

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

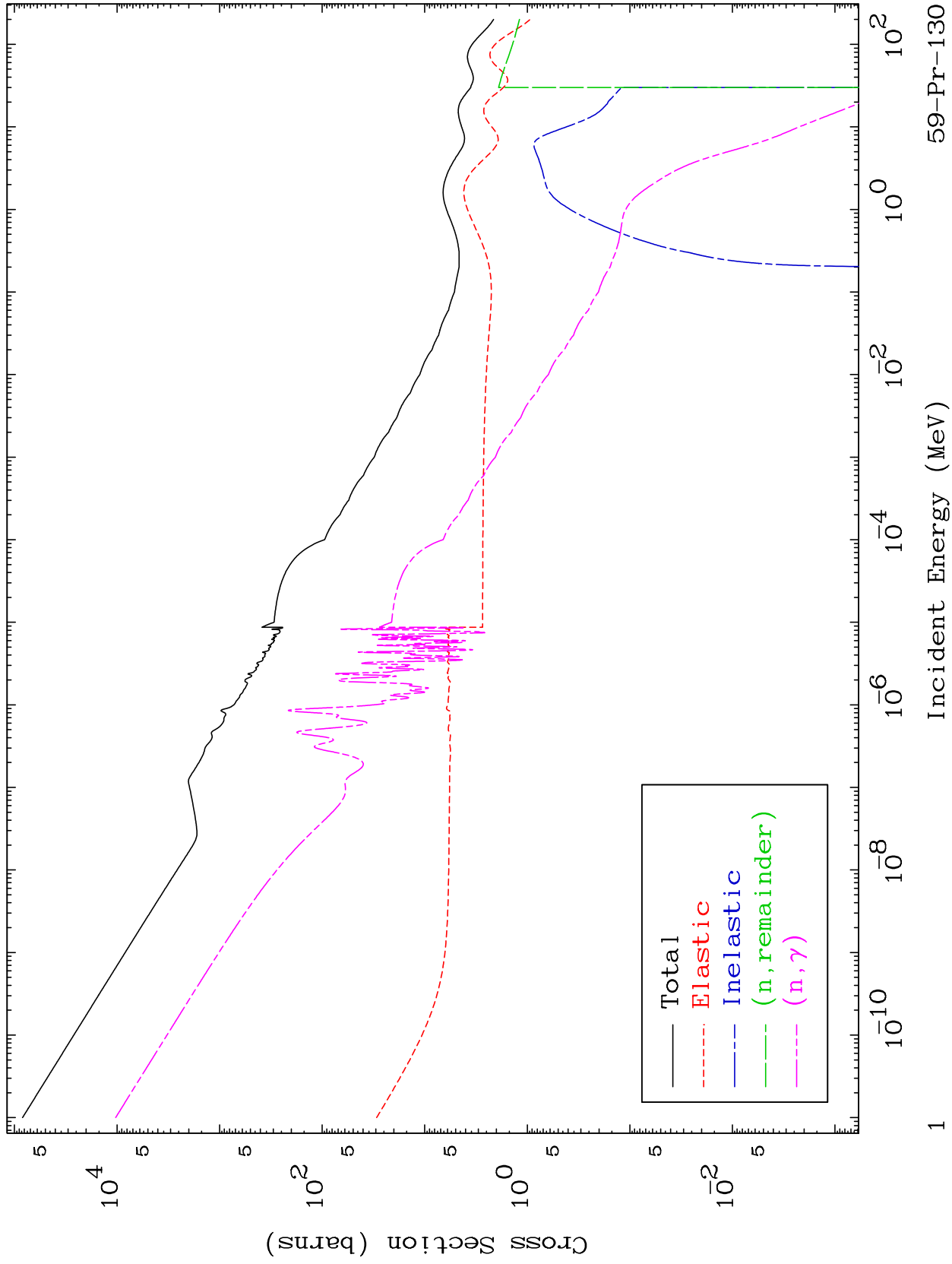
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5892

