

Program EVALPLOT
(Version 2015-2)

by

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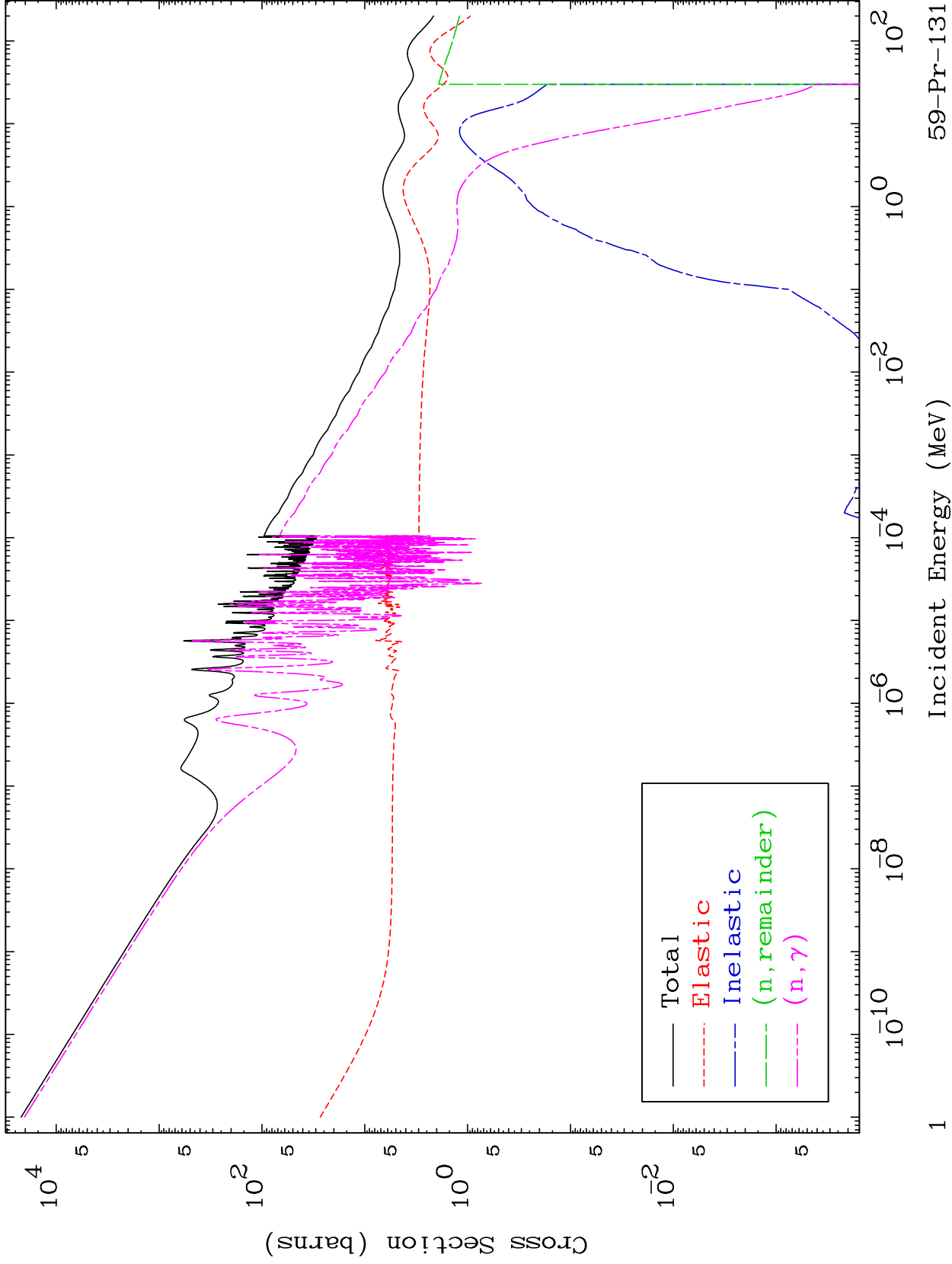
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5896

