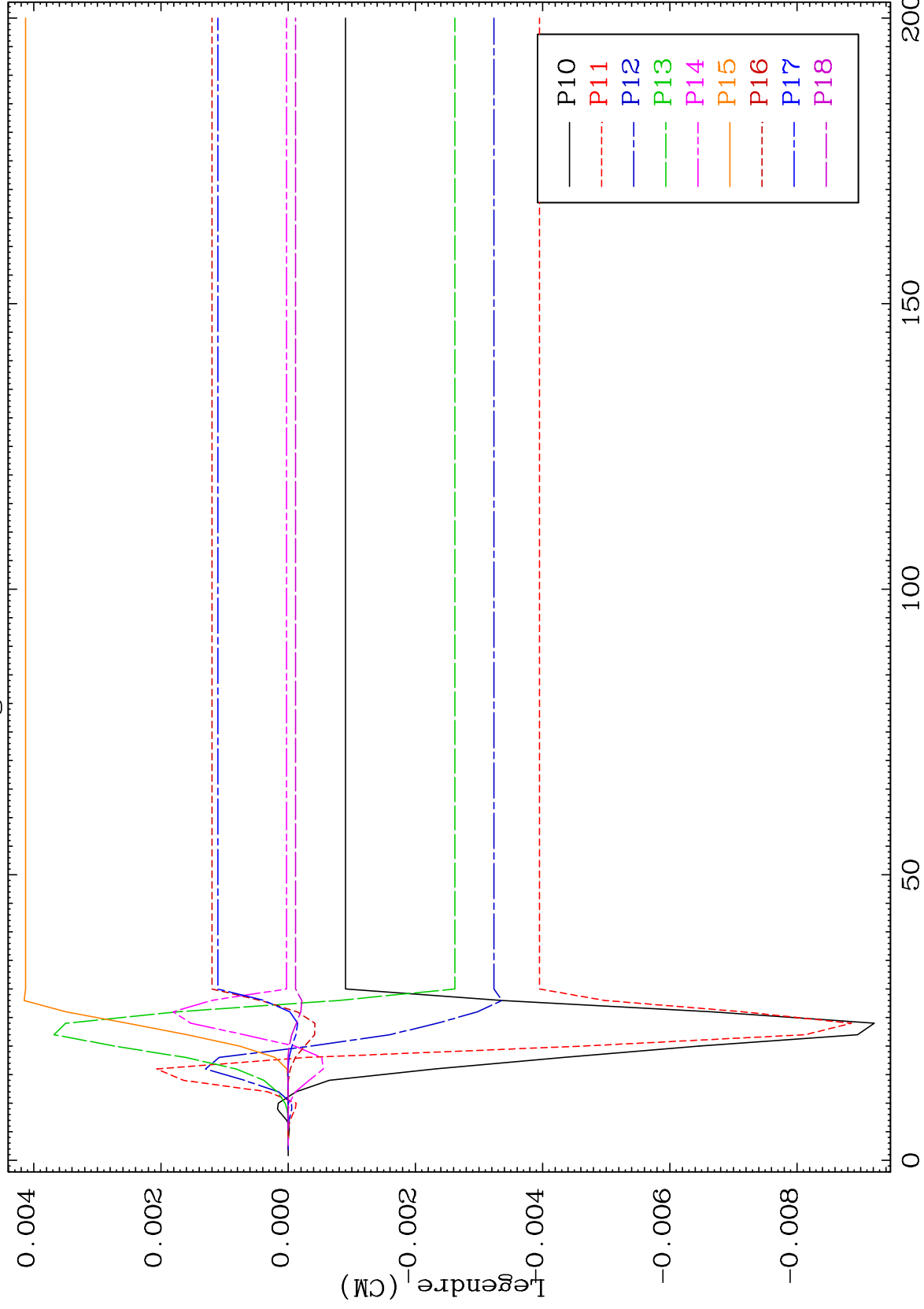
Incident Energy (MeV)

59-Pr-130

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200.0 keV (n,n') Level
Legendre Coefficients