Major
293 Kelvin Cross Sections

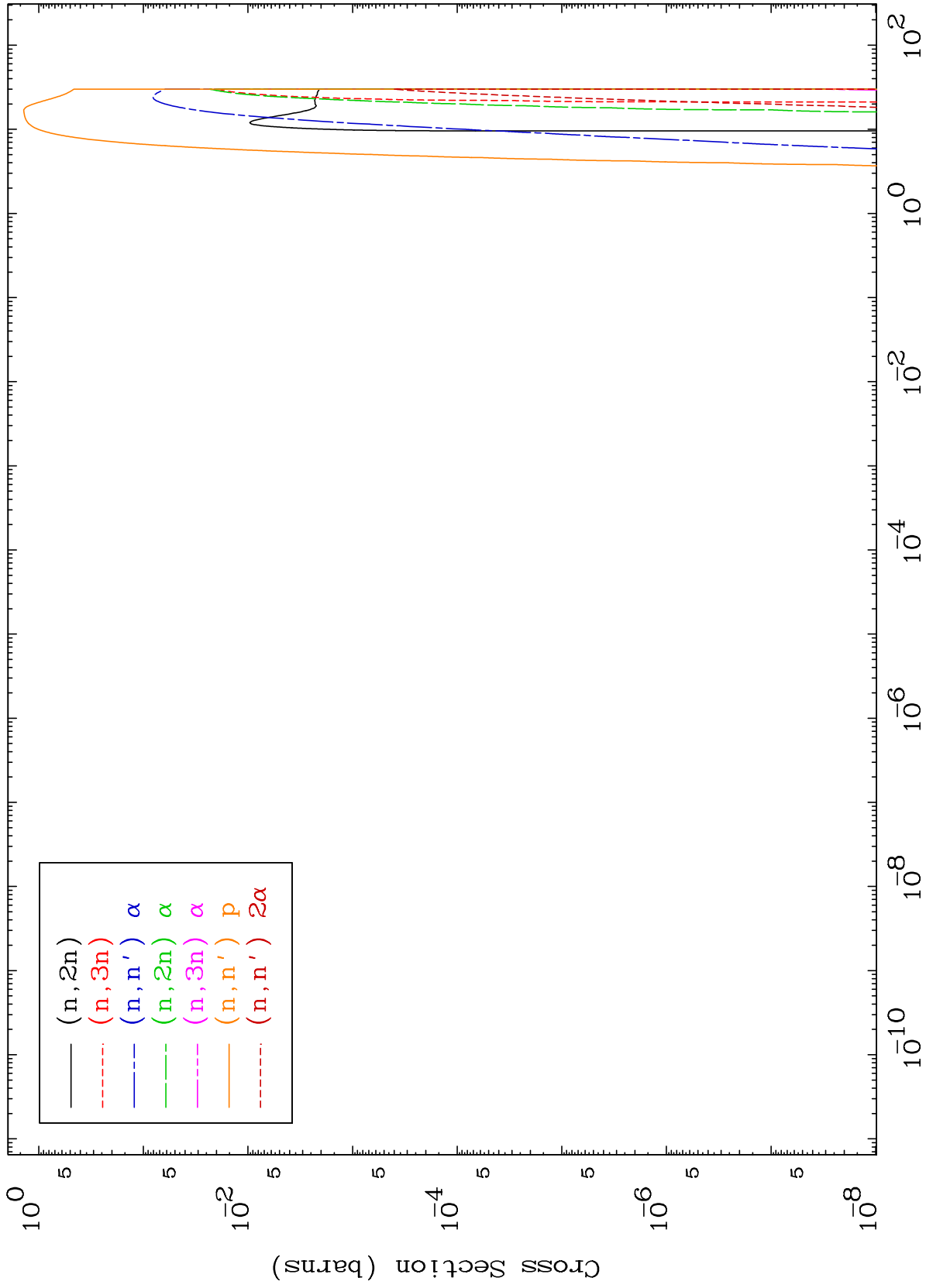
59-Pr-130



MAT 5892

Neutron Production