Major
293 Kelvin Cross Sections

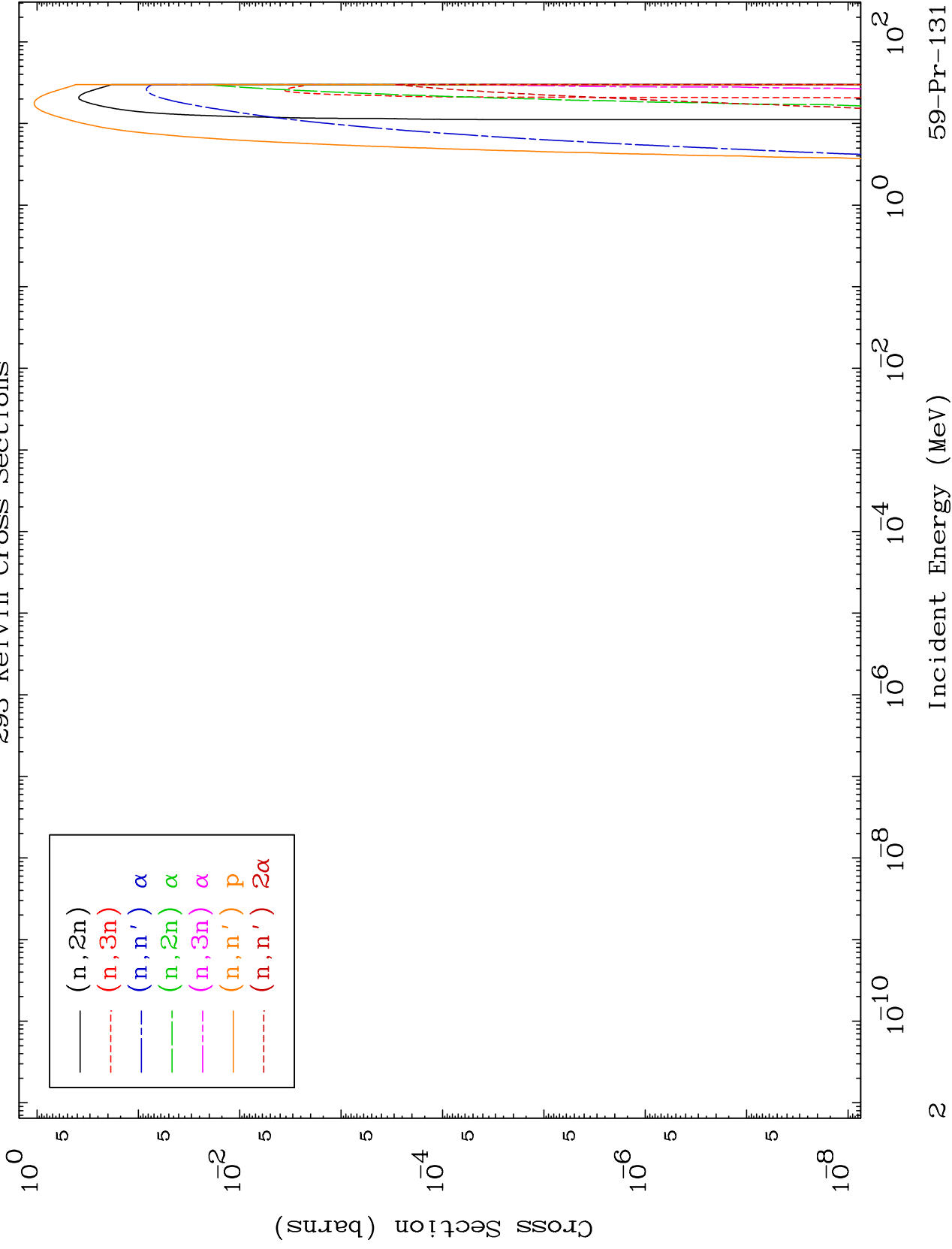
59-Pr-131

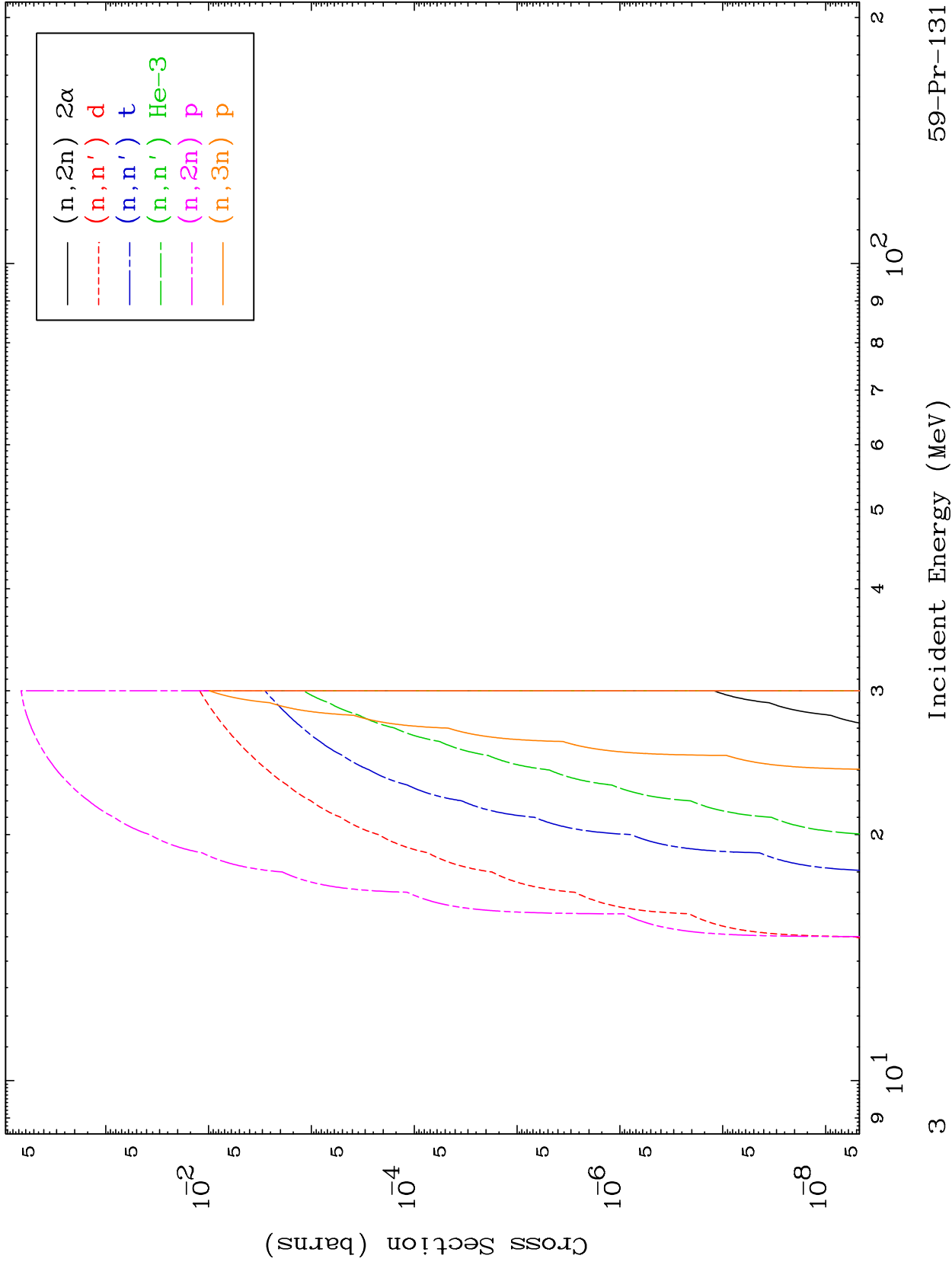


MAT 5896

Neutron Production
293 Kelvin Cross Sections

59-Pr-131

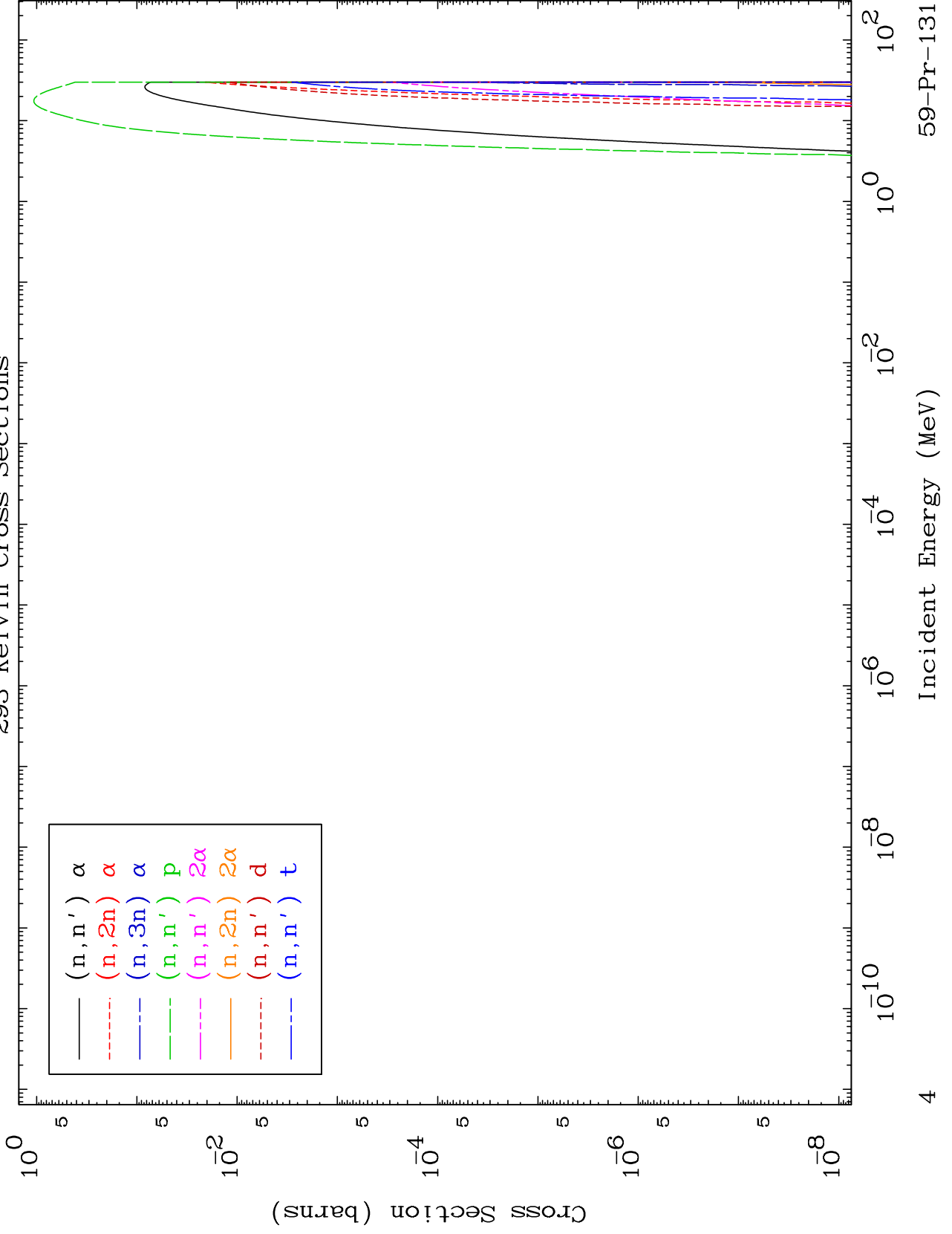


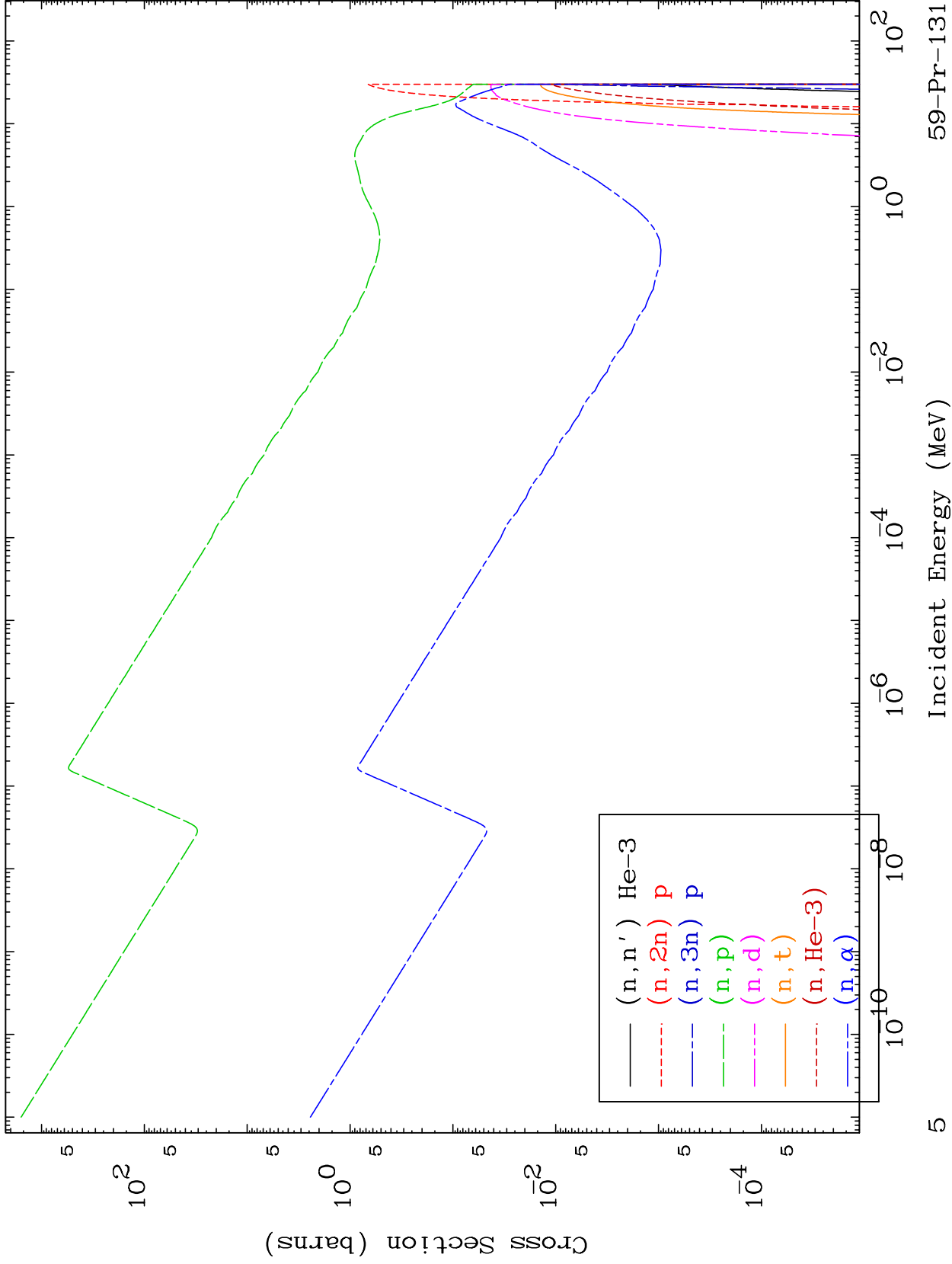


MAT 5896

Charged Particle
293 Kelvin Cross Sections

59-Pr-131

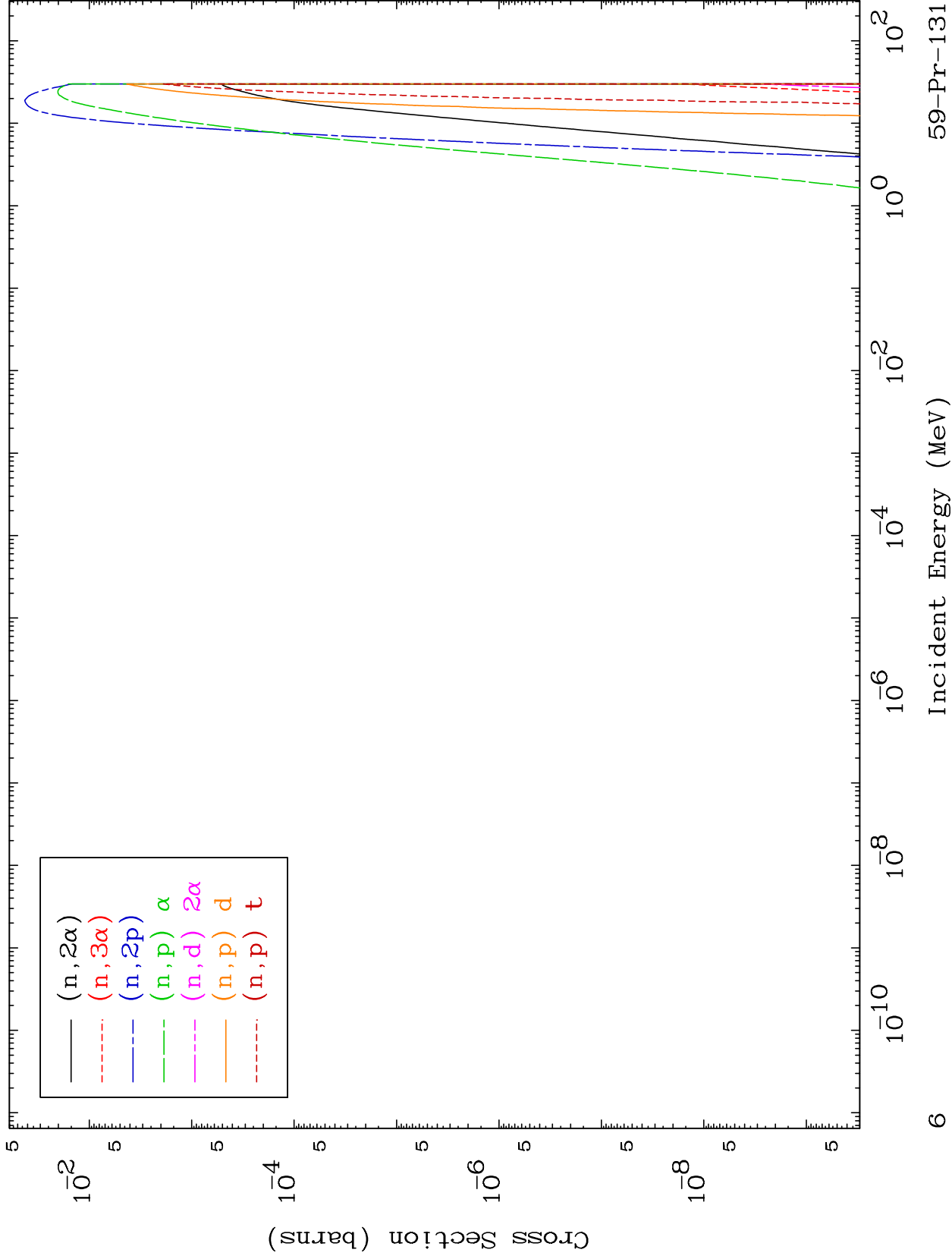


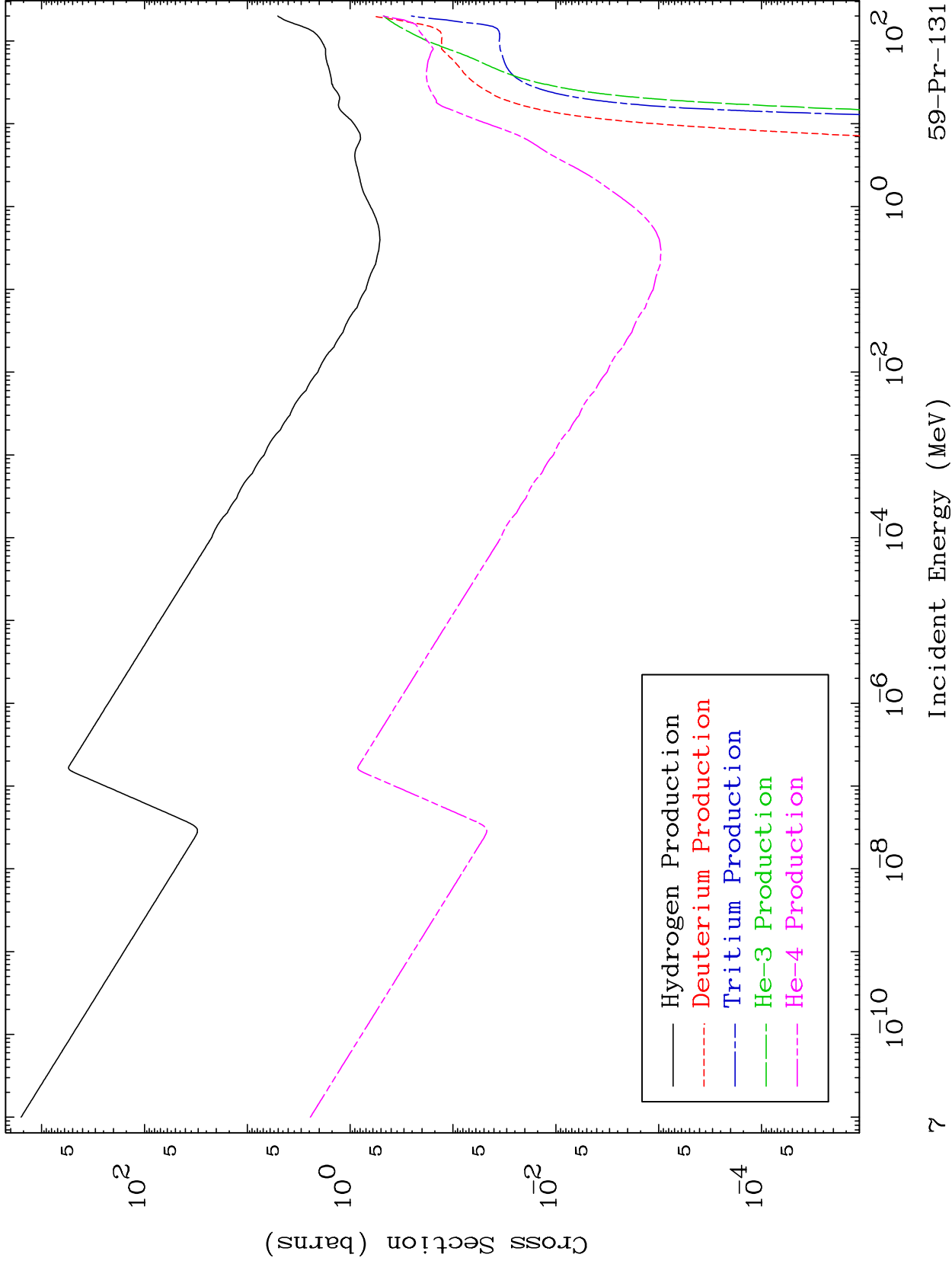


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Charged Particle
293 Kelvin Cross Sections