59-Pr-130



0

50

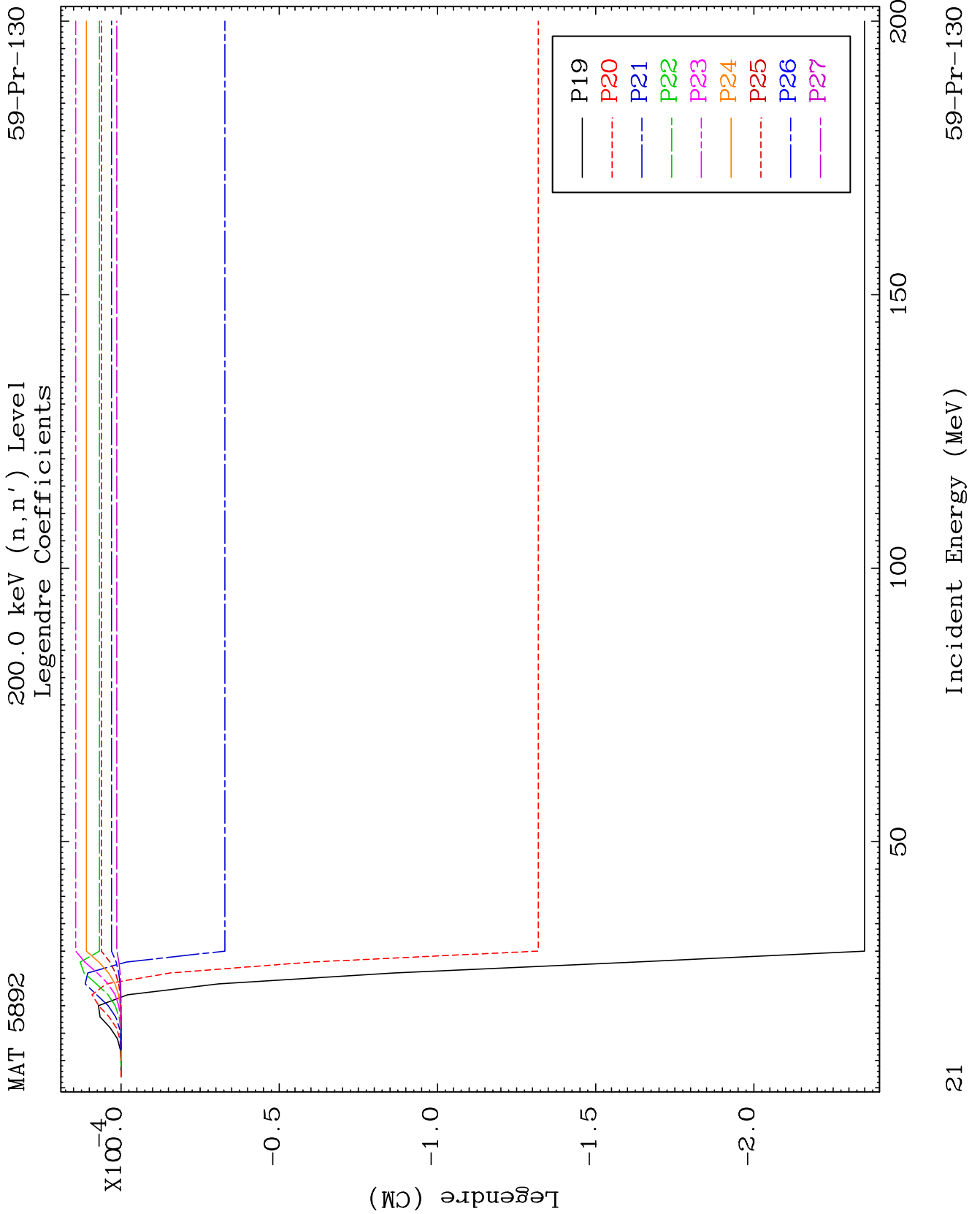
100

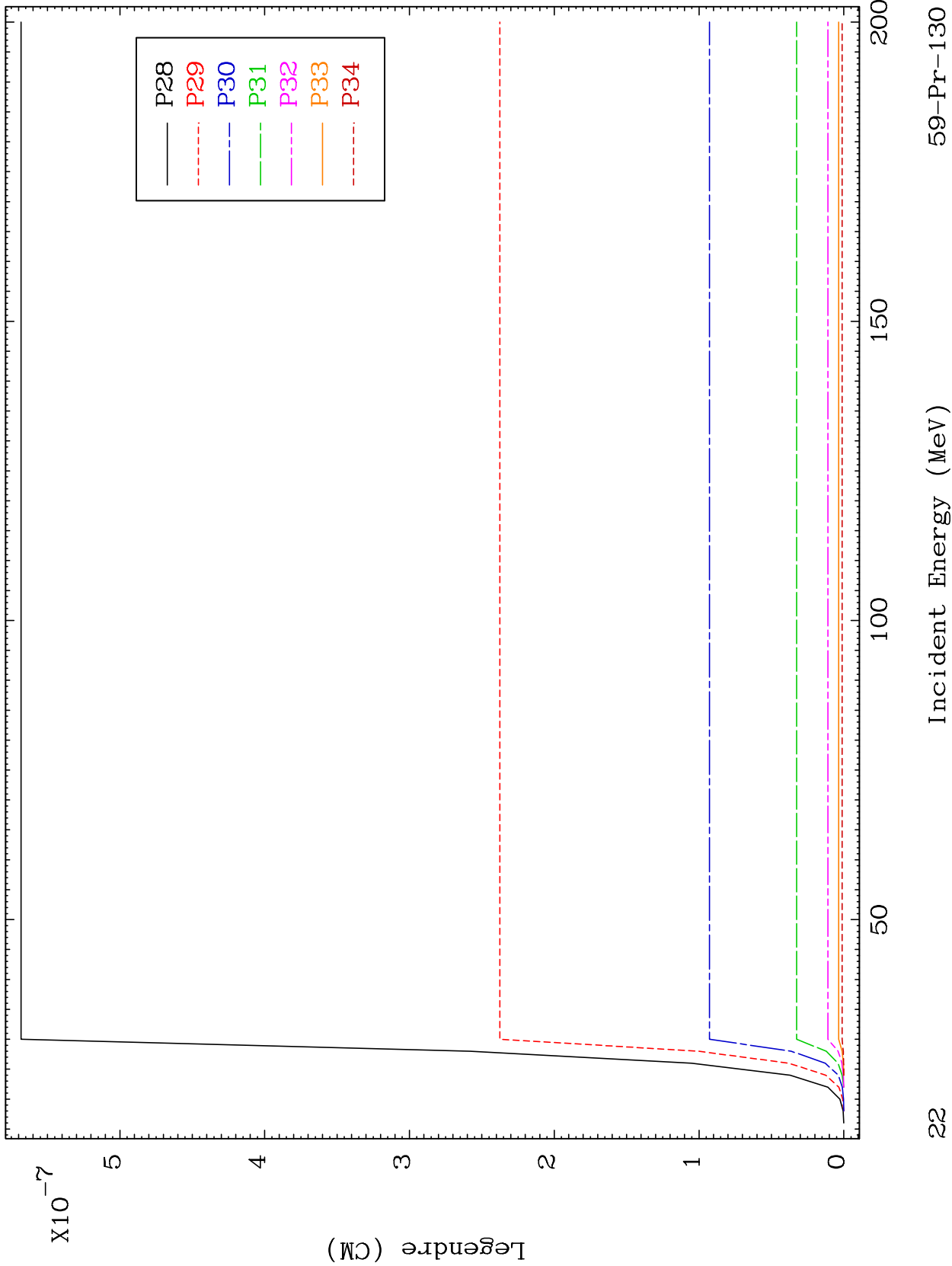
150

200

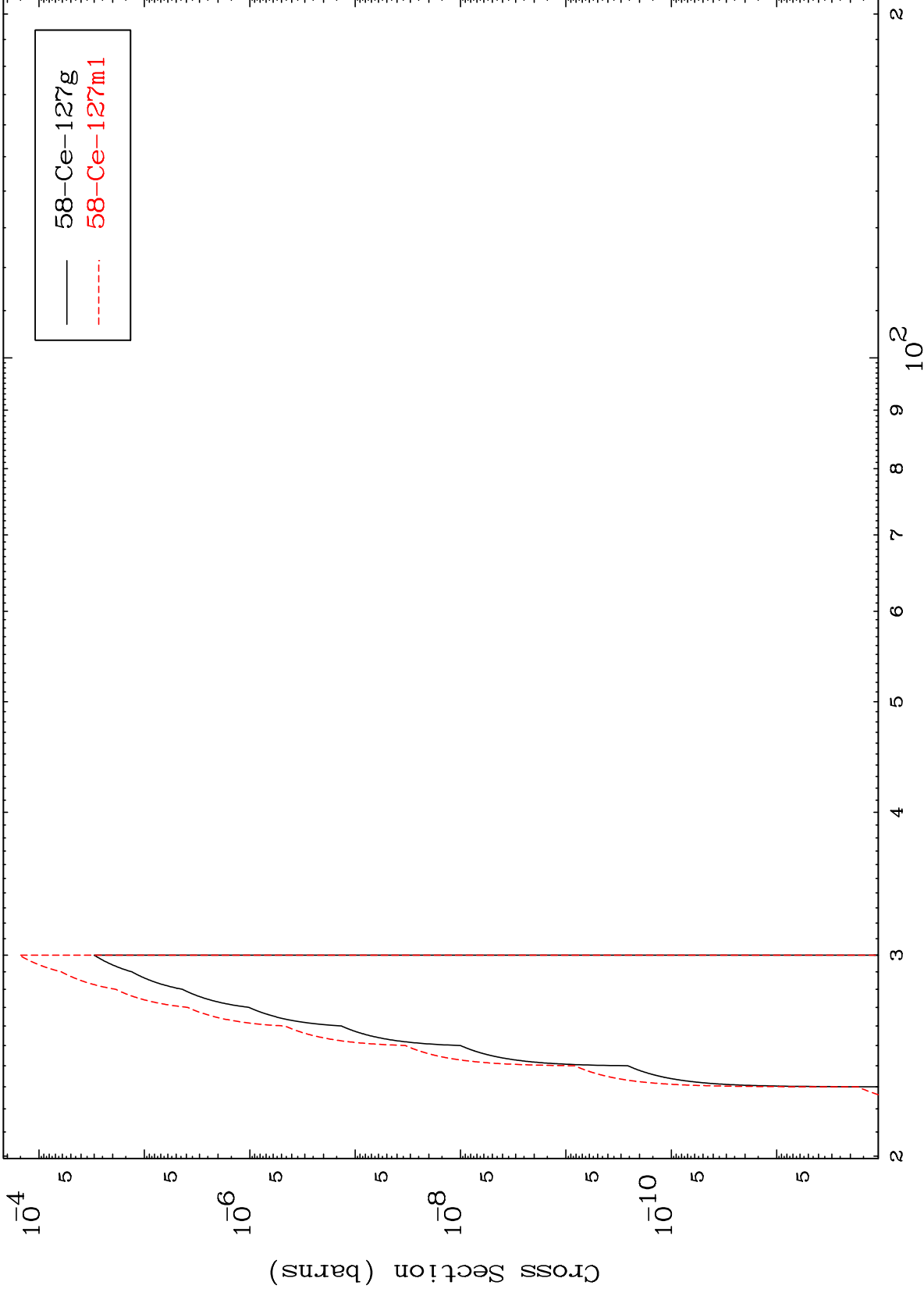
Incident Energy (MeV)