293 Kelvin Cross Sections

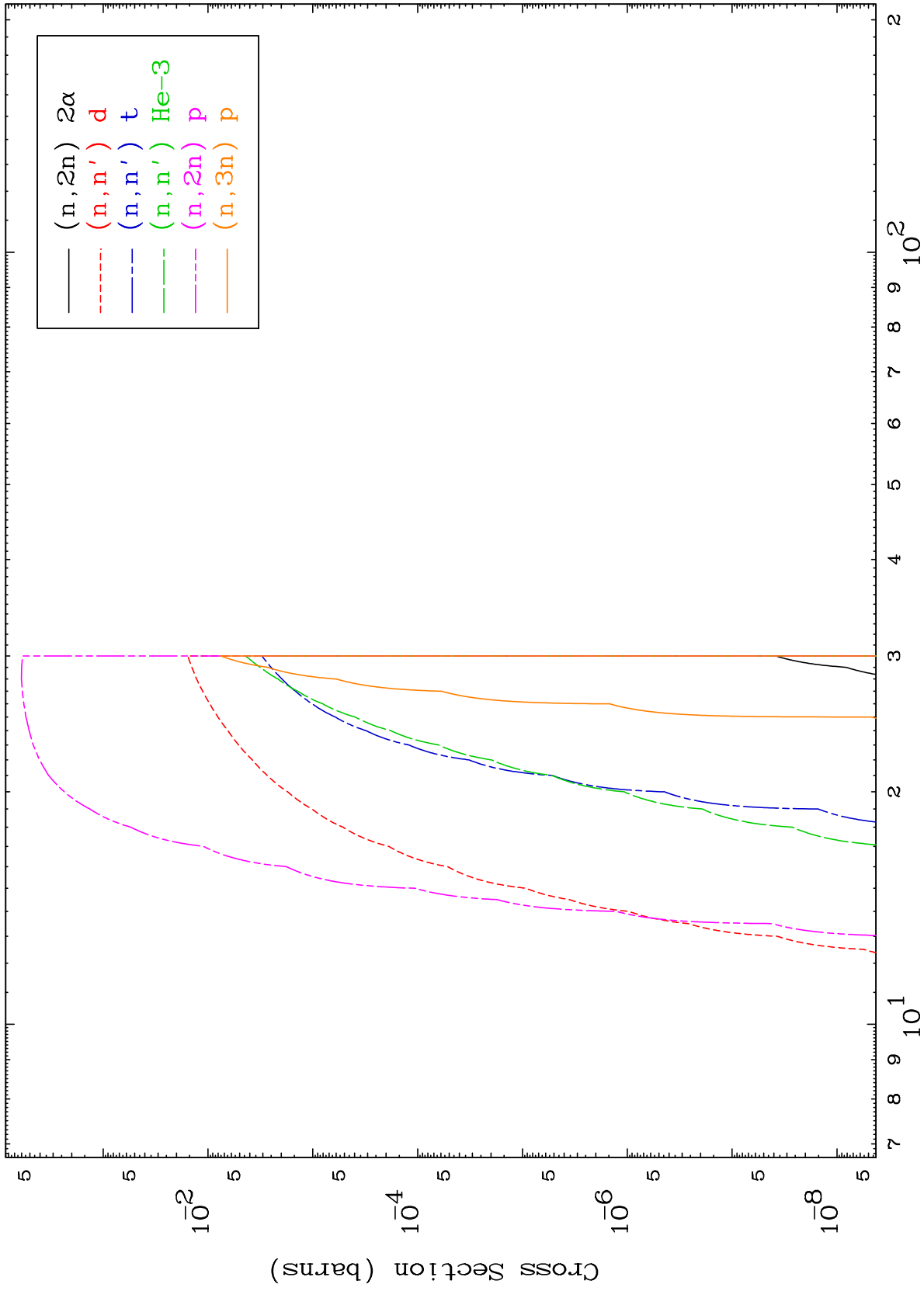
59-Pr-130



2

Incident Energy (MeV)