59-Pr-131

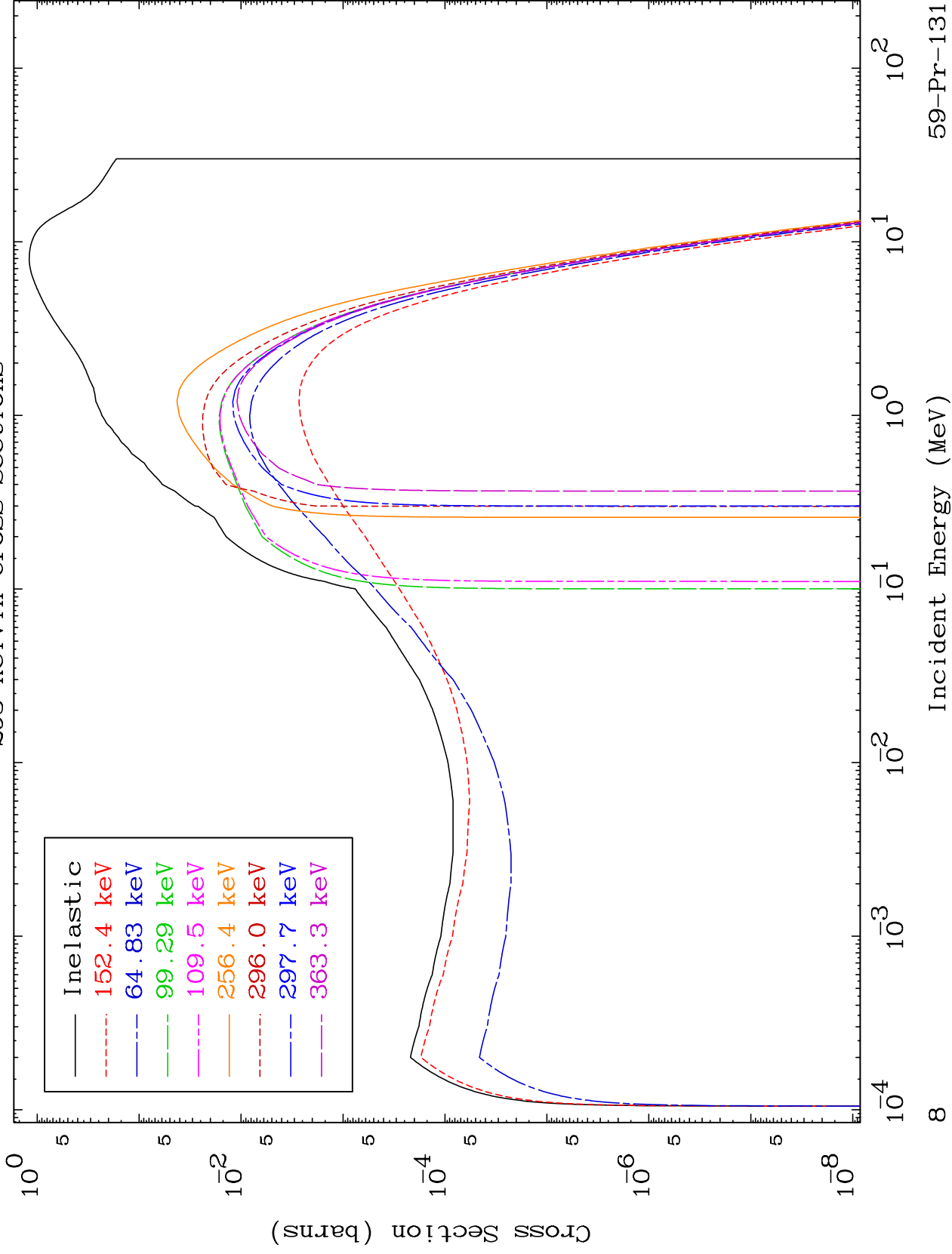




MAT 5896

(n,n') Level
293 Kelvin Cross Sections

59-Pr-131



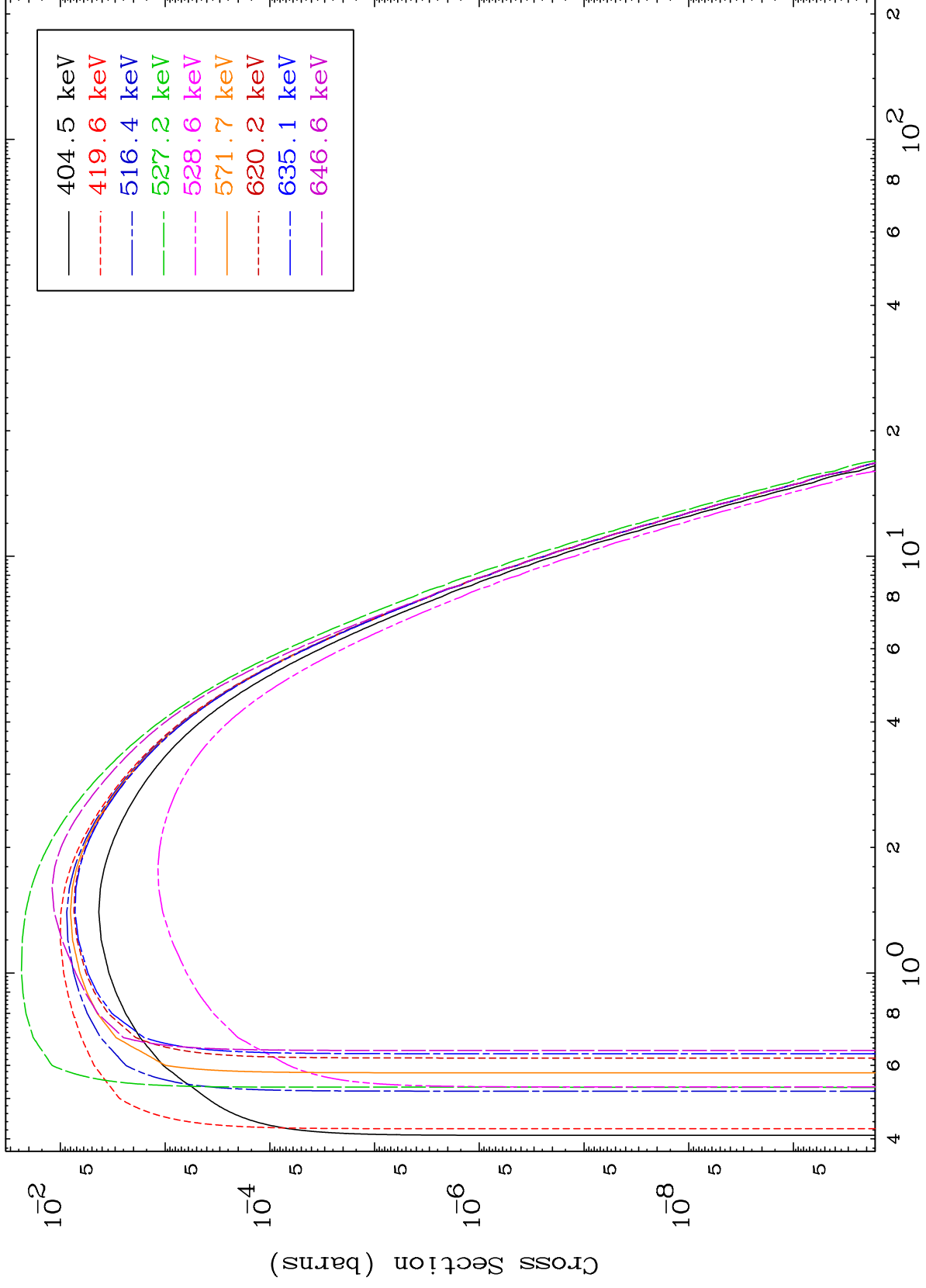
8

59-Pr-131

MAT 5896

(n,n') Level
293 Kelvin Cross Sections

59-Pr-131



9

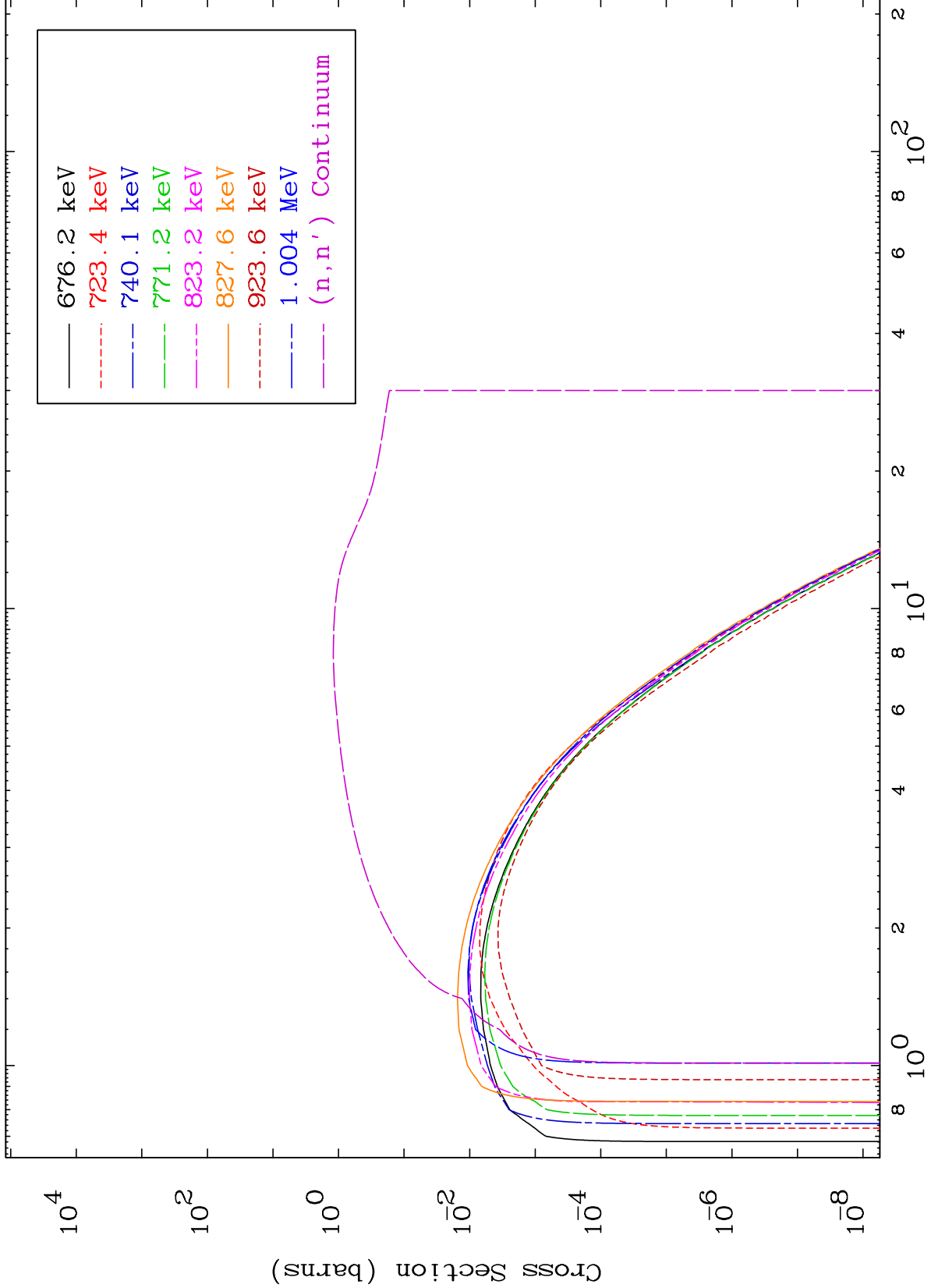
Incident Energy (MeV)

59-Pr-131

MAT 5896

(n,n') Level
293 Kelvin Cross Sections

59-Pr-131



10

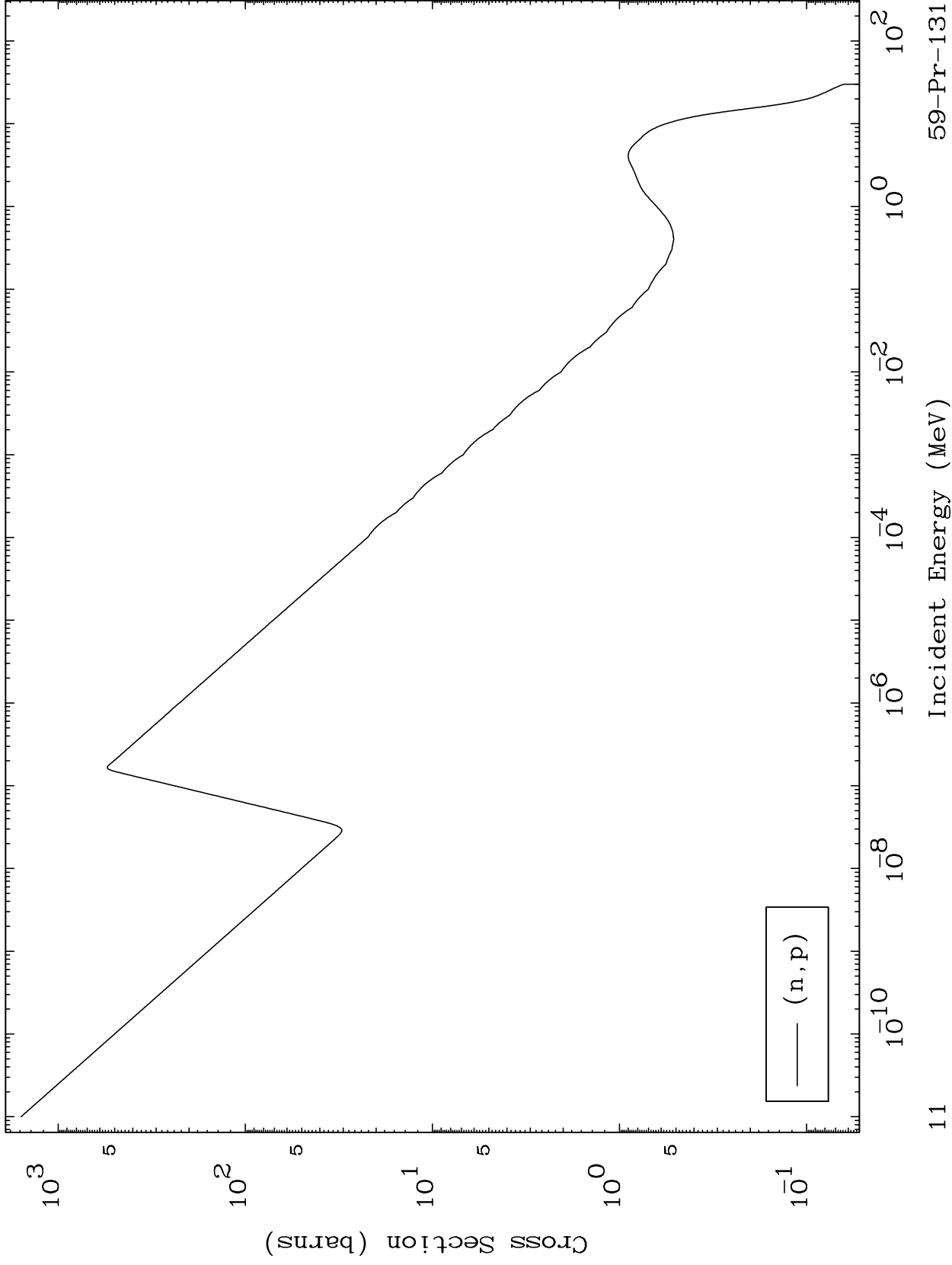
Incident Energy (MeV)