59-Pr-130





Radionuclide Production Cross Section

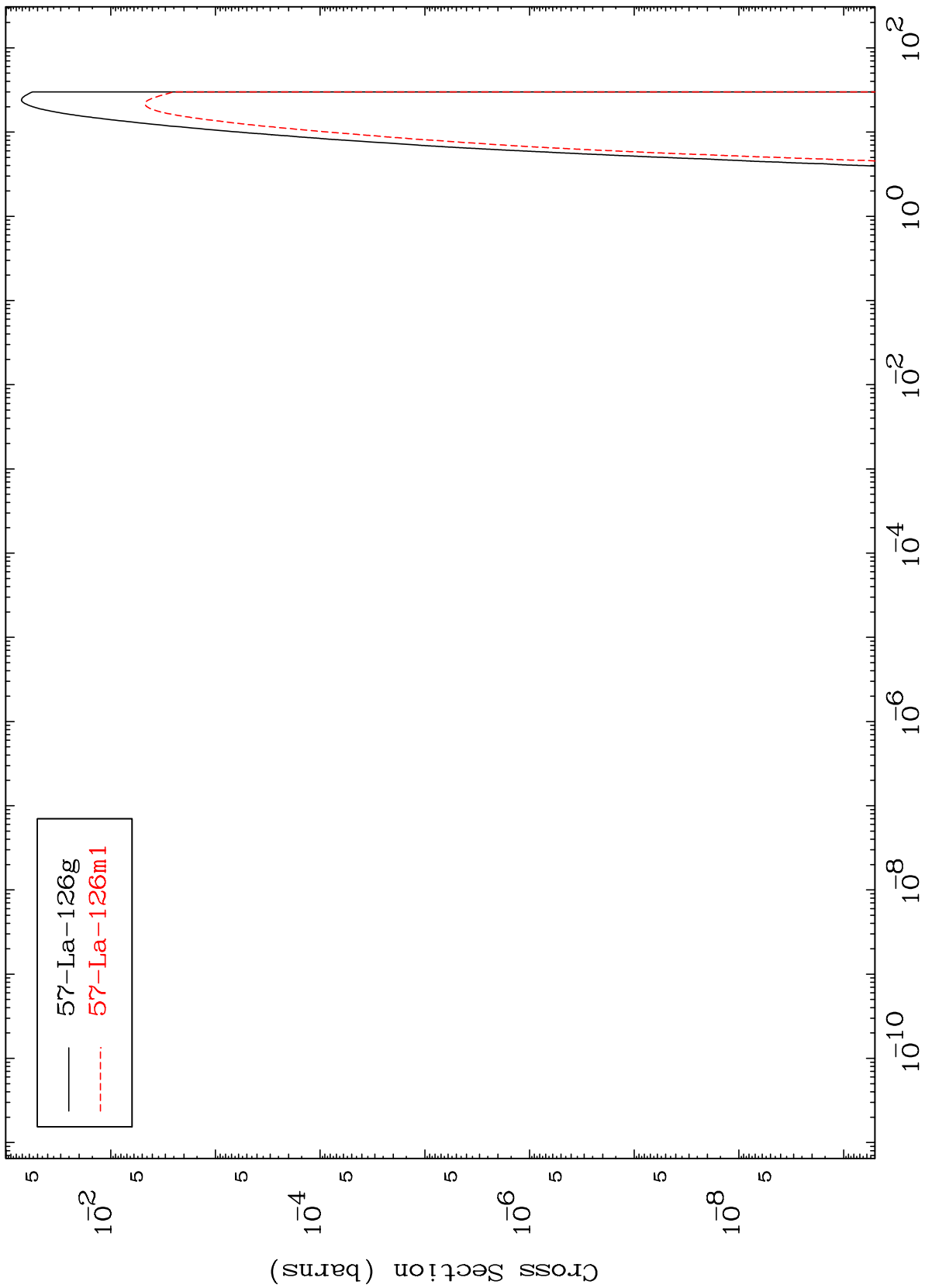


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$(n, n') \alpha$

59-Pr-130

Radionuclide Production Cross Section

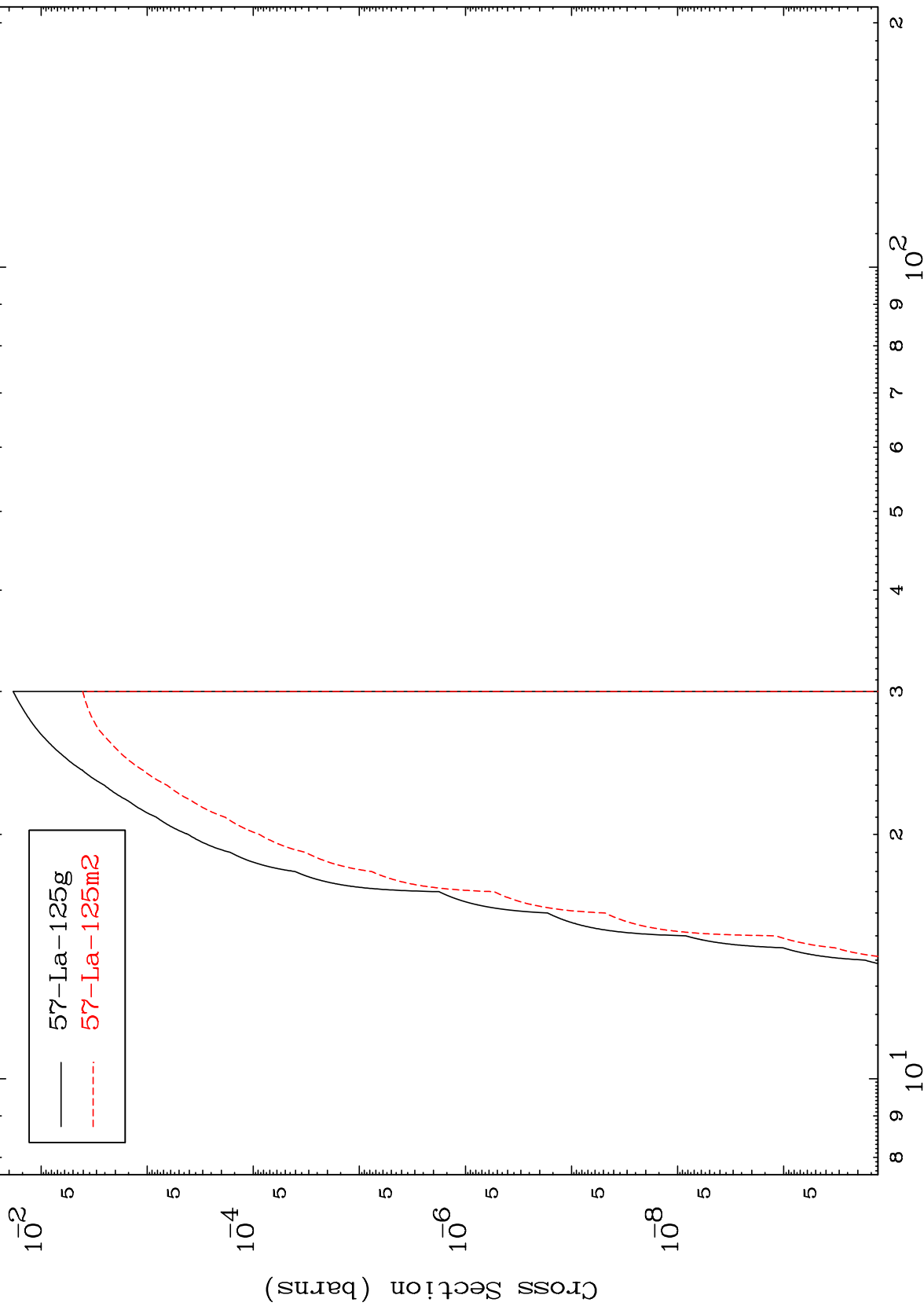


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(n,2n) α

59-Pr-130

Radionuclide Production Cross Section

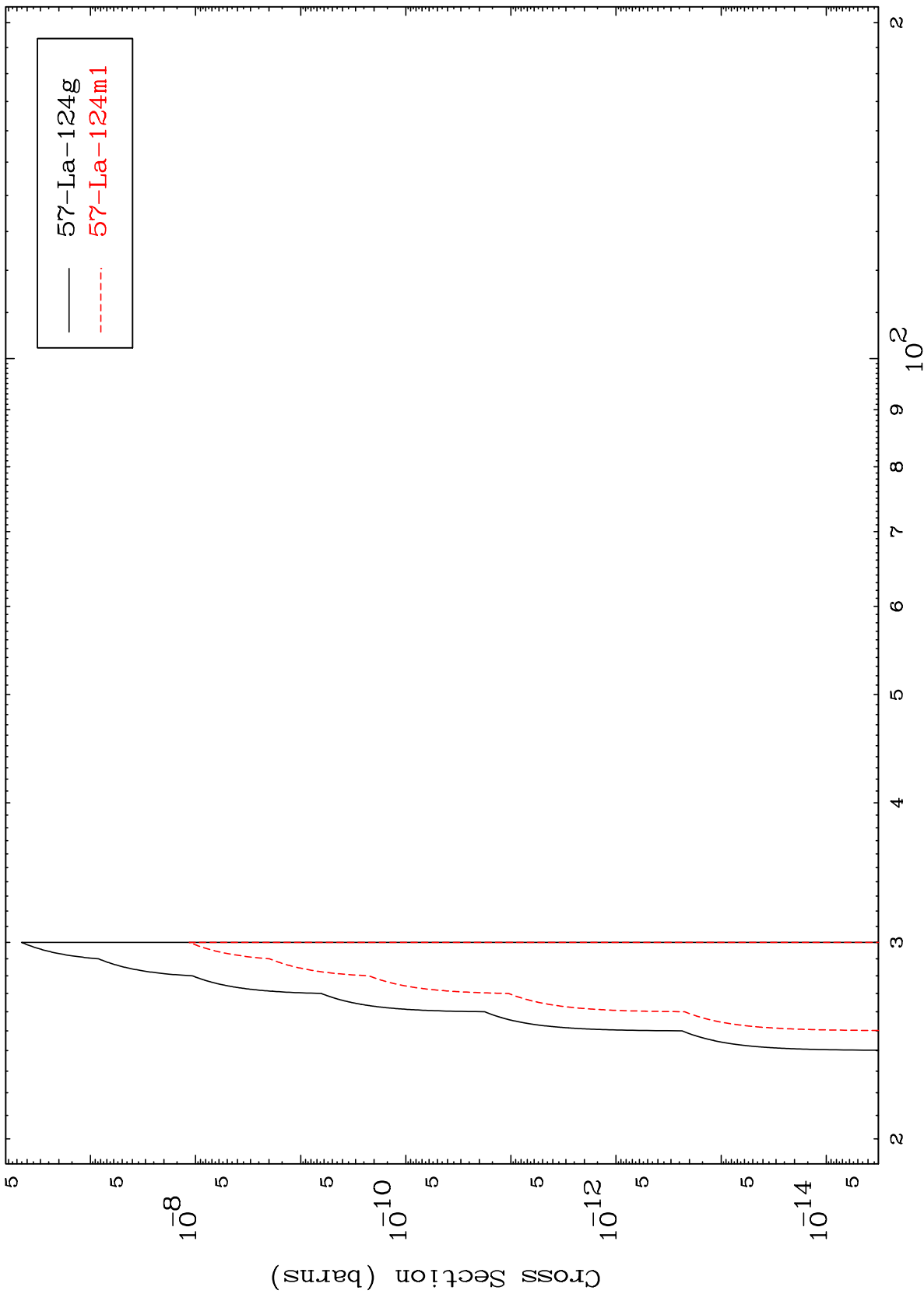


25

Incident Energy (MeV)