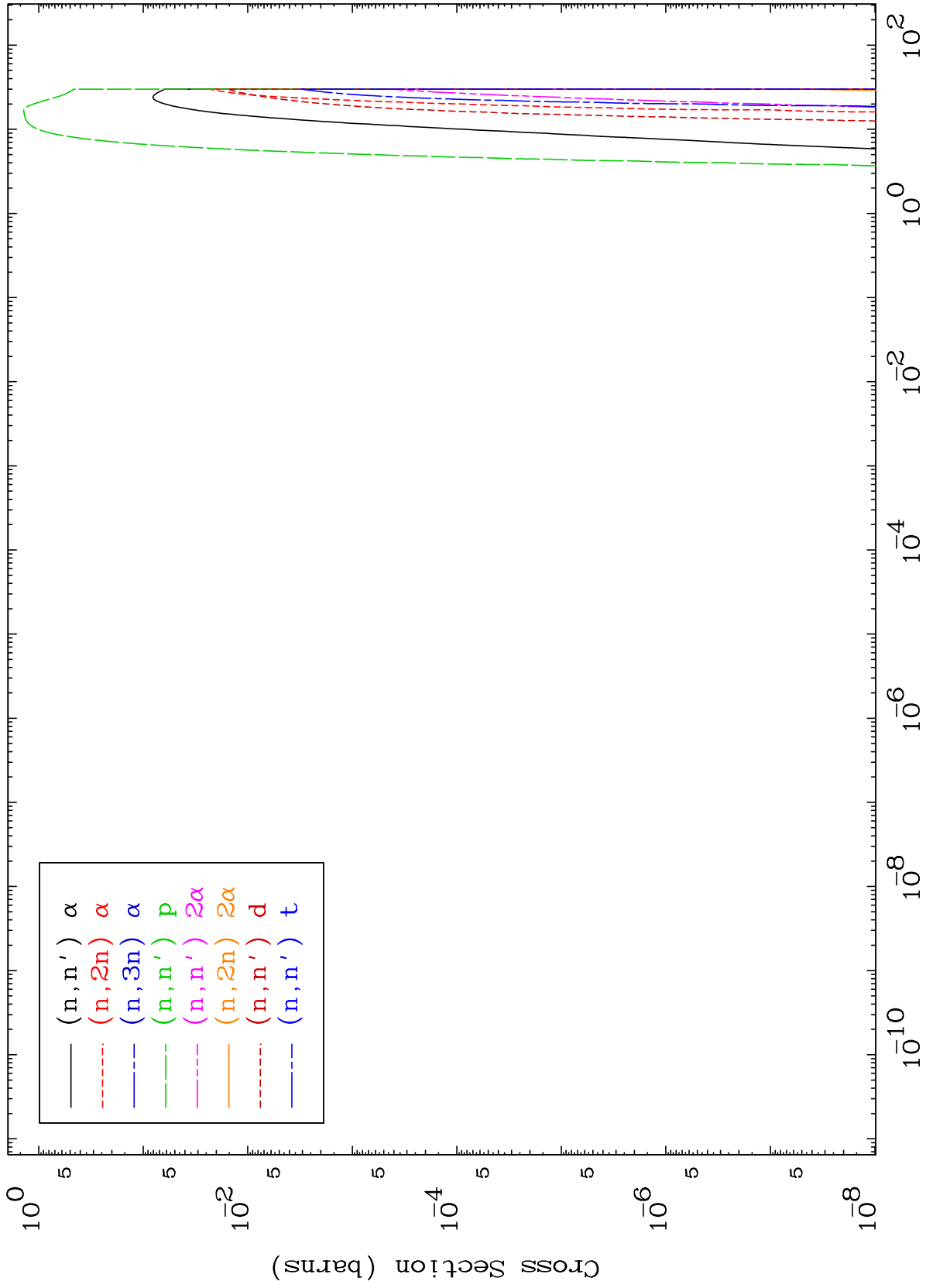
59-Pr-130



MAT 5892

293 Kelvin Cross Sections