59-Pr-131

MAT 5896

(n,p) Levels
293 Kelvin Cross Sections

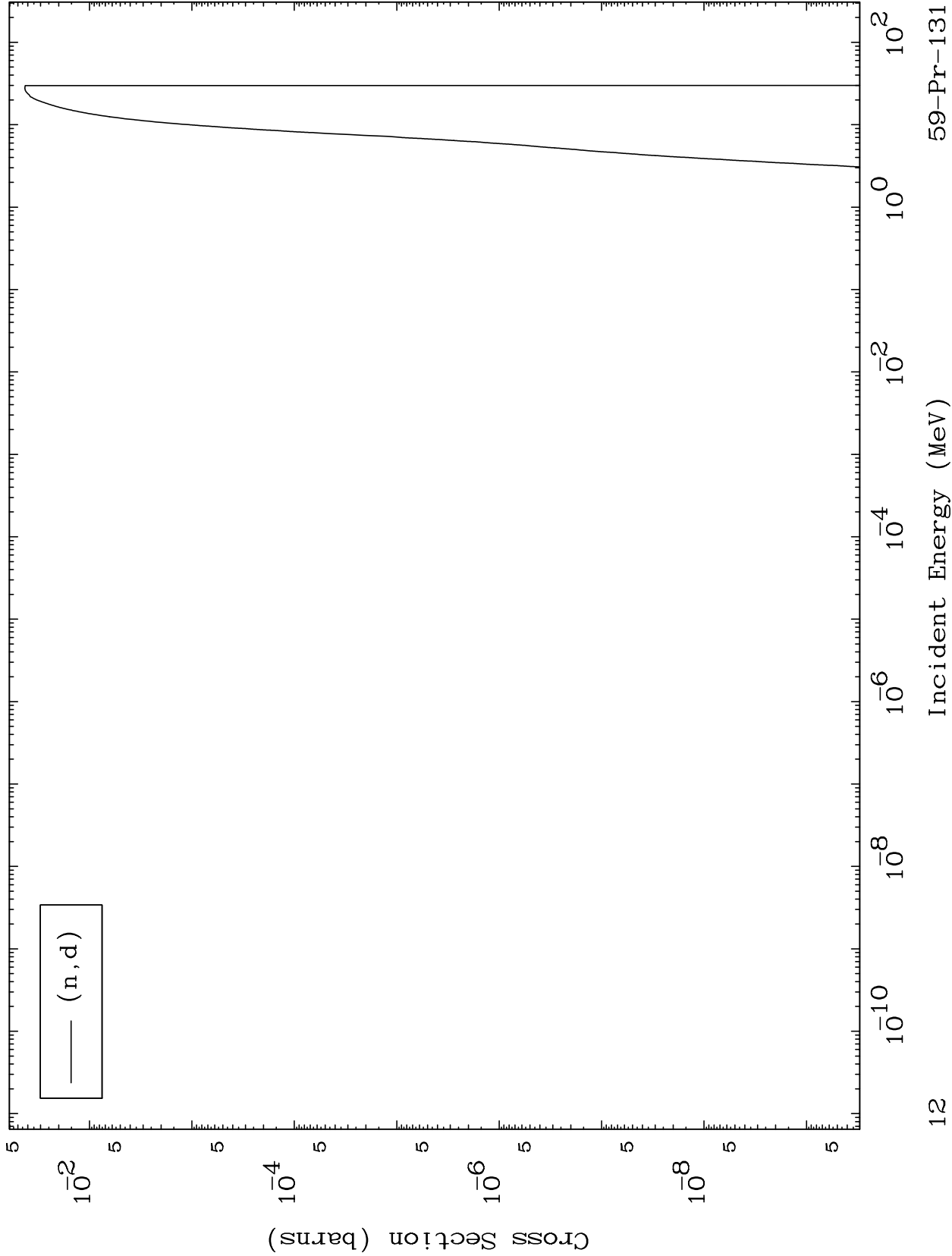
59-Pr-131



MAT 5896

(n,d) Levels
293 Kelvin Cross Sections

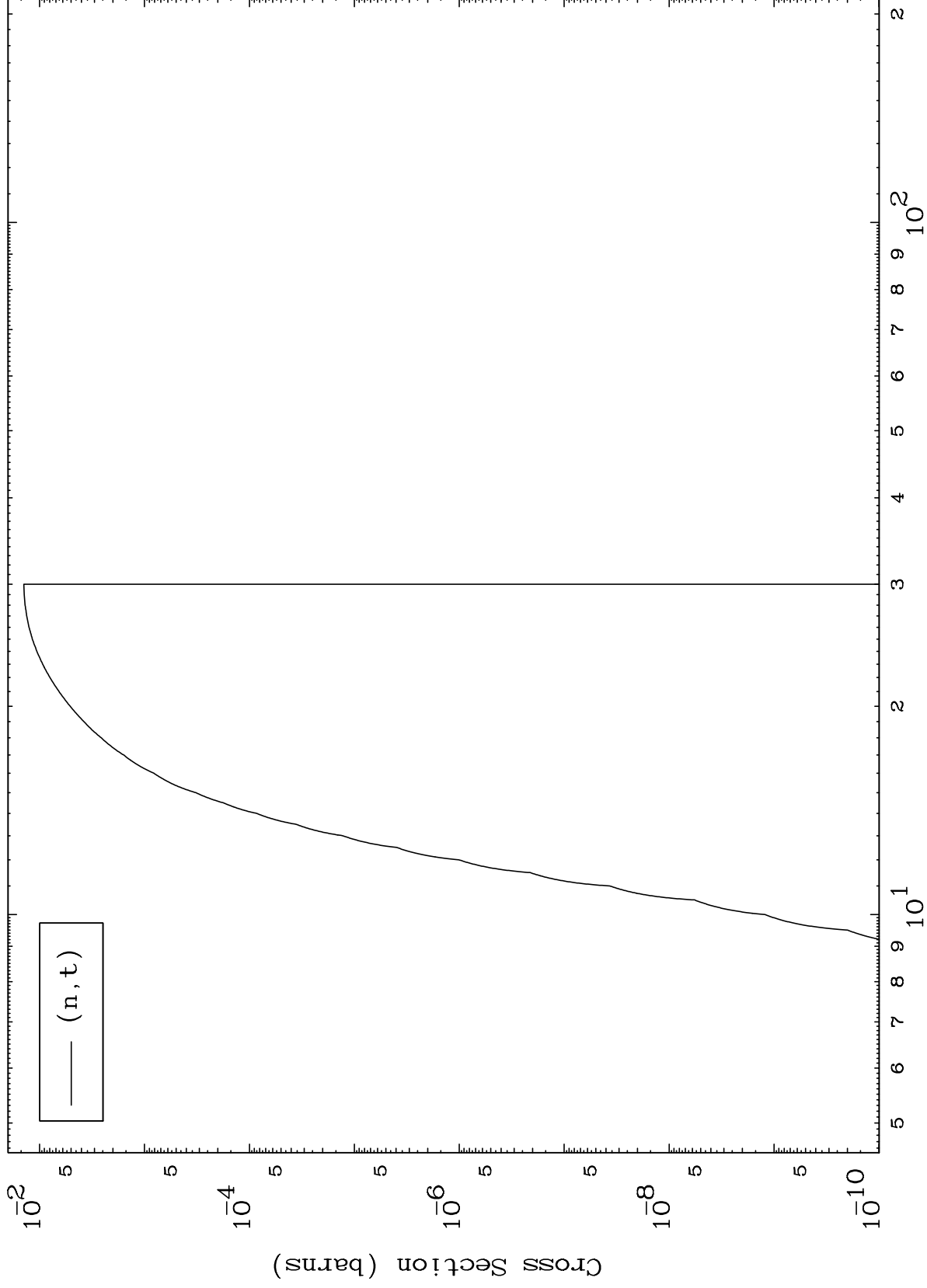
59-Pr-131



MAT 5896

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-131



13

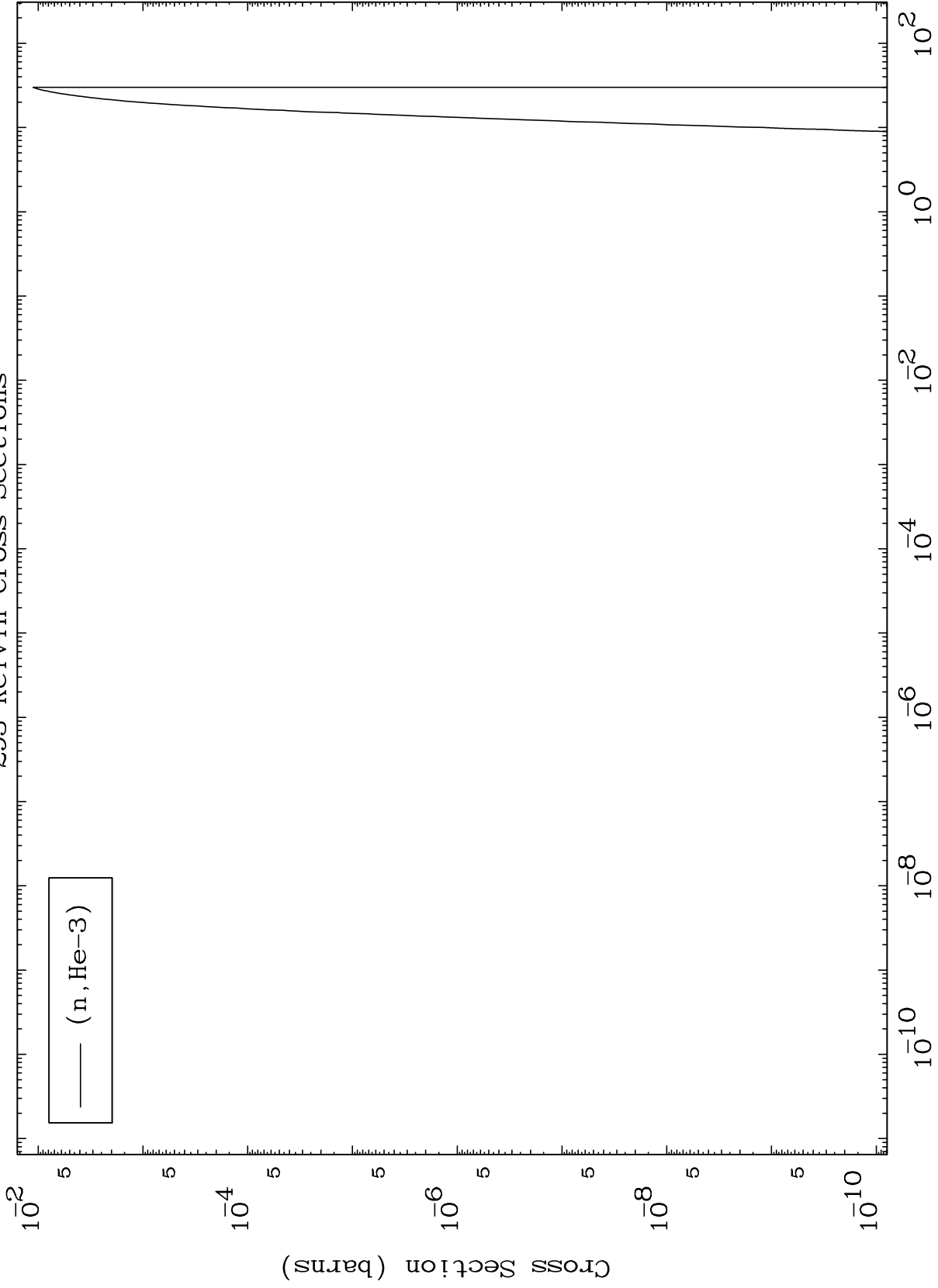
Incident Energy (MeV)

59-Pr-131

MAT 5896

(n,He3) Levels
293 Kelvin Cross Sections

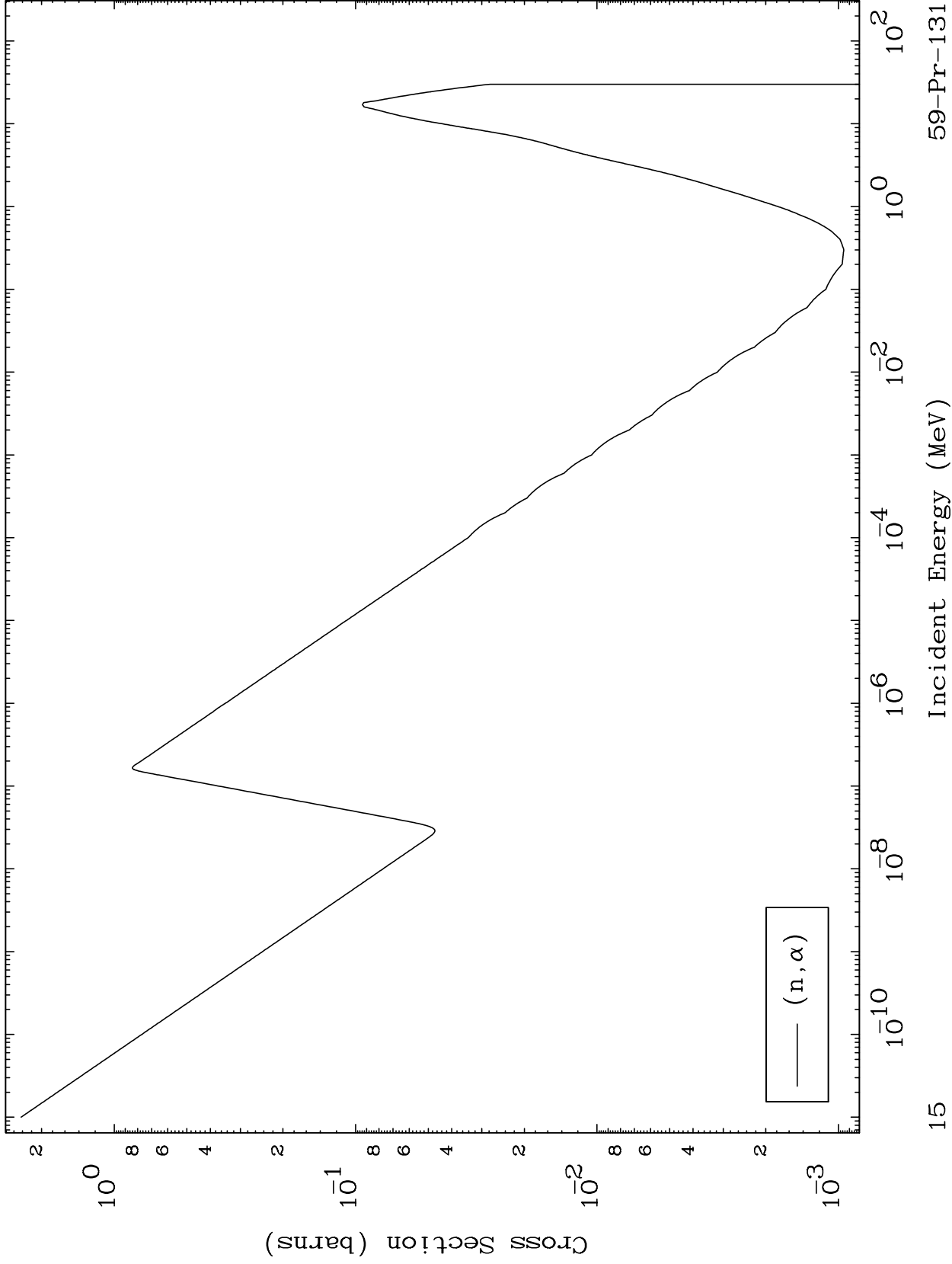
59-Pr-131



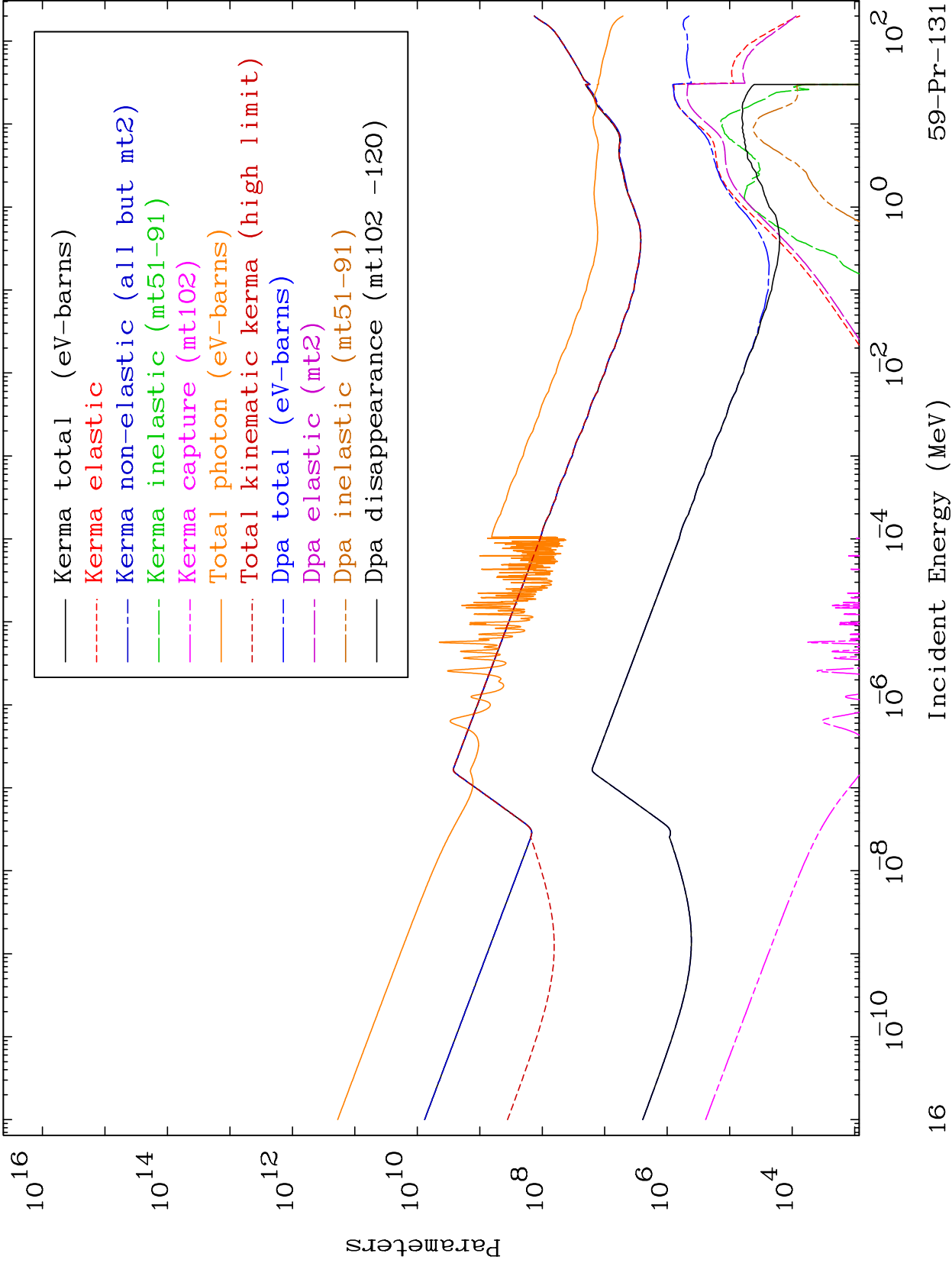
MAT 5896

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-131



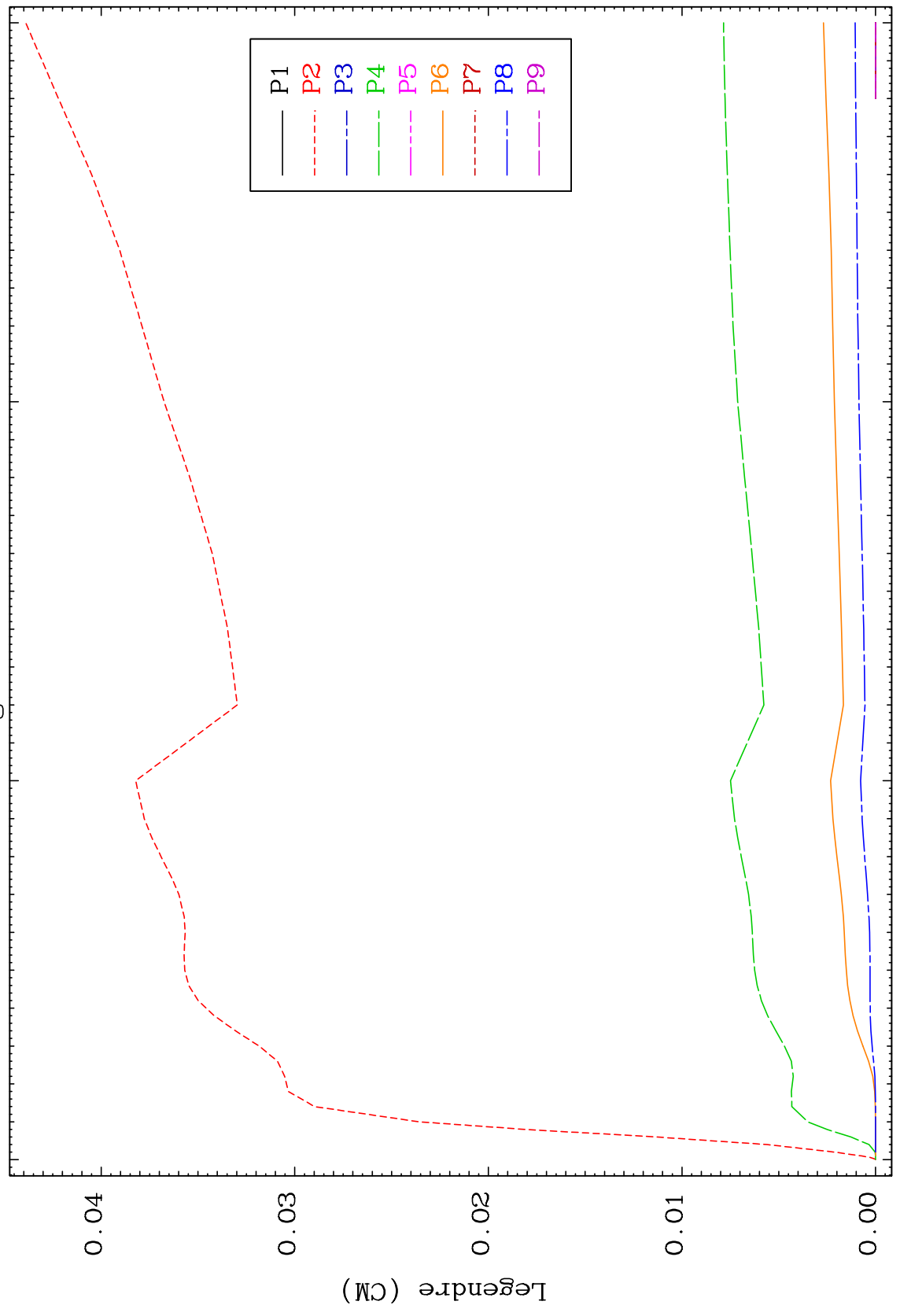
59-Pr-131



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Elastic Legendre Coefficients

59-Pr-131



17

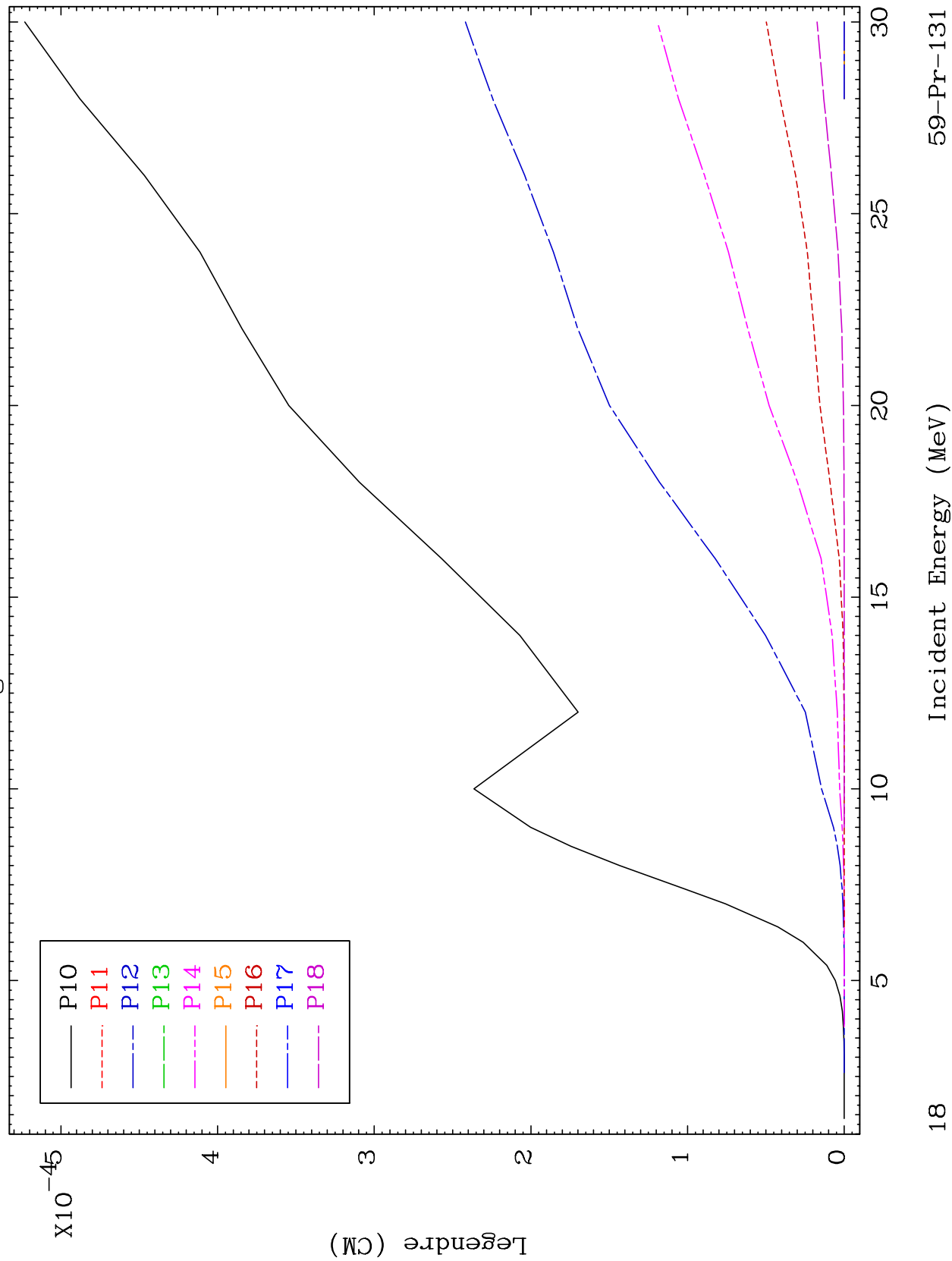
Incident Energy (MeV)