59-Pr-130

Radionuclide Production Cross Section



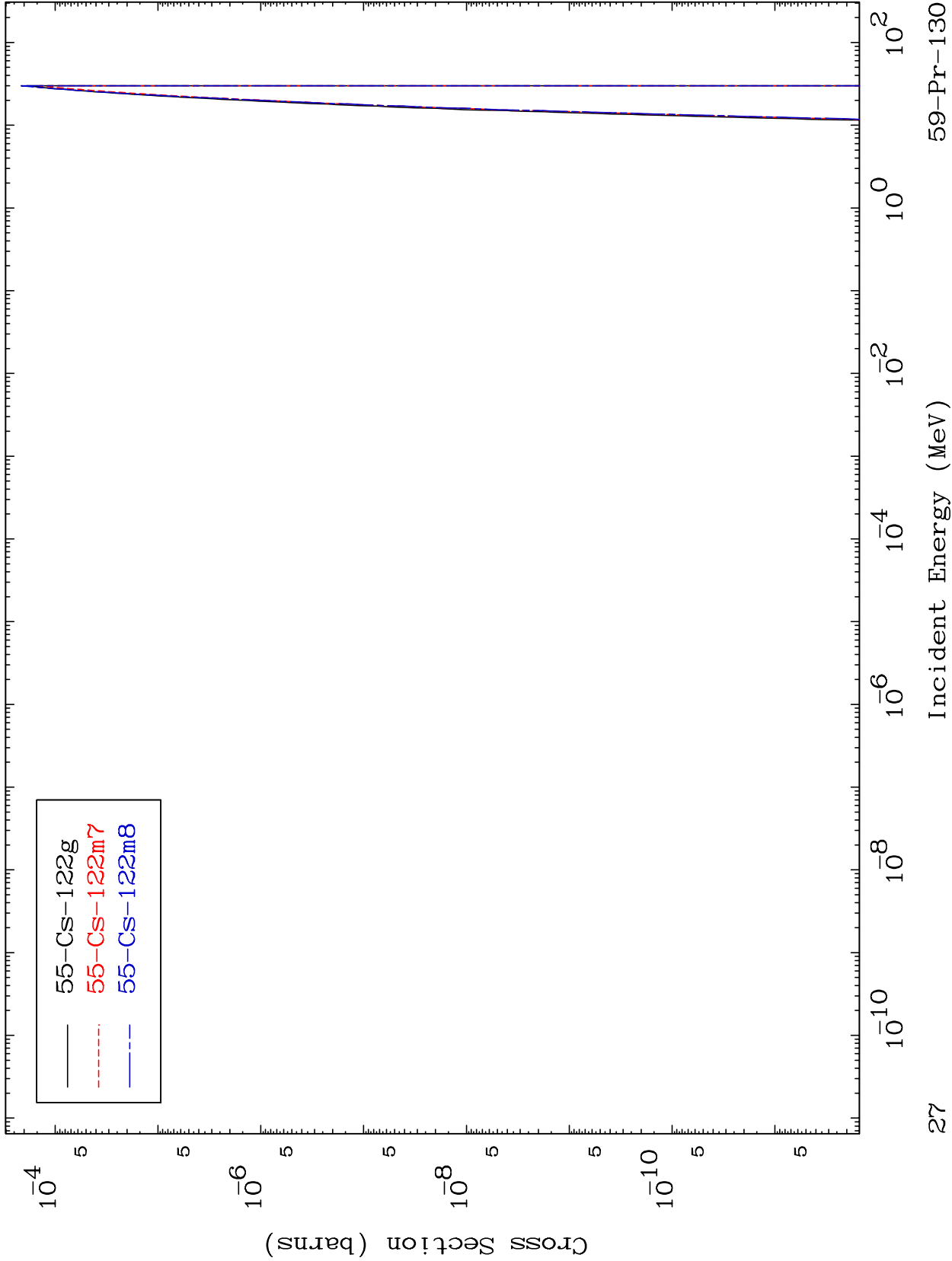
57-La-124g
57-La-124m1

MAT 5892

(n,n') 2α

59-Pr-130

Radionuclide Production Cross Section

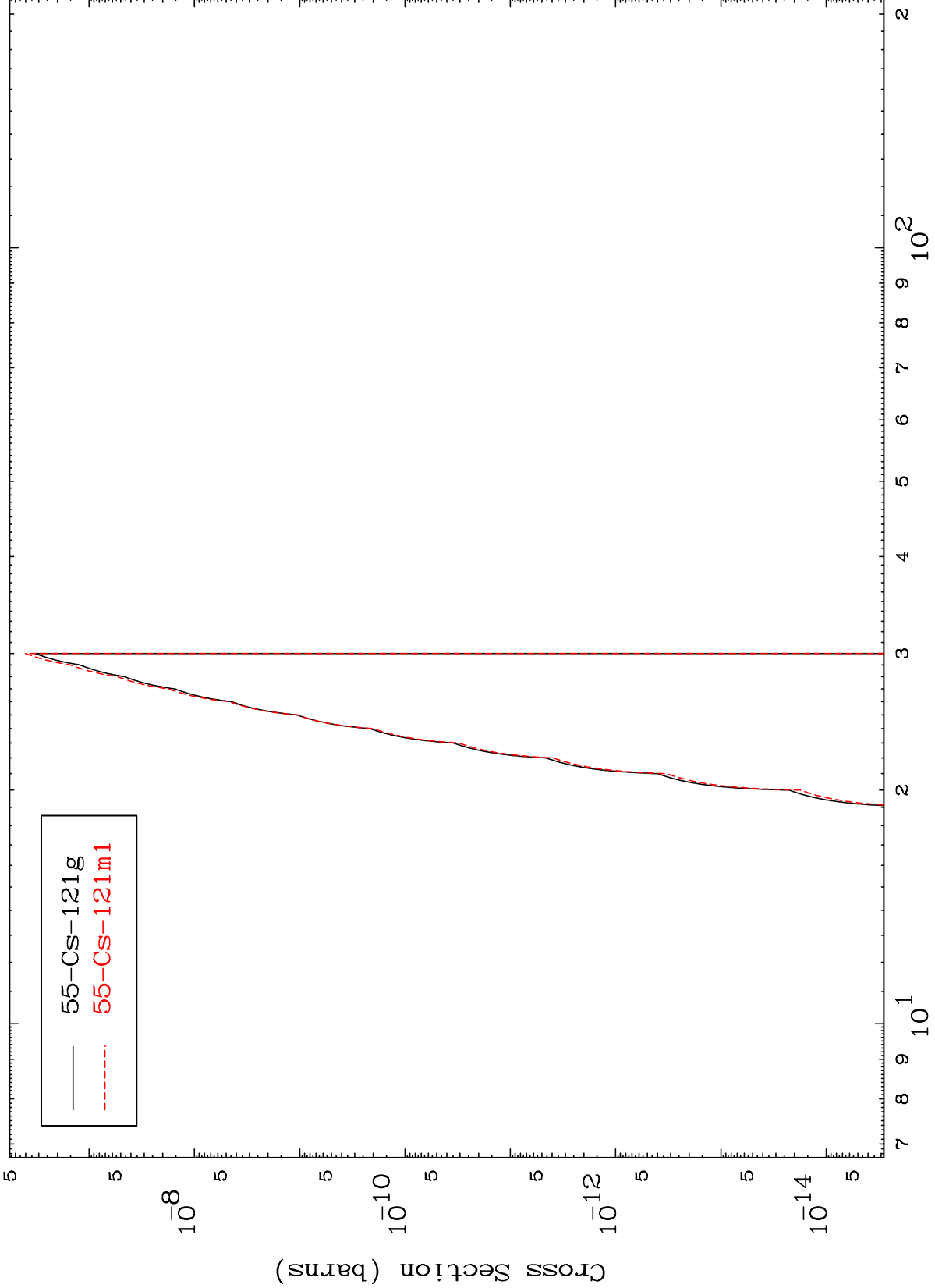


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$^{59}\text{Pr-130}$

$^{59}\text{Pr-130}$