59-Pr-130

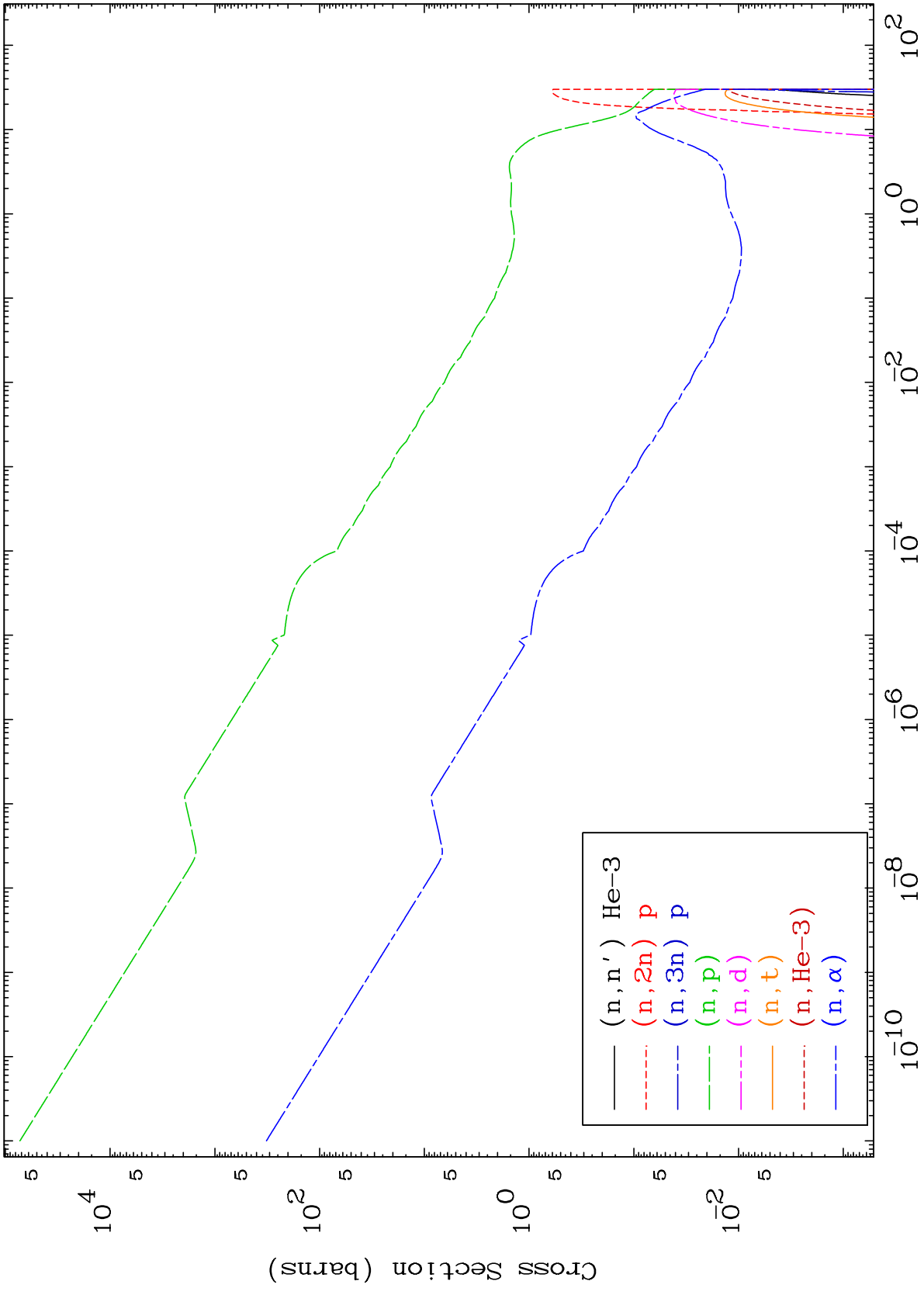


59-Pr-130

MAT 5892

293 Kelvin Cross Sections