59-Pr-131

MAT 5896

Elastic Legendre Coefficients

59-Pr-131



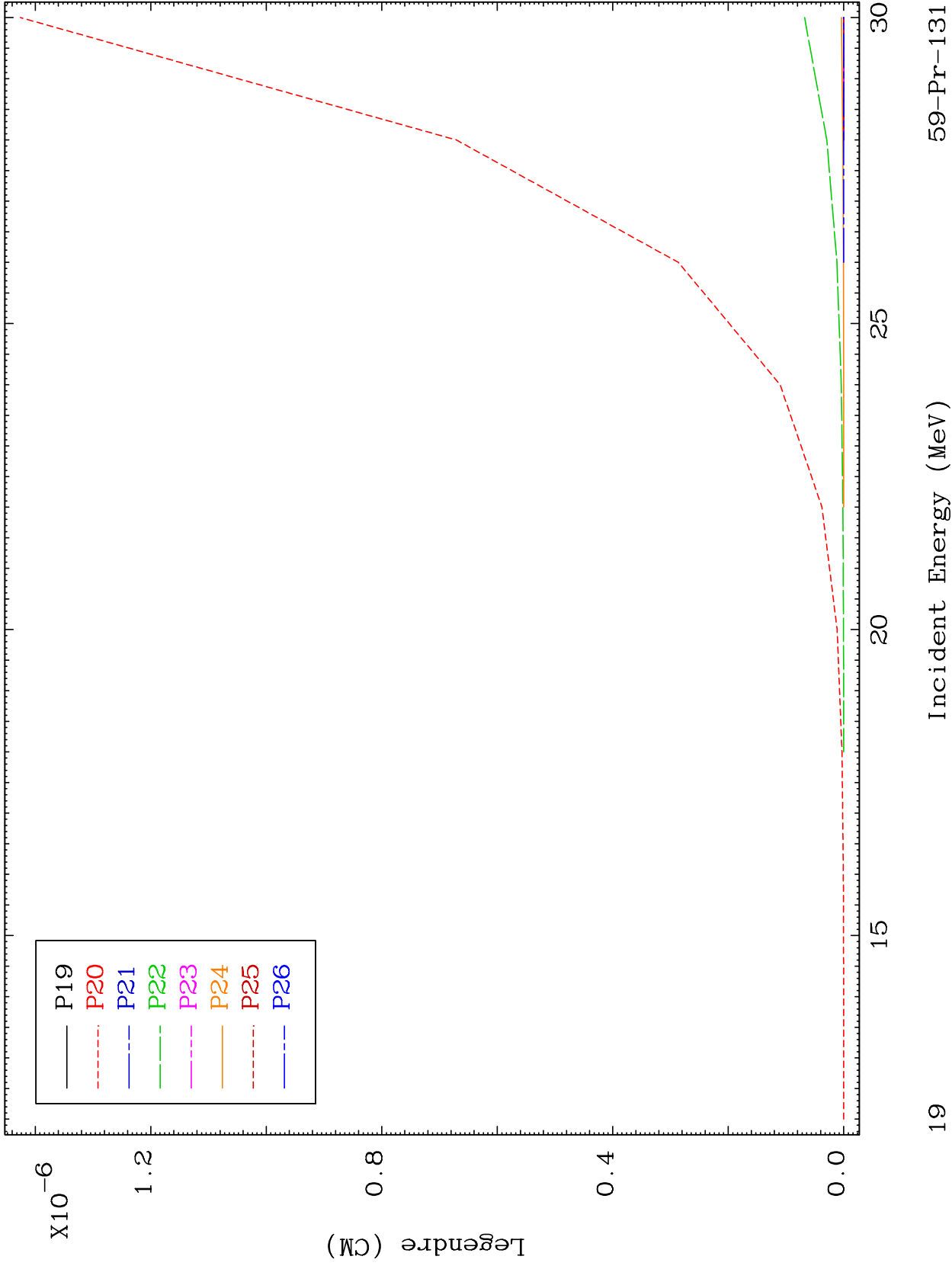
18

59-Pr-131

MAT 5896

Elastic Legendre Coefficients

59-Pr-131



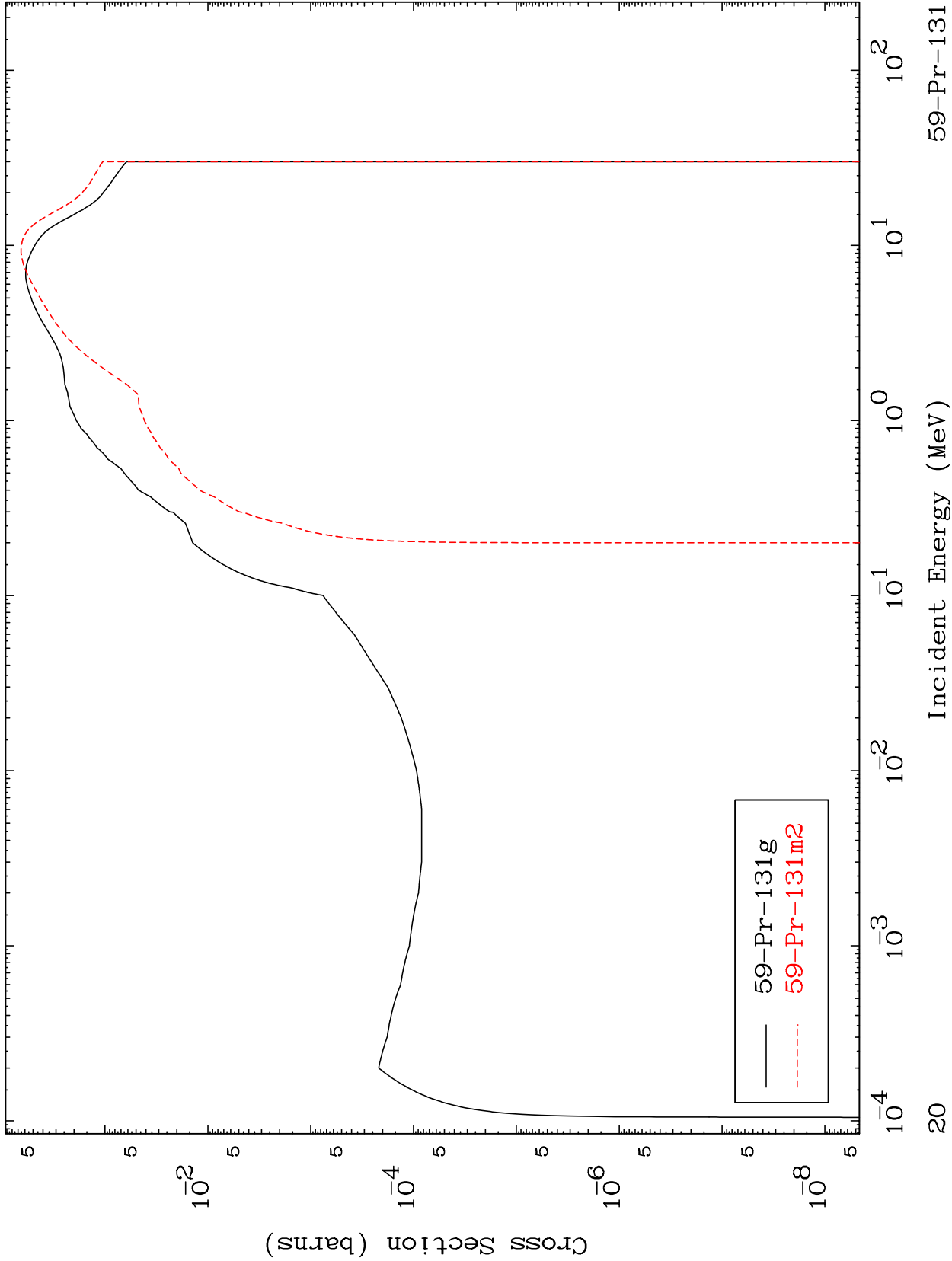
19

59-Pr-131

MAT 5896

59-Pr-131

Inelastic
Radionuclide Production Cross Section

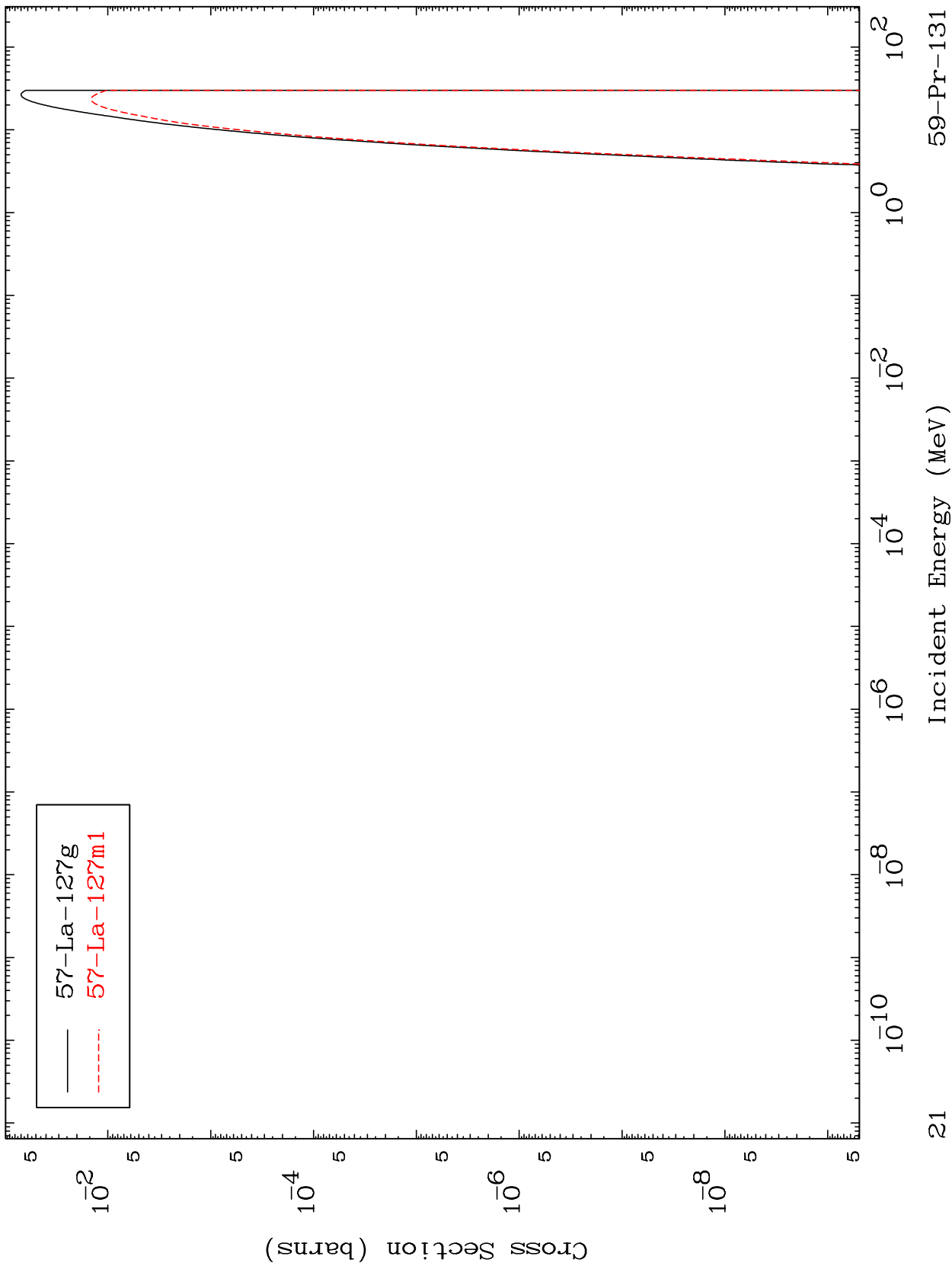


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$(n, n') \alpha$

59-Pr-131

Radionuclide Production Cross Section

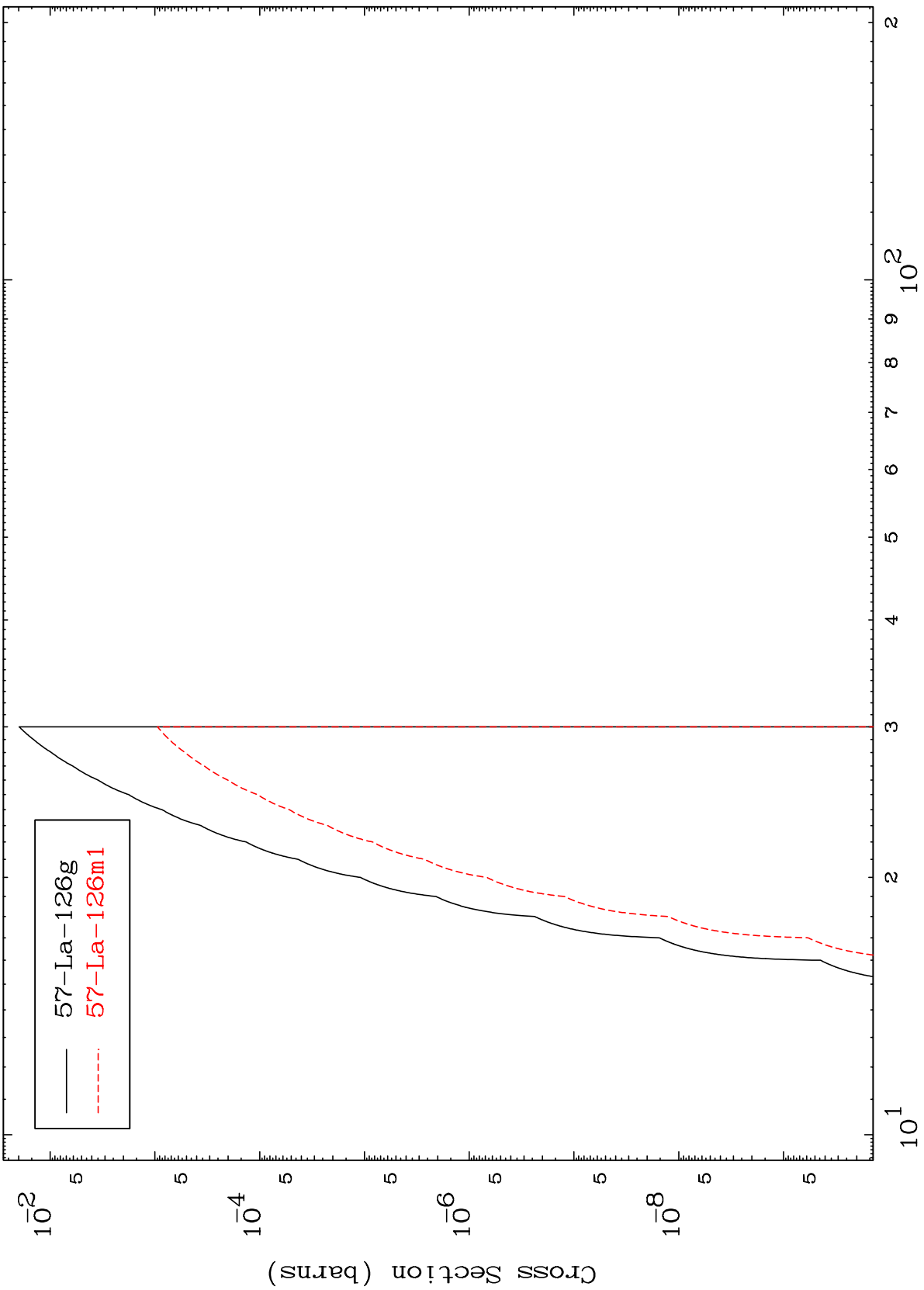


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$(n,2n) \alpha$

59-Pr-131

Radionuclide Production Cross Section



57-La-126g
57-La-126m1

22

Incident Energy (MeV)