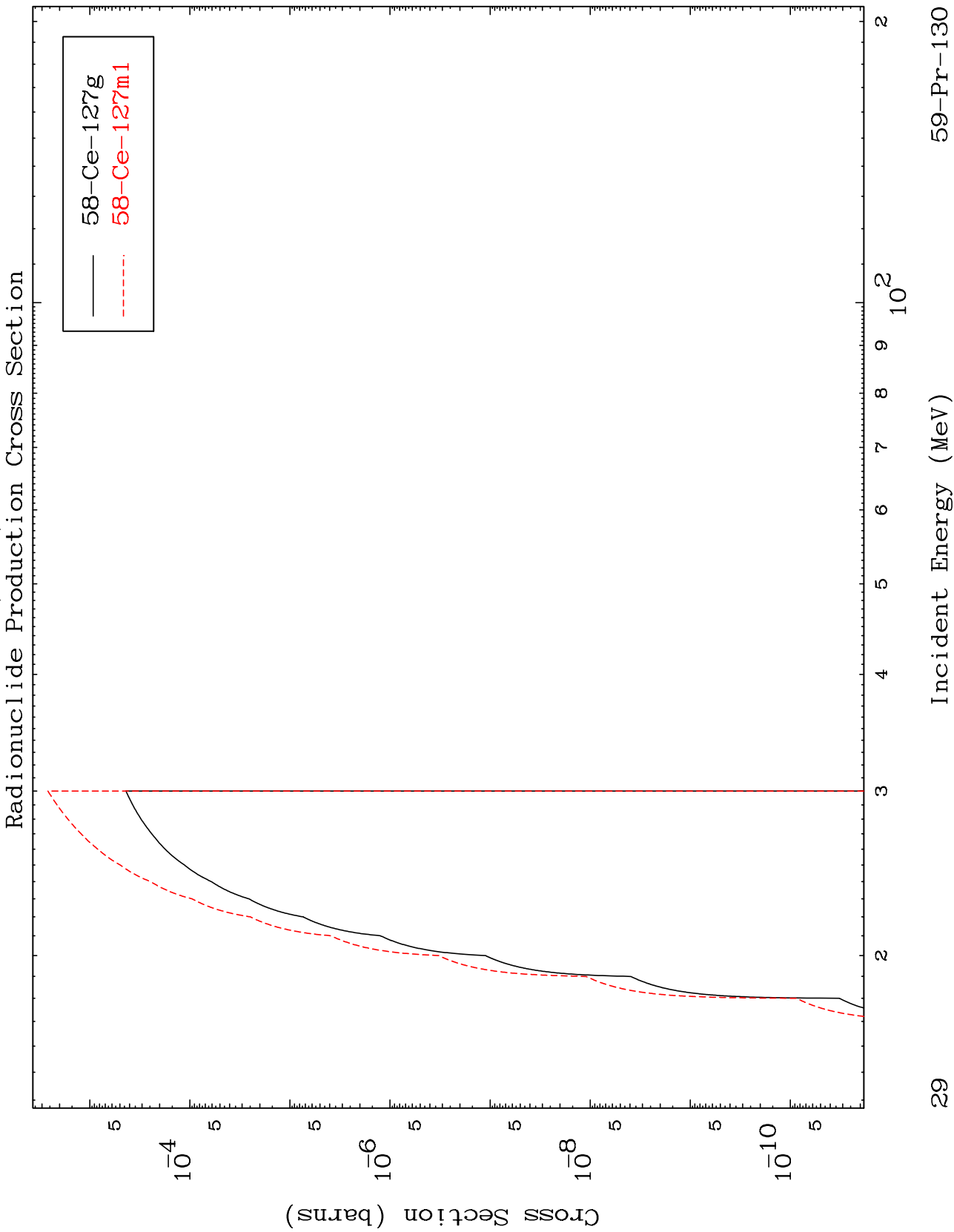
Radionuclide Production Cross Section



28

Incident Energy (MeV)

$^{59}\text{Pr-130}$

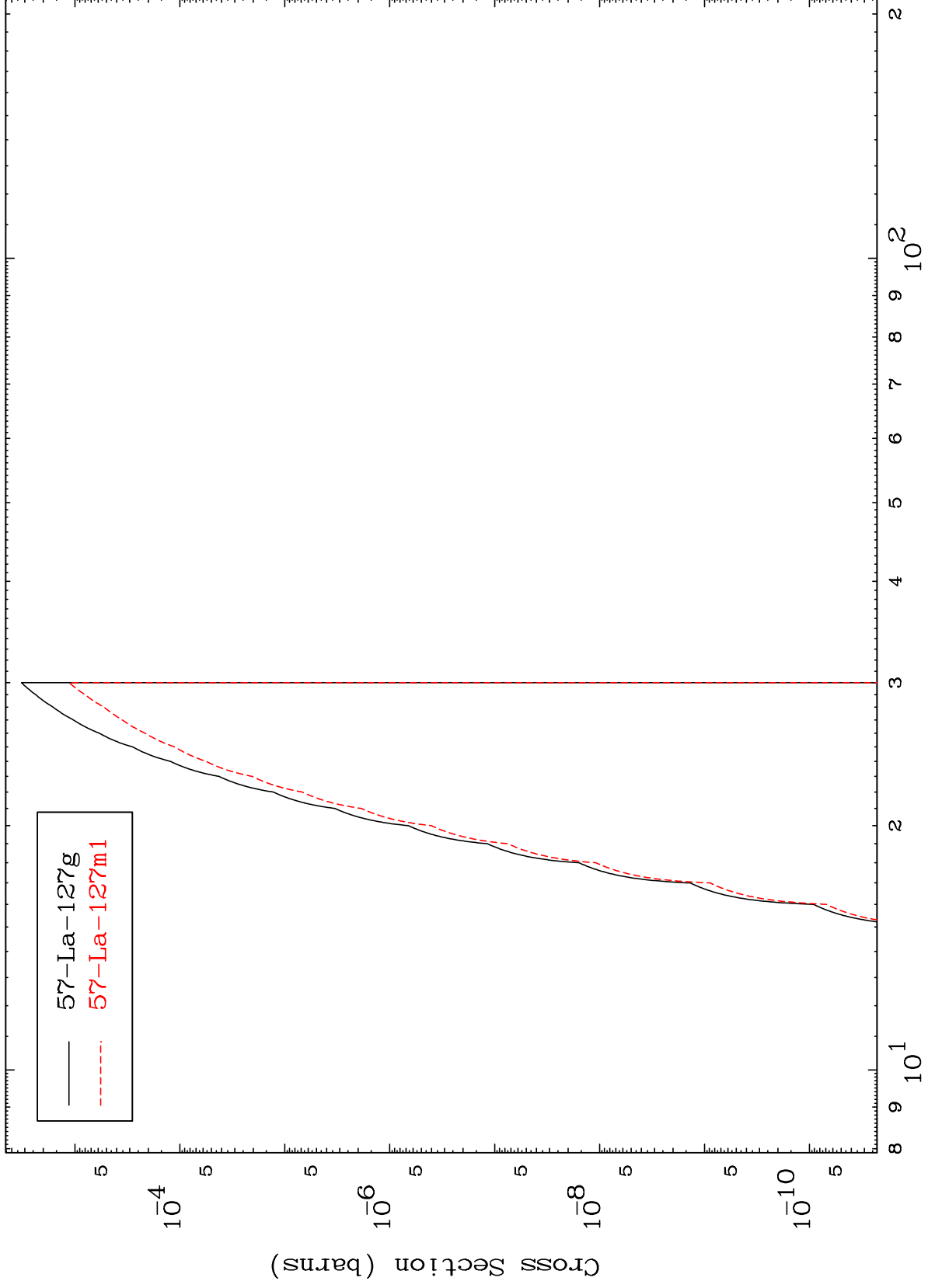


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(n,n') He-3

59-Pr-130

Radionuclide Production Cross Section

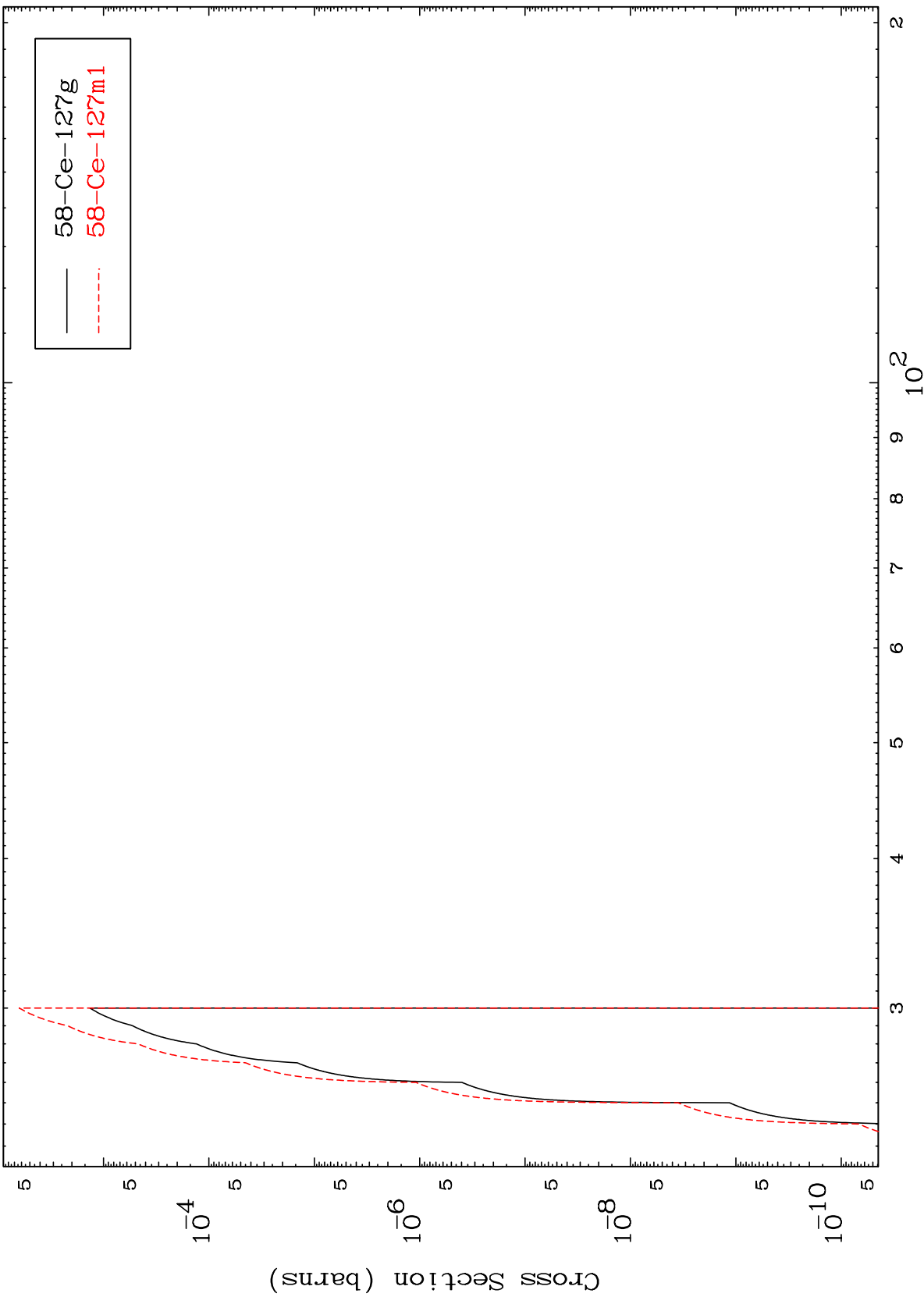


30

Incident Energy (MeV)