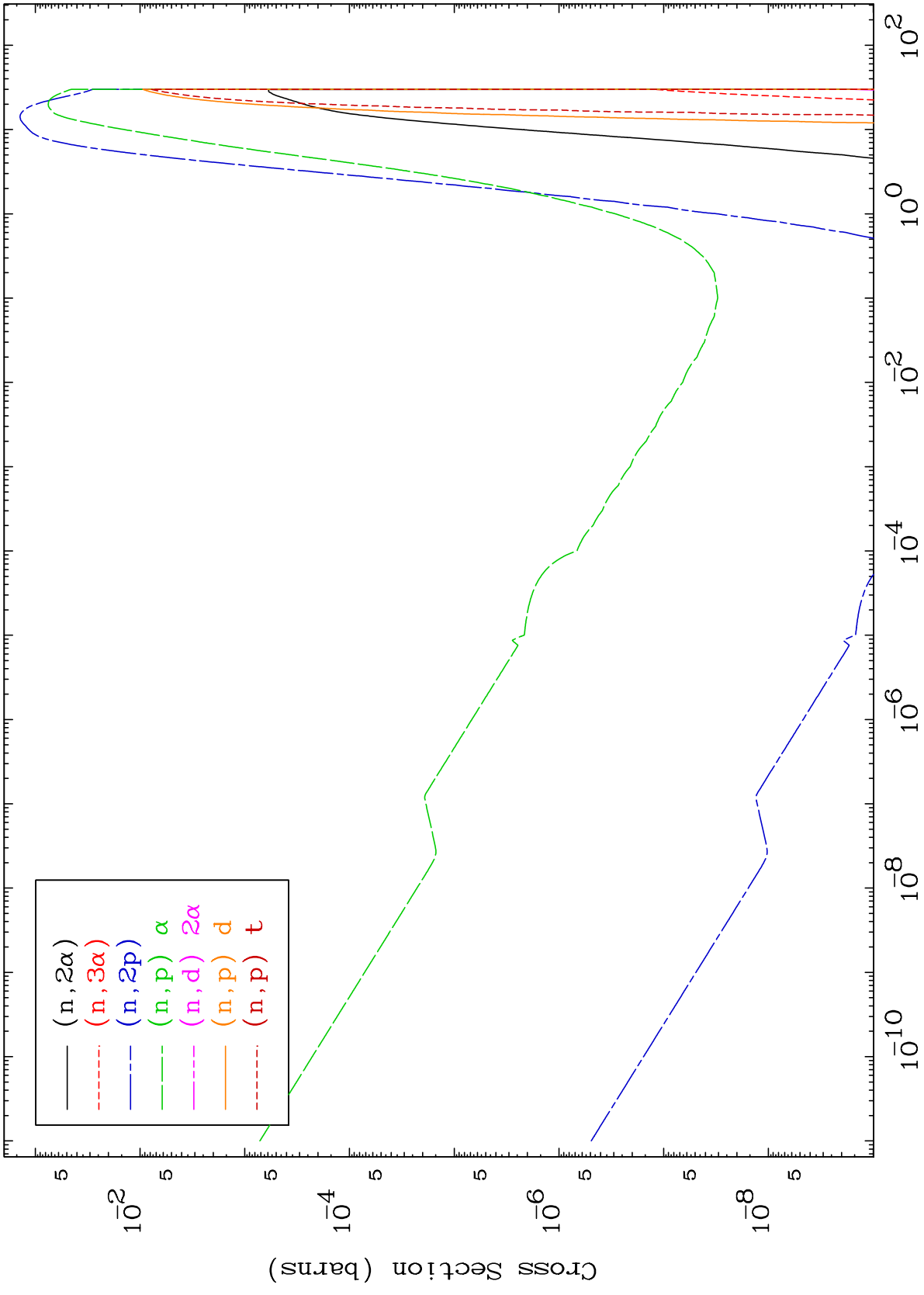
59-Pr-130

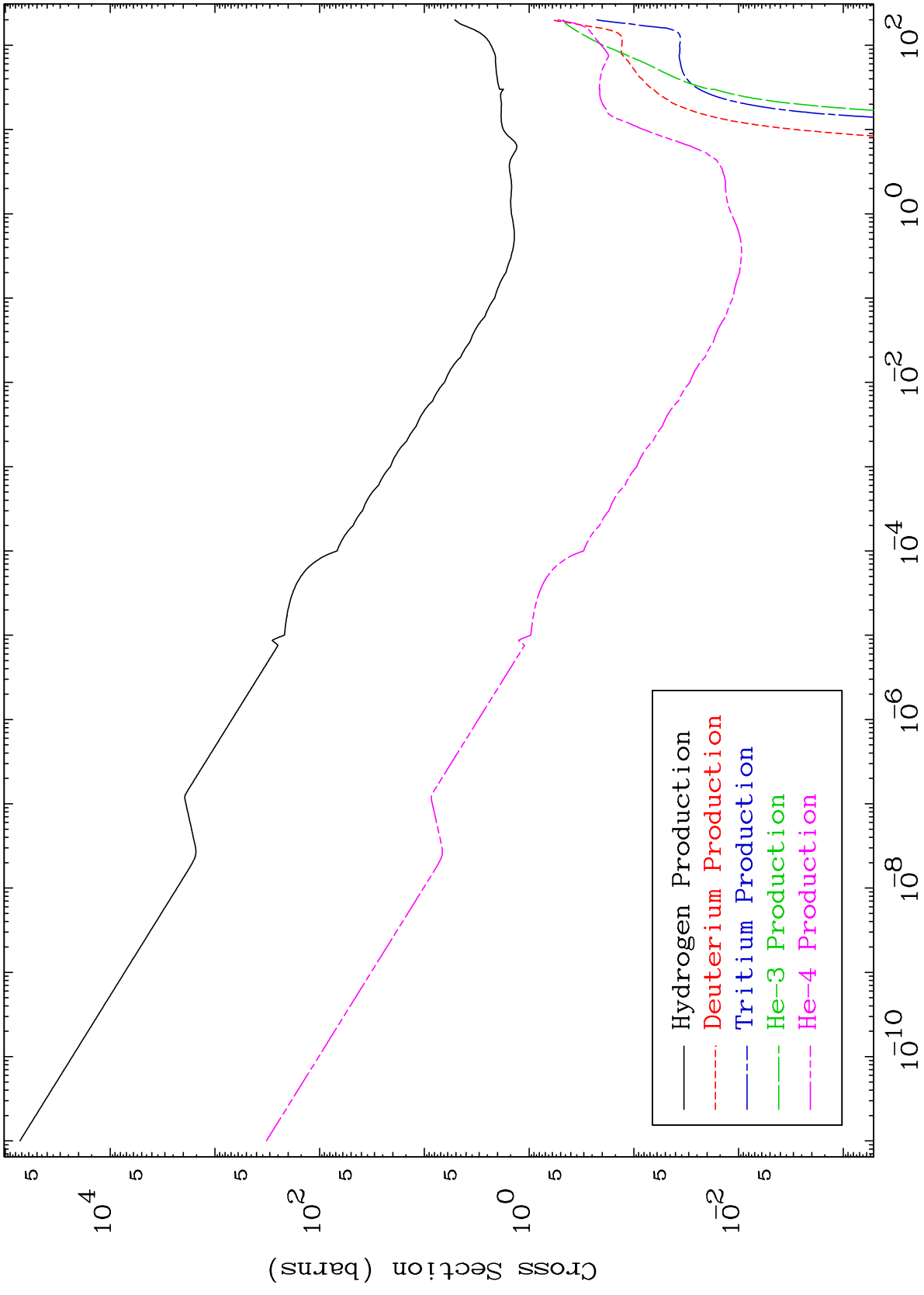