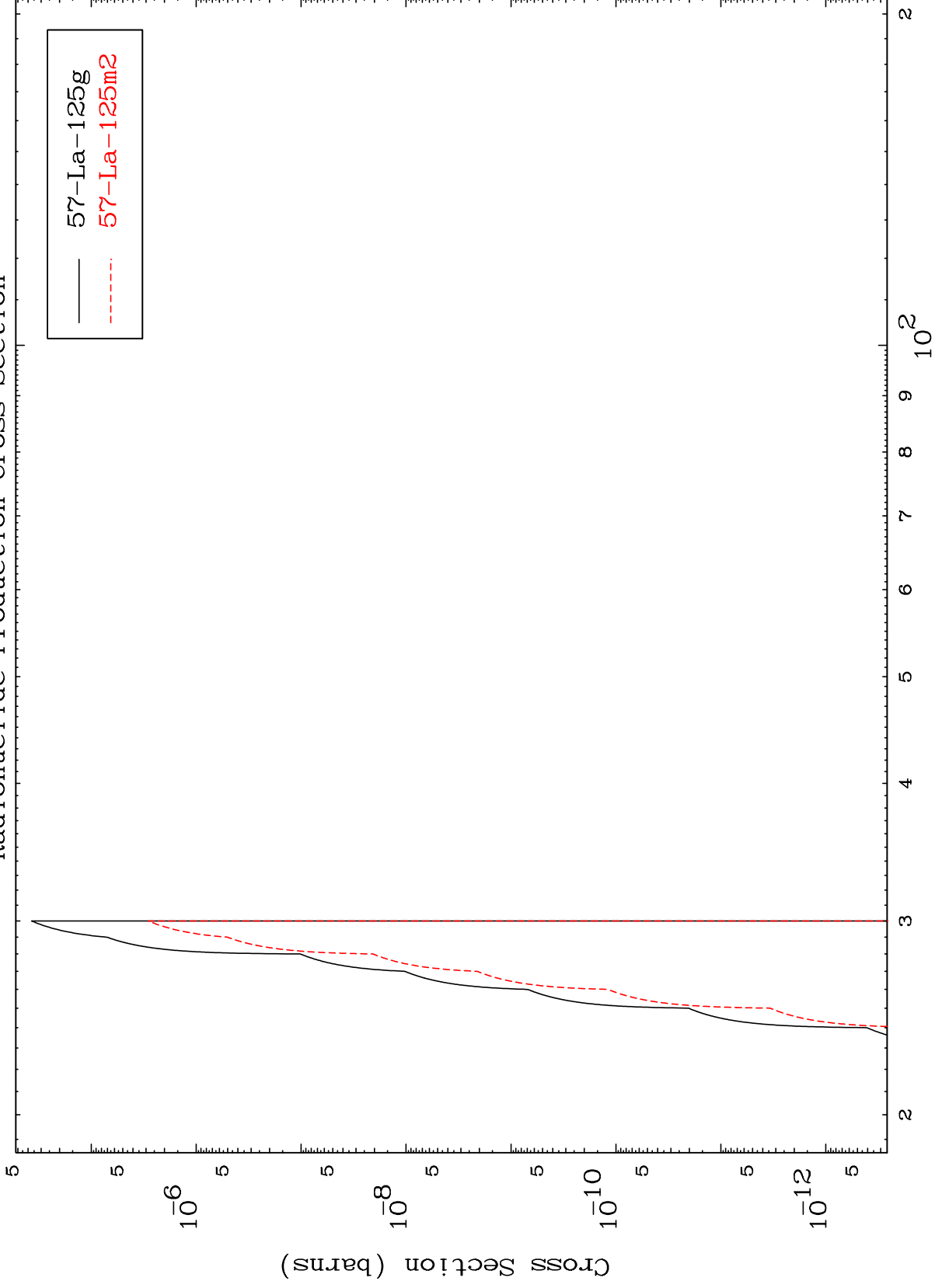
59-Pr-131

MAT 5896

(n,3n) α

59-Pr-131

Radionuclide Production Cross Section



23

Incident Energy (MeV)

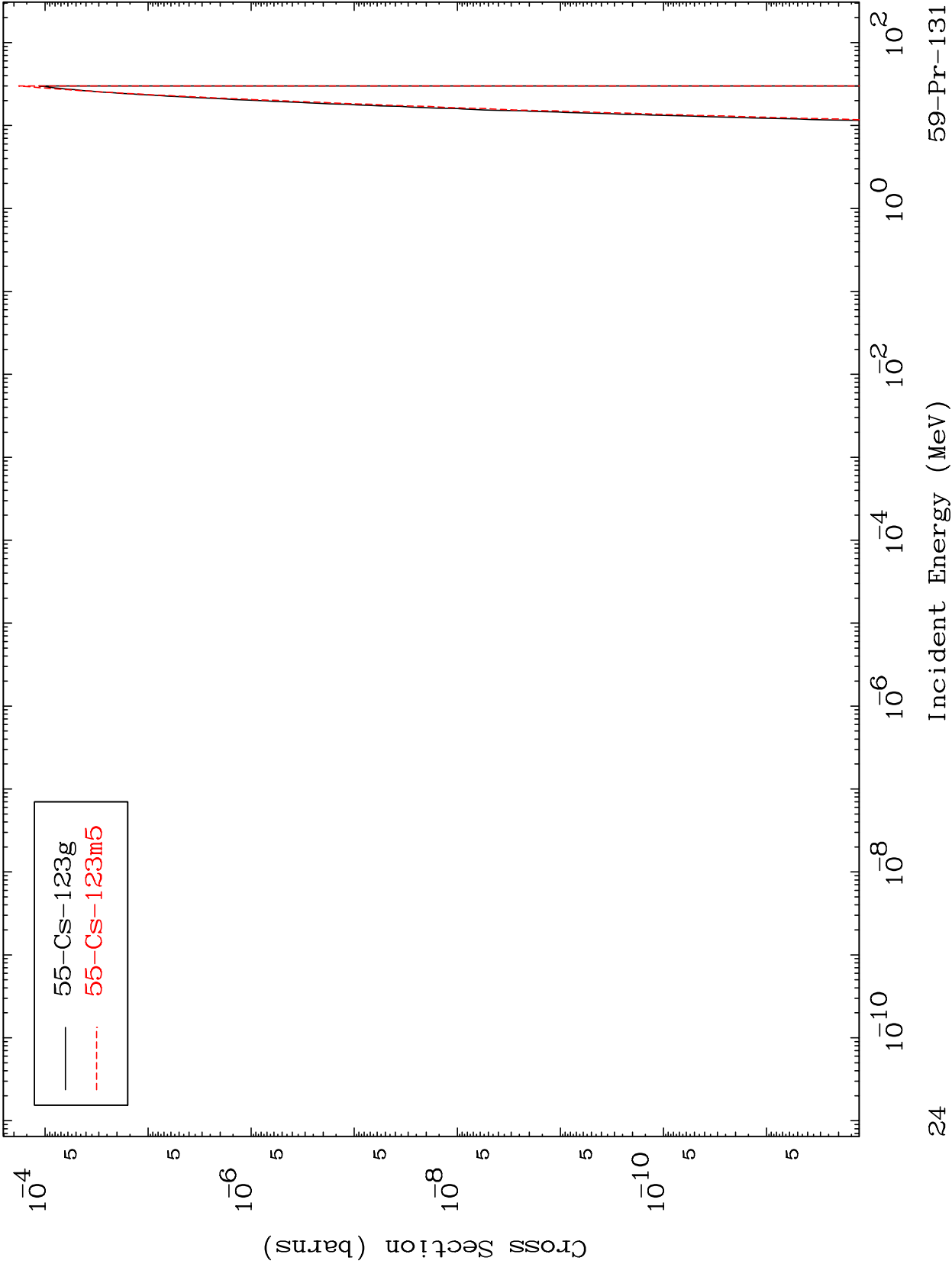
59-Pr-131

MAT 5896

(n,n') 2α

59-Pr-131

Radionuclide Production Cross Section

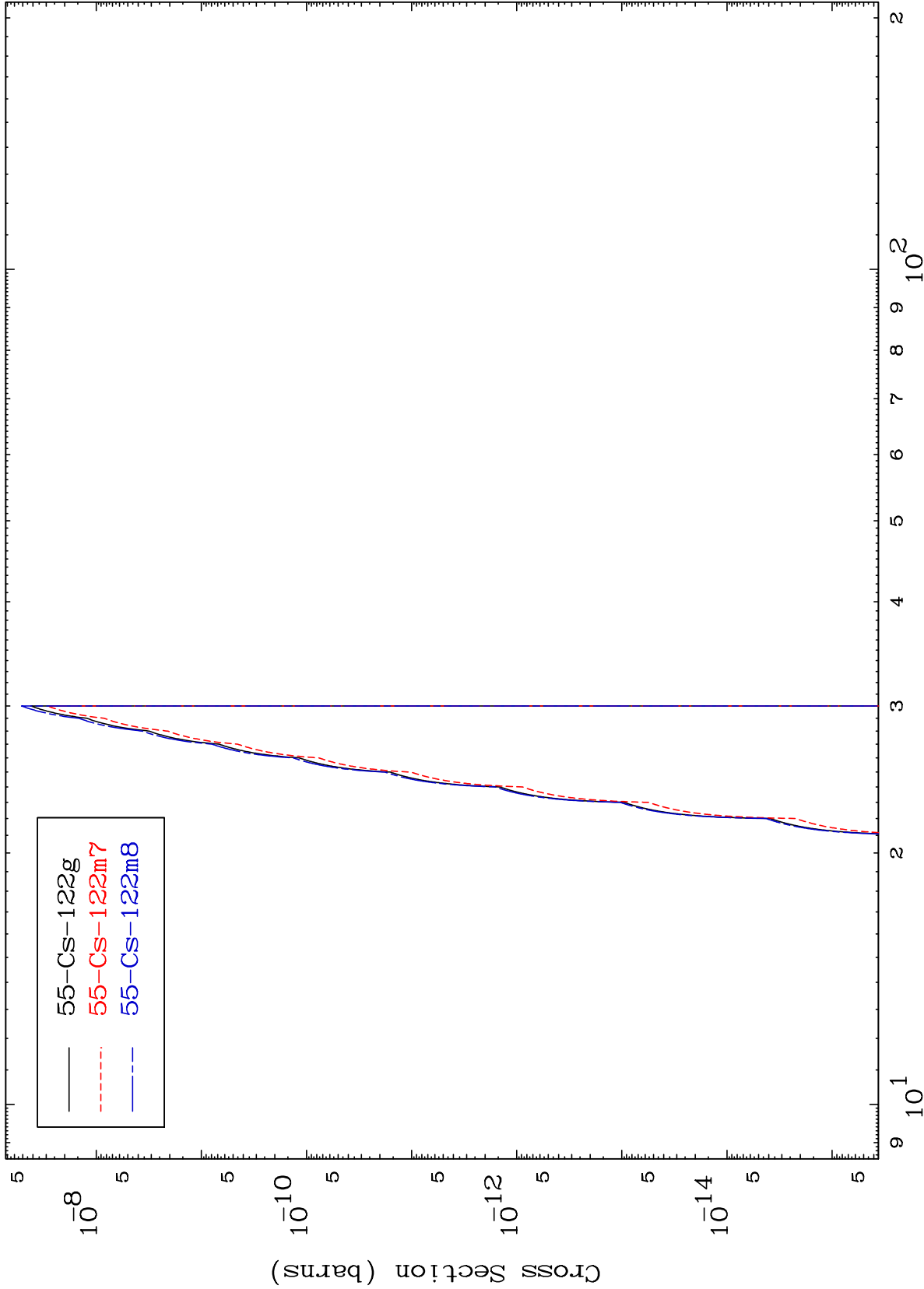


MAT 5896

(n,2n) 2α

59-Pr-131

Radionuclide Production Cross Section



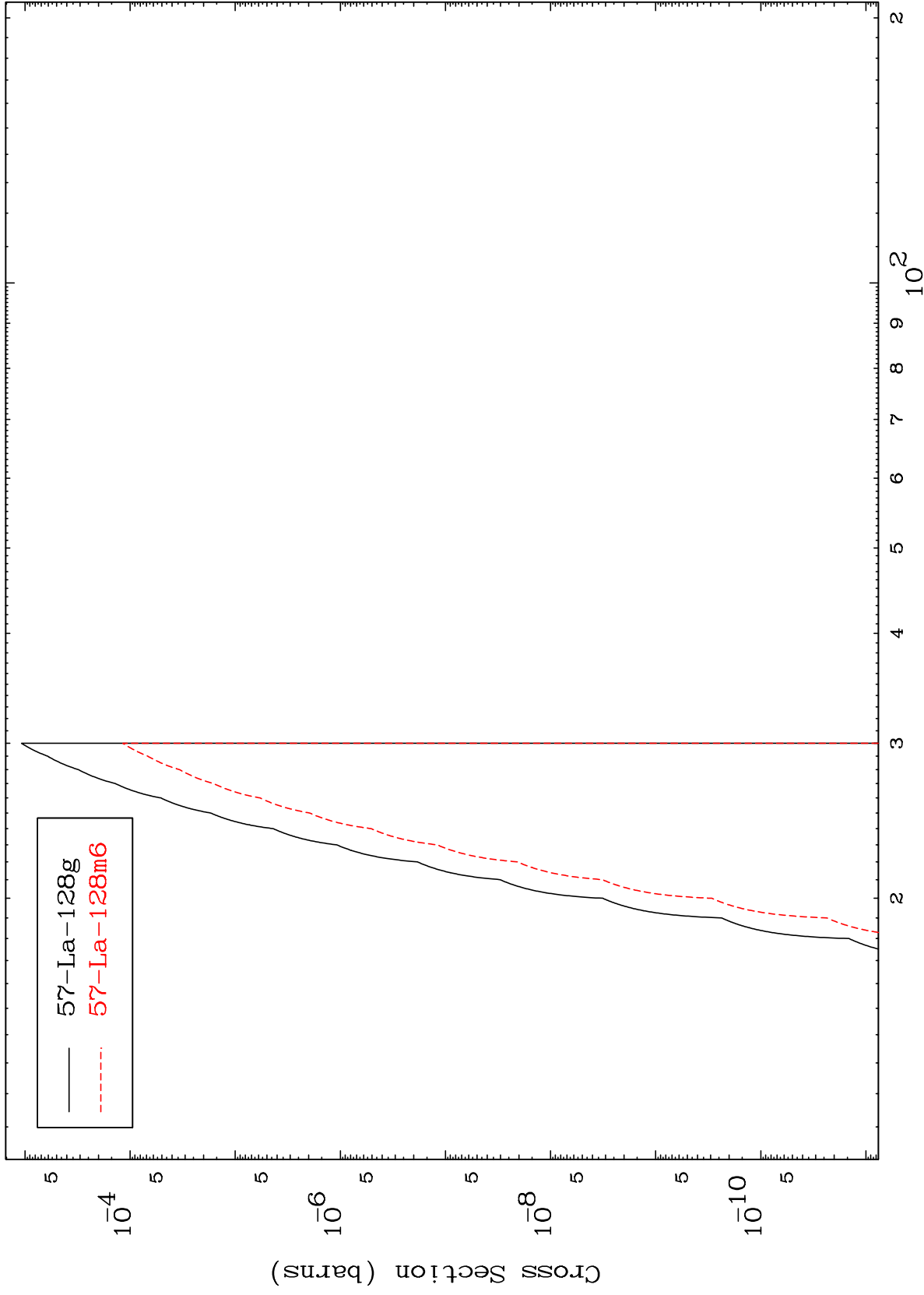
55-Cs-122g
55-Cs-122m7
55-Cs-122m8

25

Incident Energy (MeV)