59-Pr-130

Radionuclide Production Cross Section

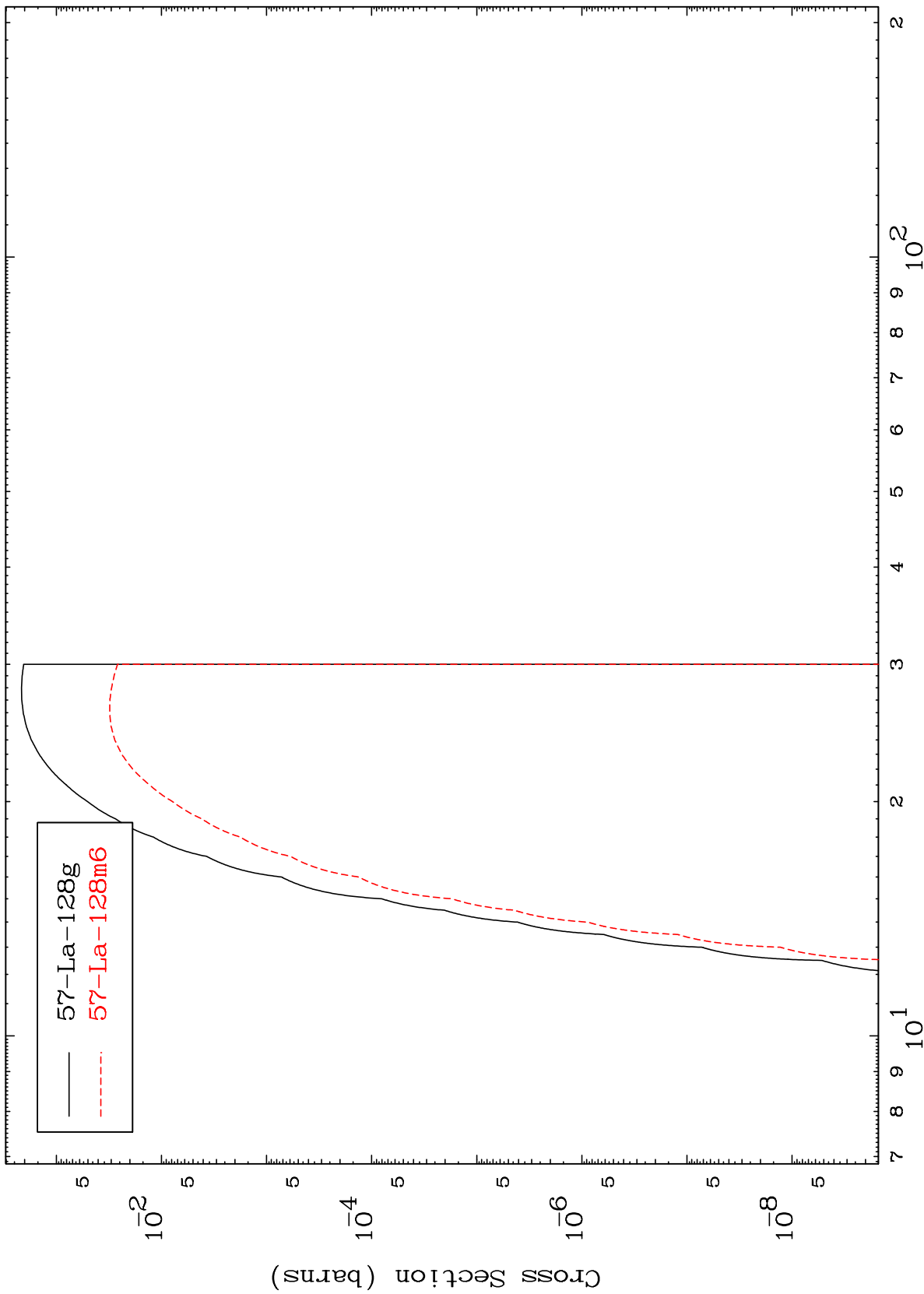


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(n,2n) p

59-Pr-130

Radionuclide Production Cross Section



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

Incident Energy (MeV)

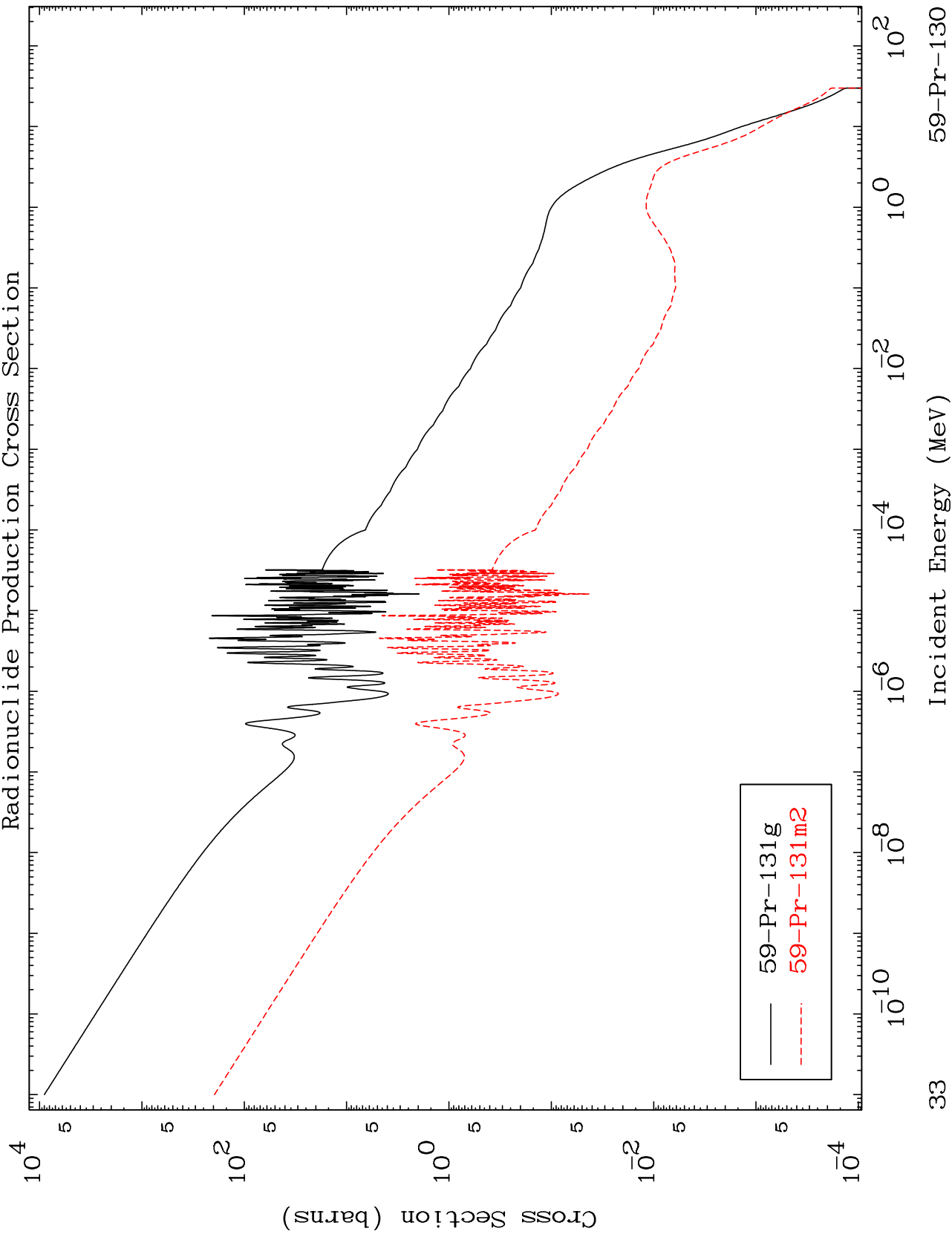
59-Pr-130

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59-Pr-130

(n, γ)
Radionuclide Production Cross Section

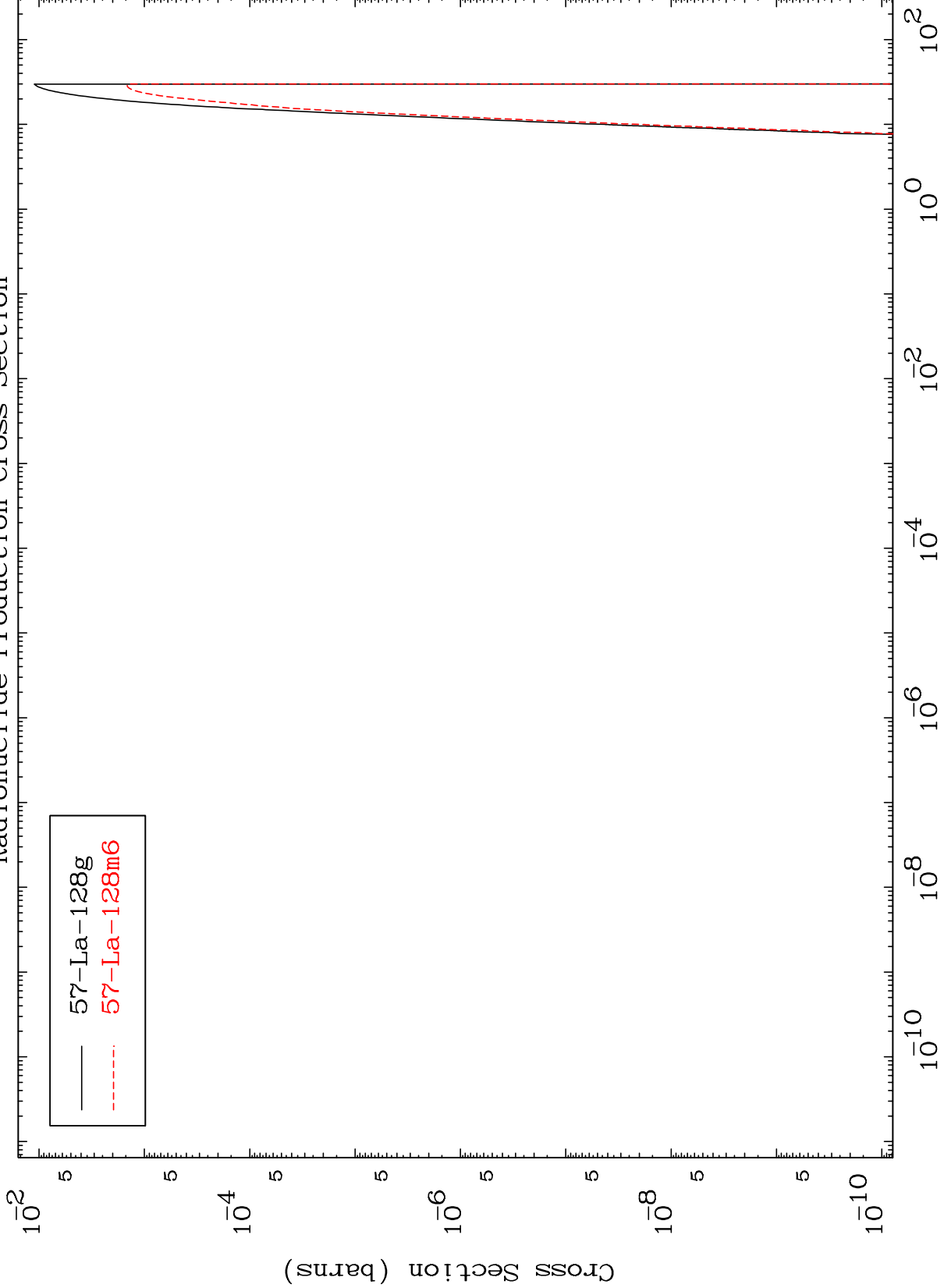


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(n,He-3)

59-Pr-130

Radionuclide Production Cross Section



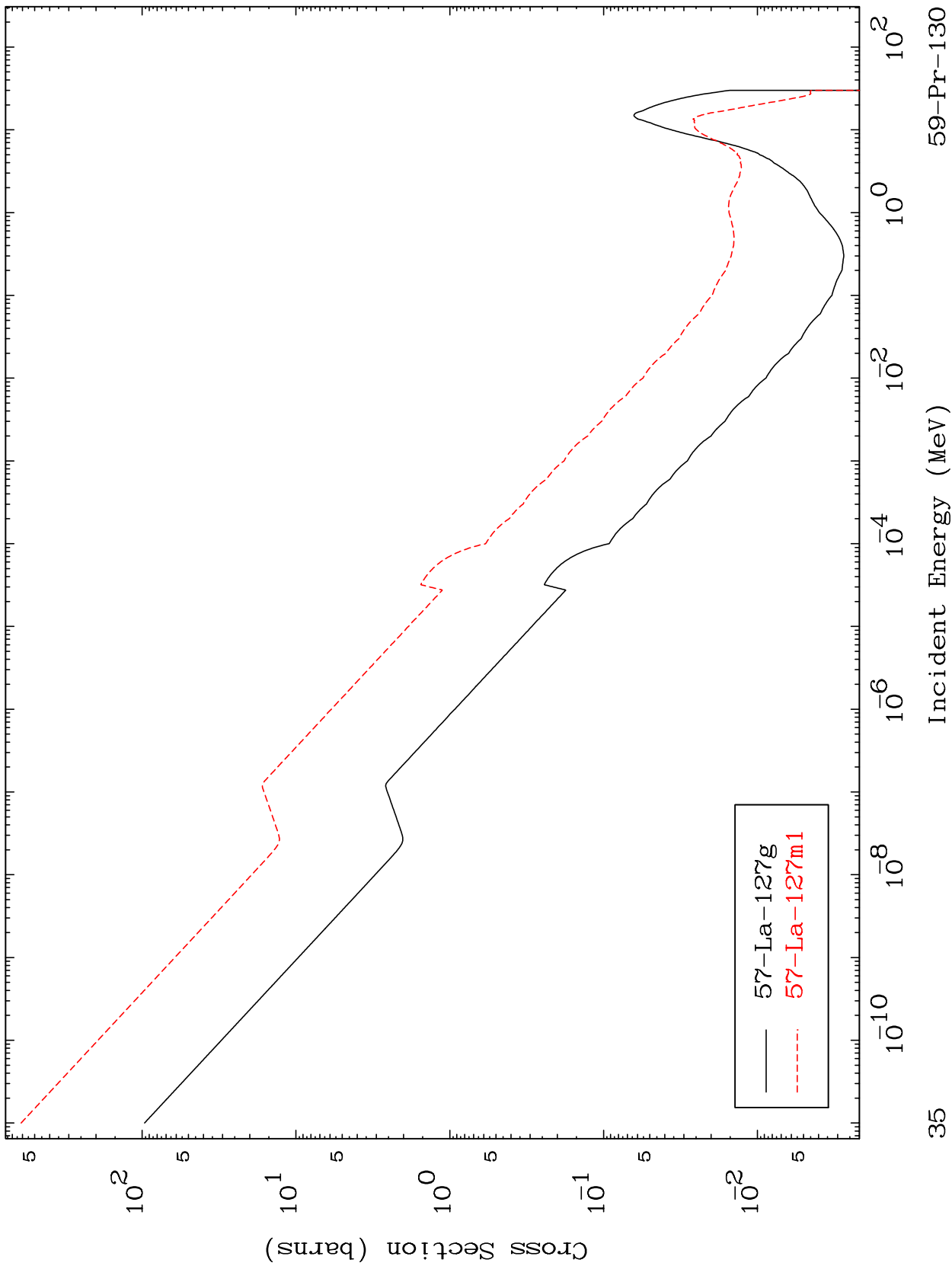
57-La-128g
57-La-128m6

Incident Energy (MeV)