59-Pr-131

Radionuclide Production Cross Section

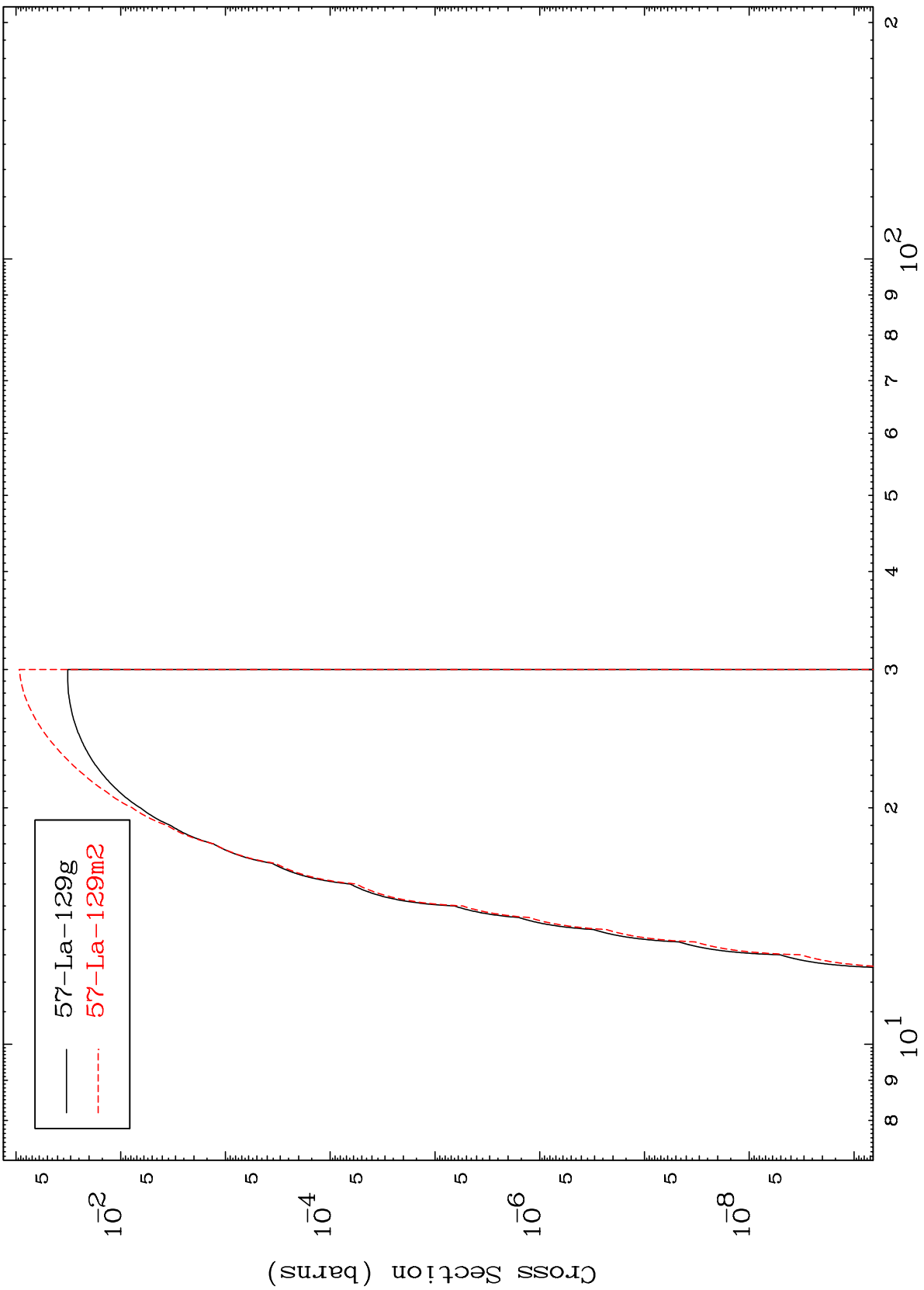


MAT 5896

(n,2n) p

59-Pr-131

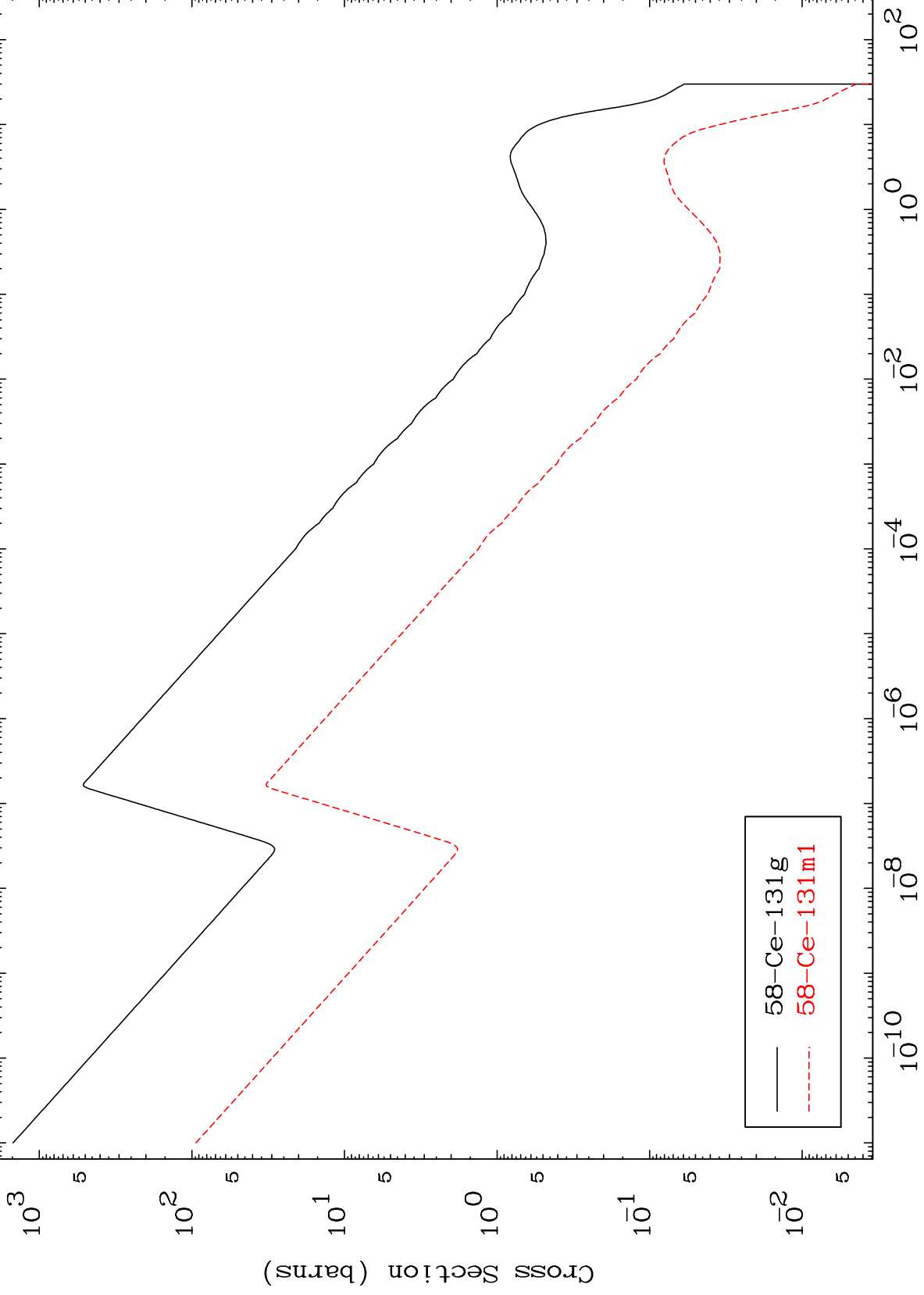
Radionuclide Production Cross Section



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59-Pr-131

(n,p)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

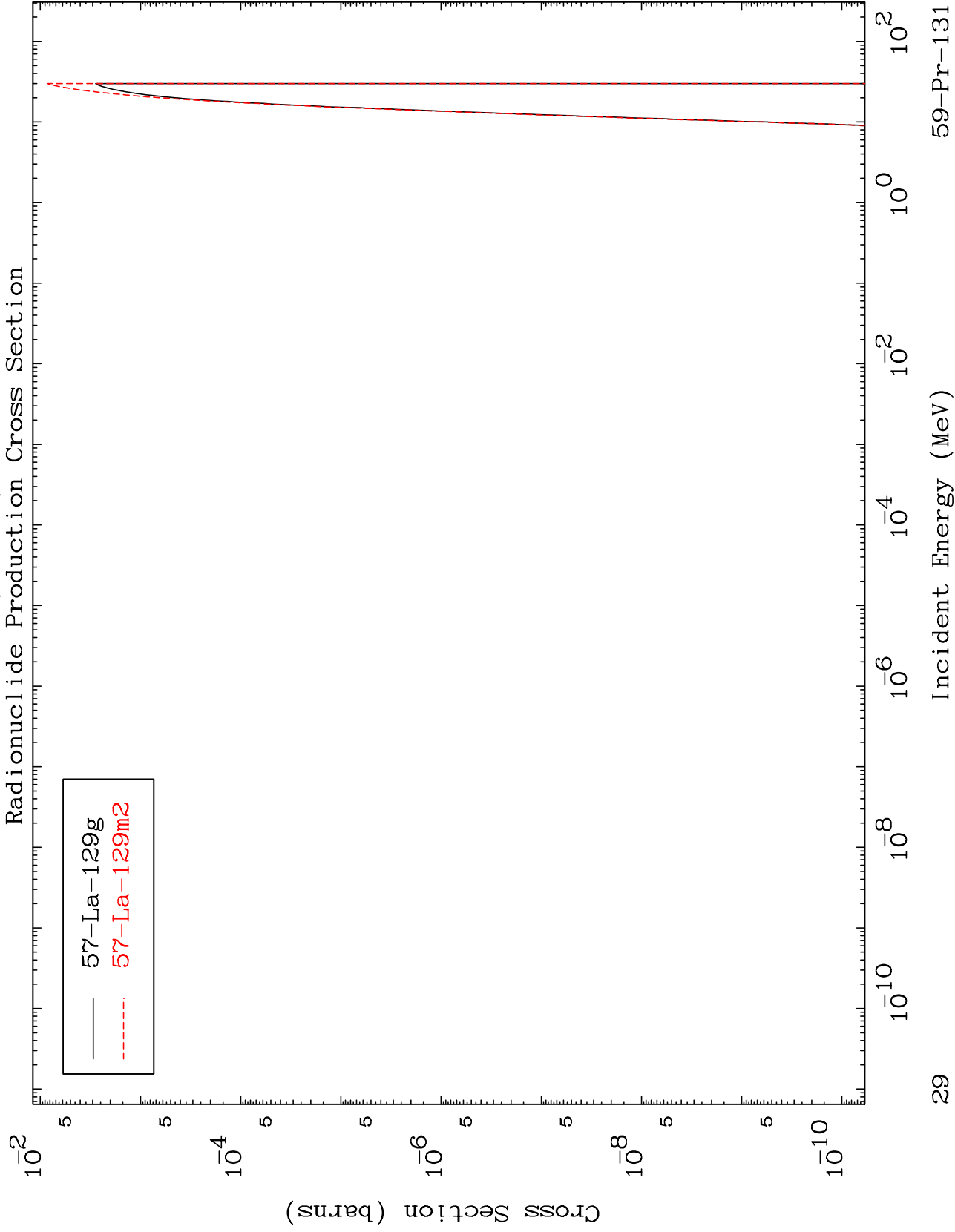
59-Pr-131

MAT 5896

(n,He-3)

59-Pr-131

Radionuclide Production Cross Section



29

Incident Energy (MeV)

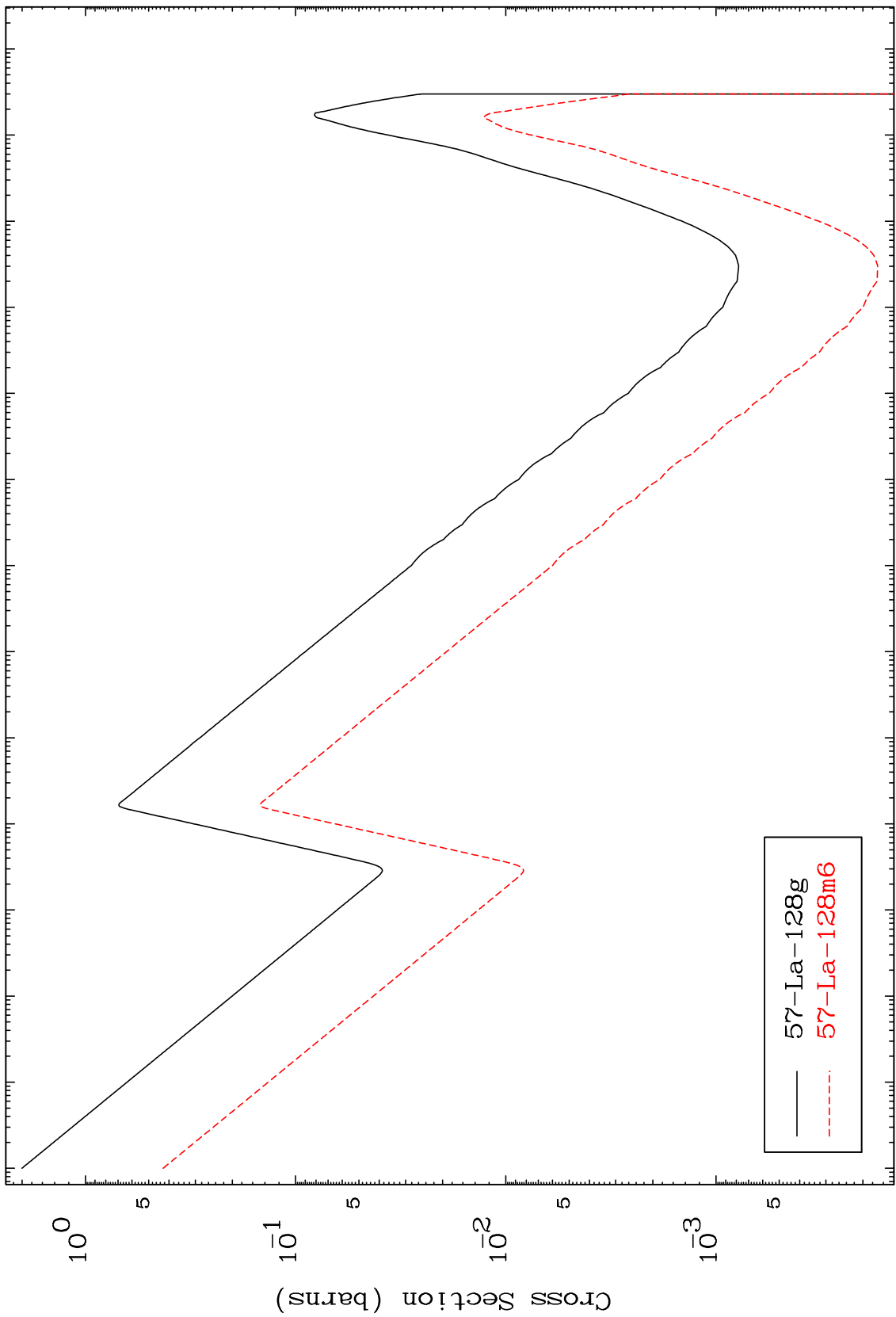
59-Pr-131

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59-Pr-131

Radionuclide Production Cross Section

(n, α)



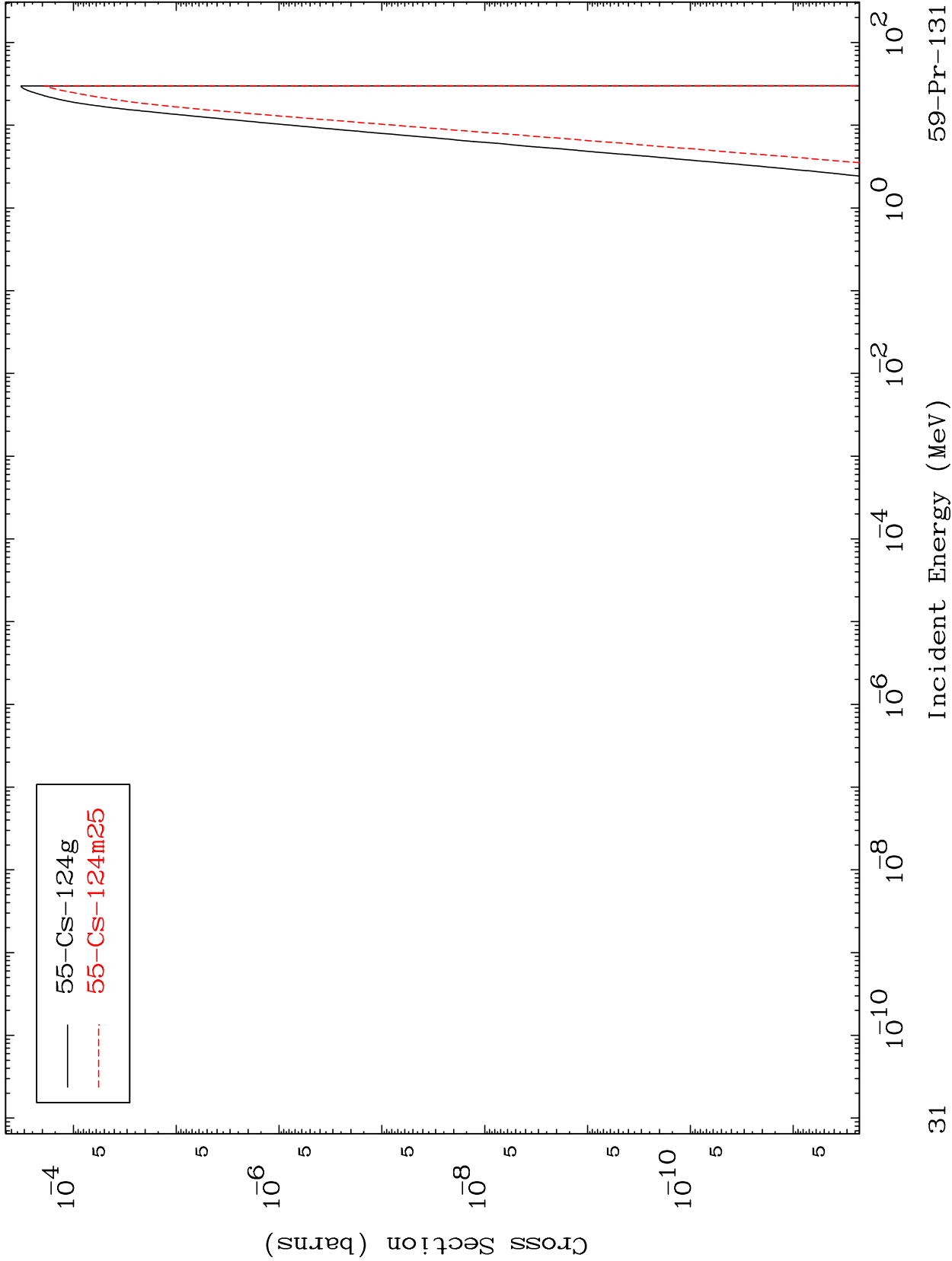
— 57-La-128g
- - - 57-La-128m6

MAT 5896

(n,2α)