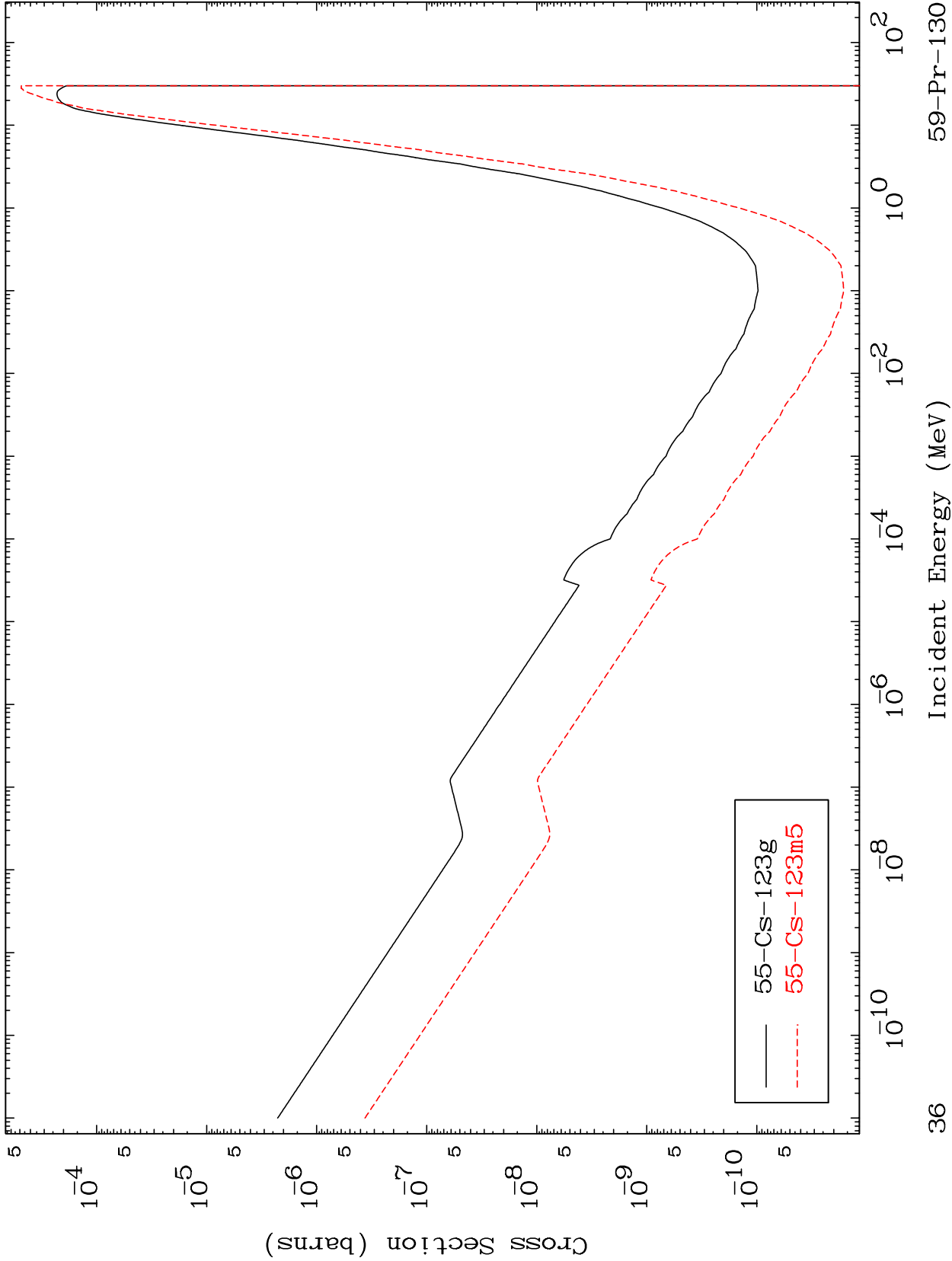
59-Pr-130

34

Radionuclide Production Cross Section



Radionuclide Production Cross Section

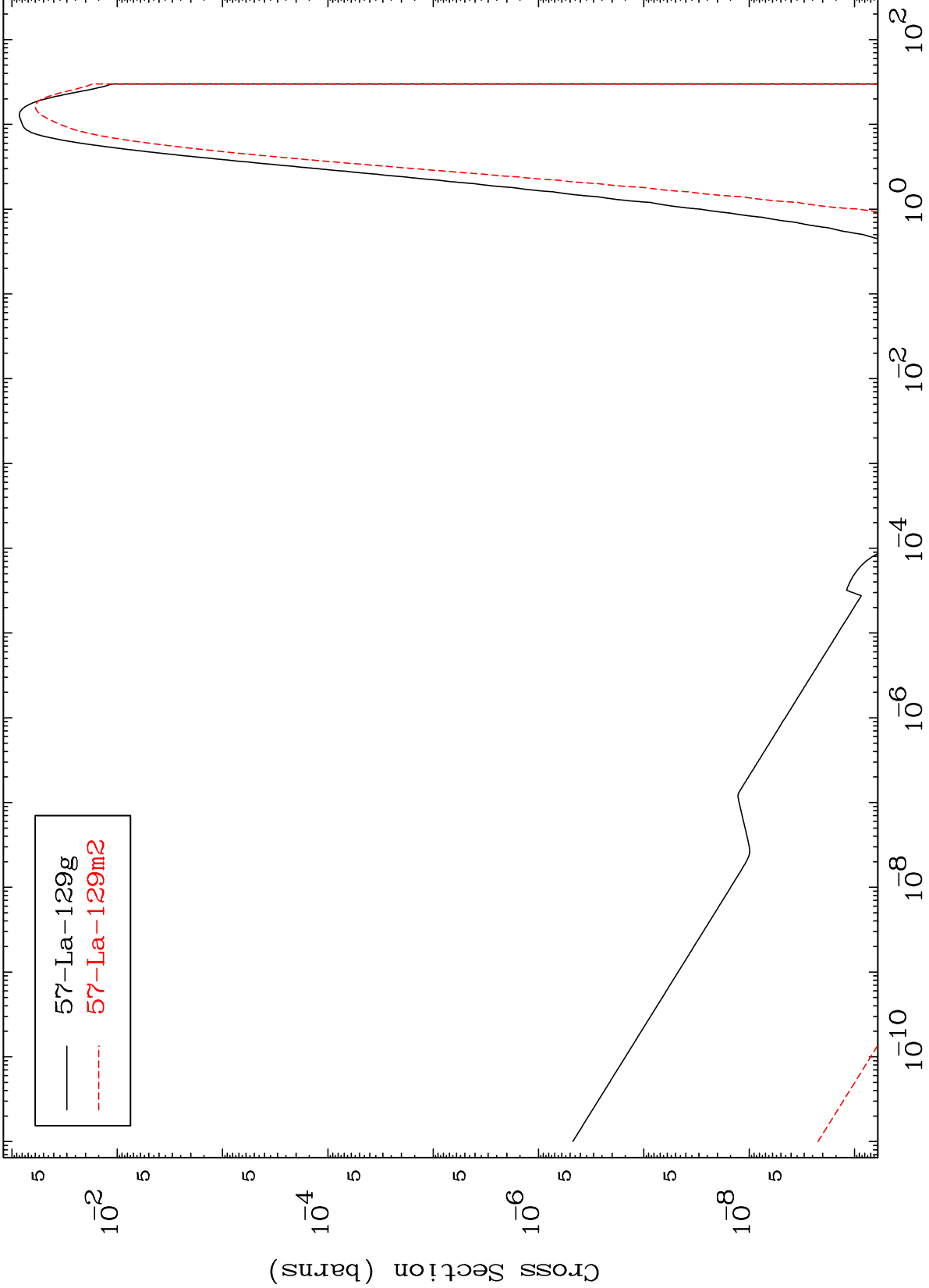
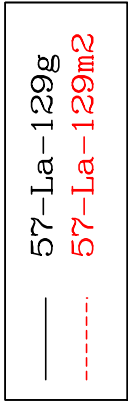


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(n,2p)

59-Pr-130

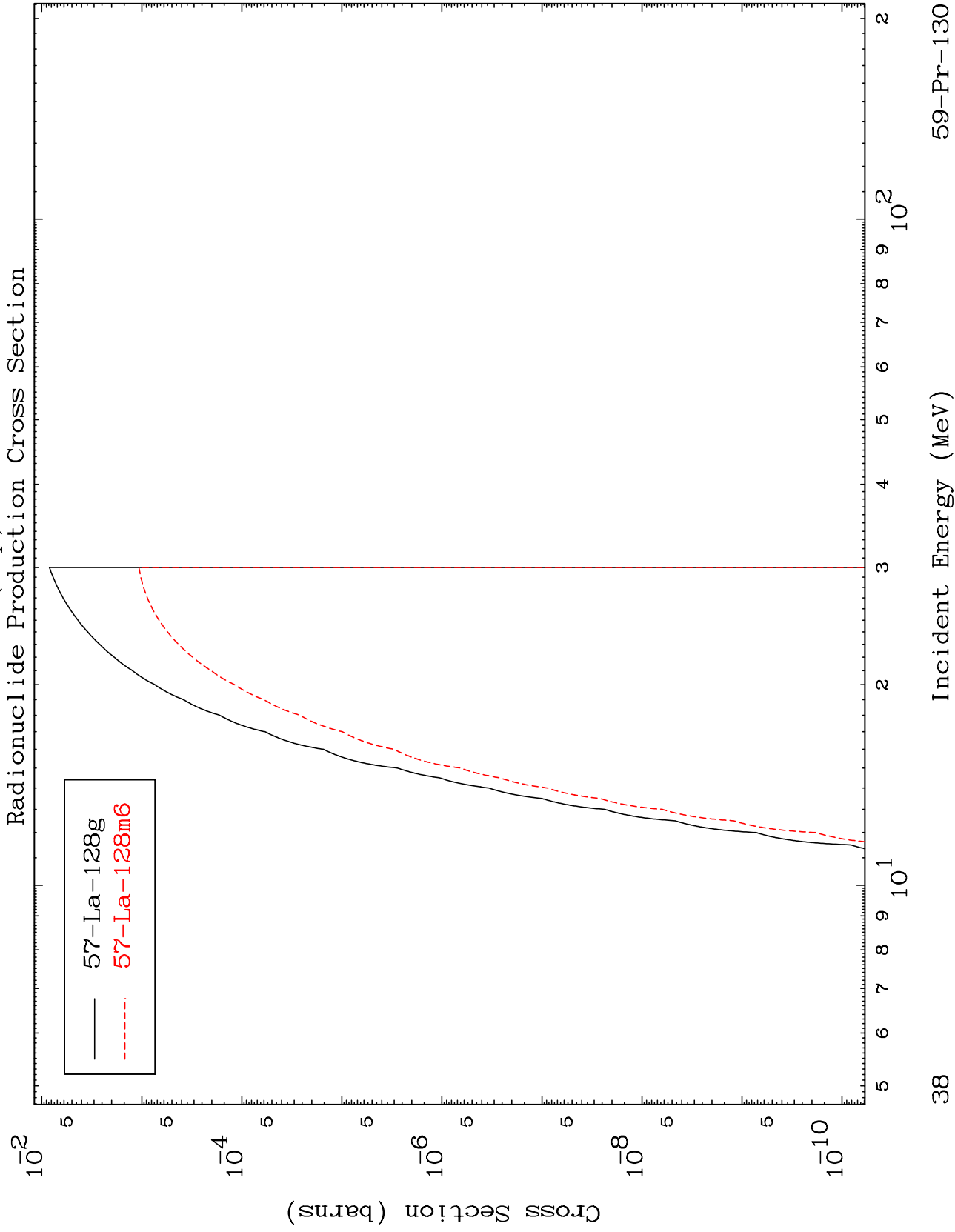
Radionuclide Production Cross Section



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(n,p) d

59-Pr-130



38

Radionuclide Production Cross Section