59-Pr-131

Radionuclide Production Cross Section



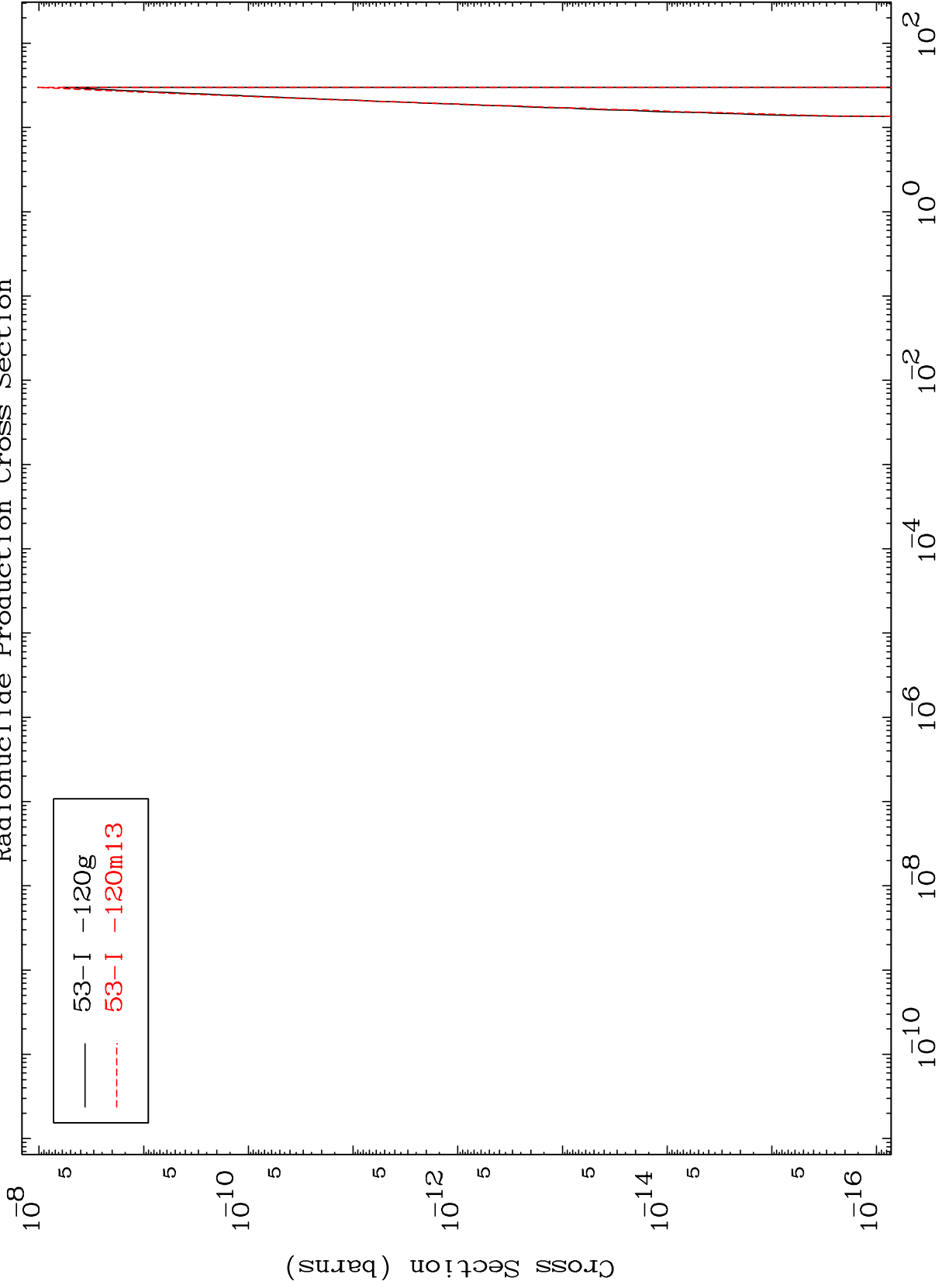
55-Cs-124g
55-Cs-124m25

MAT 5896

(n,3 α)

59-Pr-131

Radionuclide Production Cross Section



32

Incident Energy (MeV)

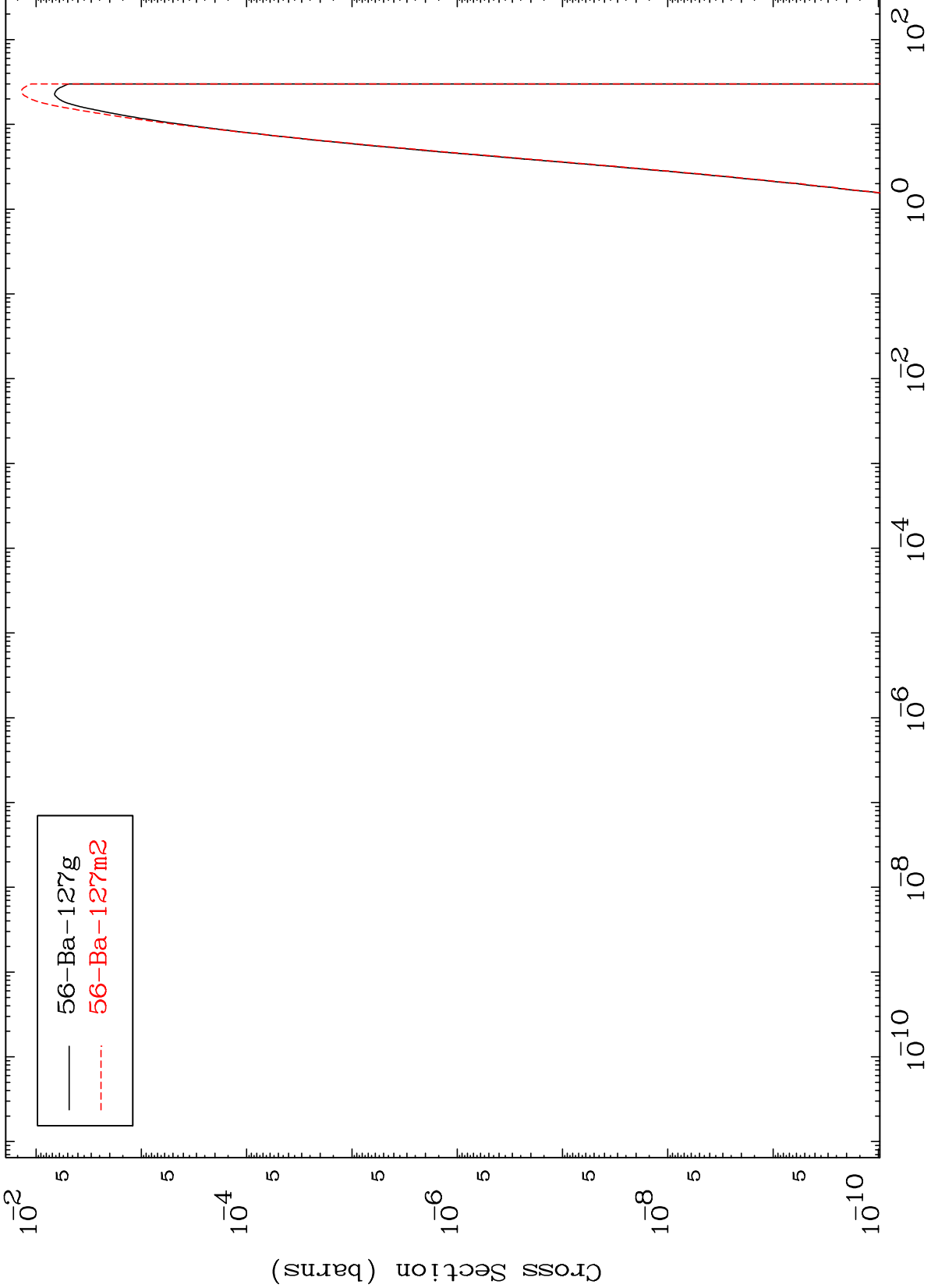
59-Pr-131

MAT 5896

(n,p) α

59-Pr-131

Radionuclide Production Cross Section

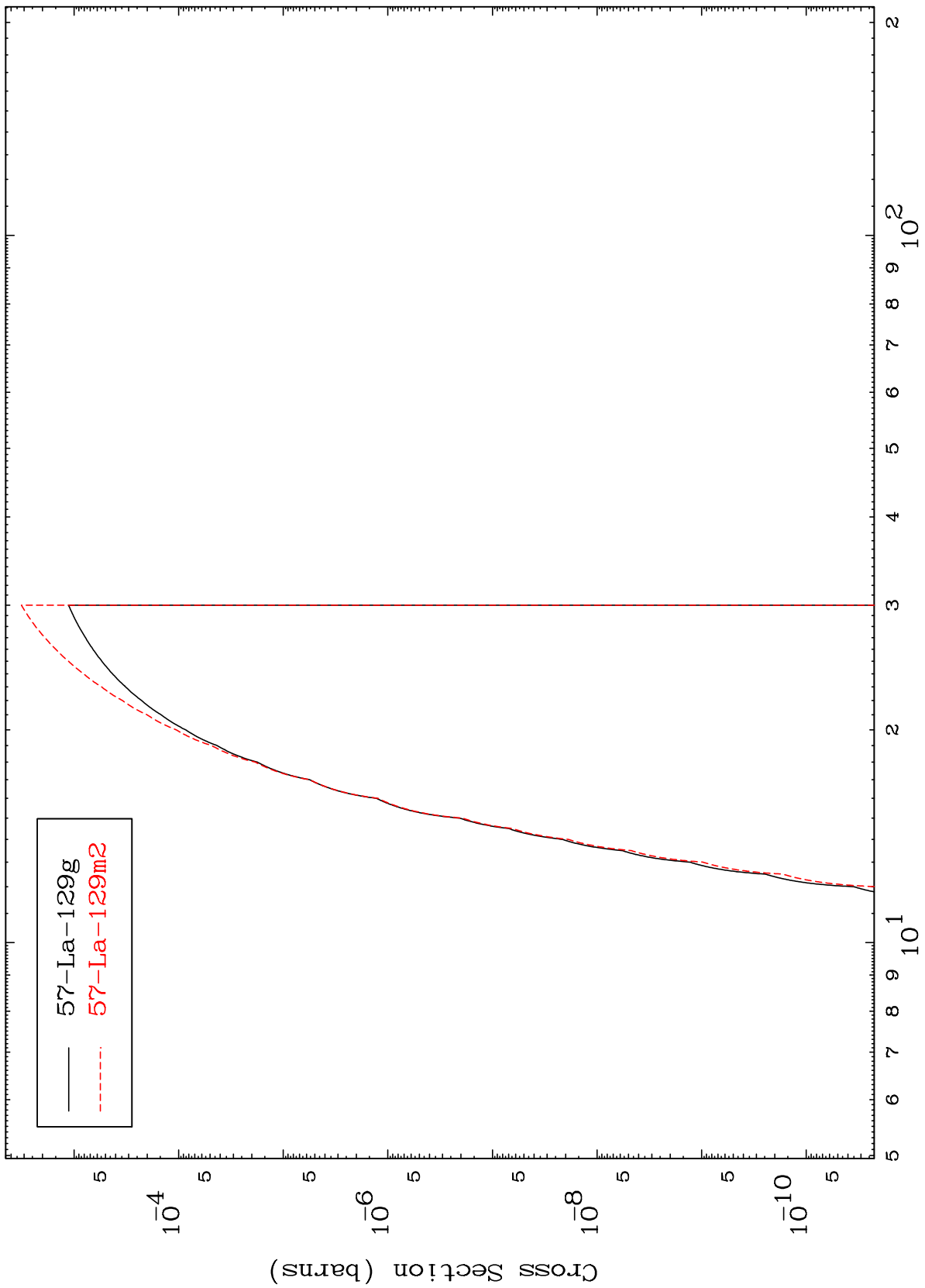


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(n,p) d

59-Pr-131

Radionuclide Production Cross Section



34

Incident Energy (MeV)

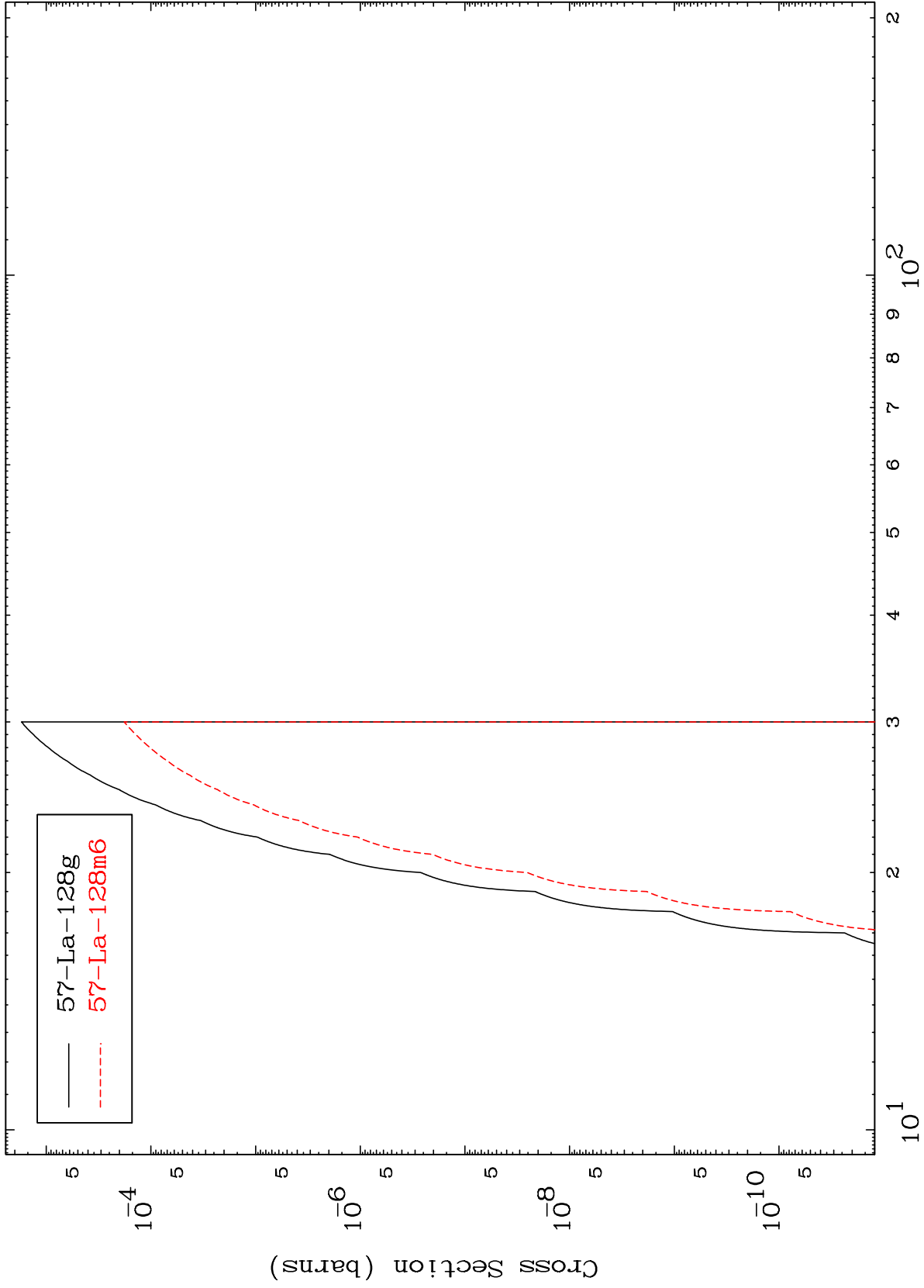
59-Pr-131

MAT 5896

(n,p) t

59-Pr-131

Radionuclide Production Cross Section



35

Incident Energy (MeV)

59-Pr-131