MAT 5892

Charged Particle
293 Kelvin Cross Sections

59-Pr-130

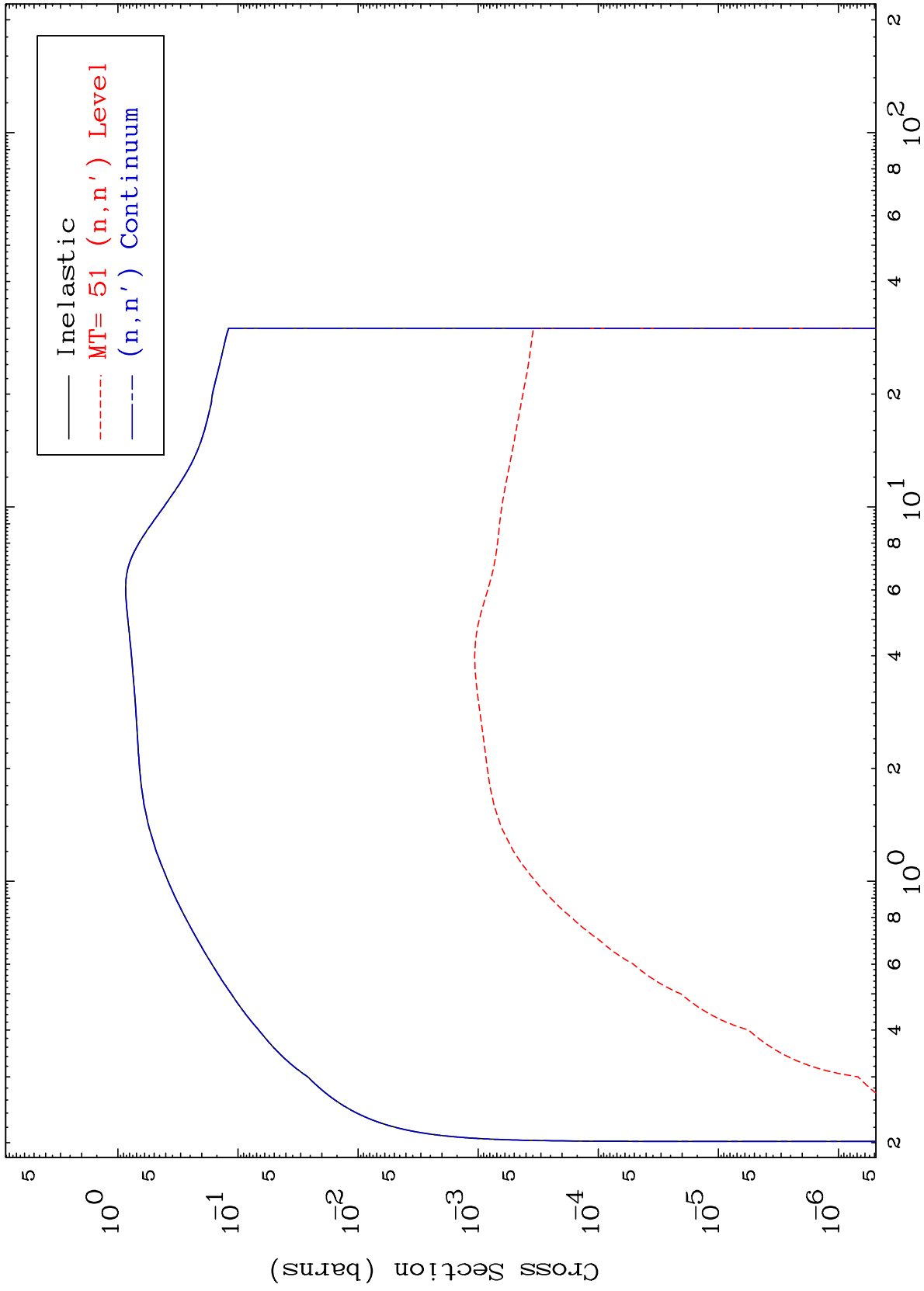




MAT 5892

(n,n') Level
293 Kelvin Cross Sections

59-Pr-130



8

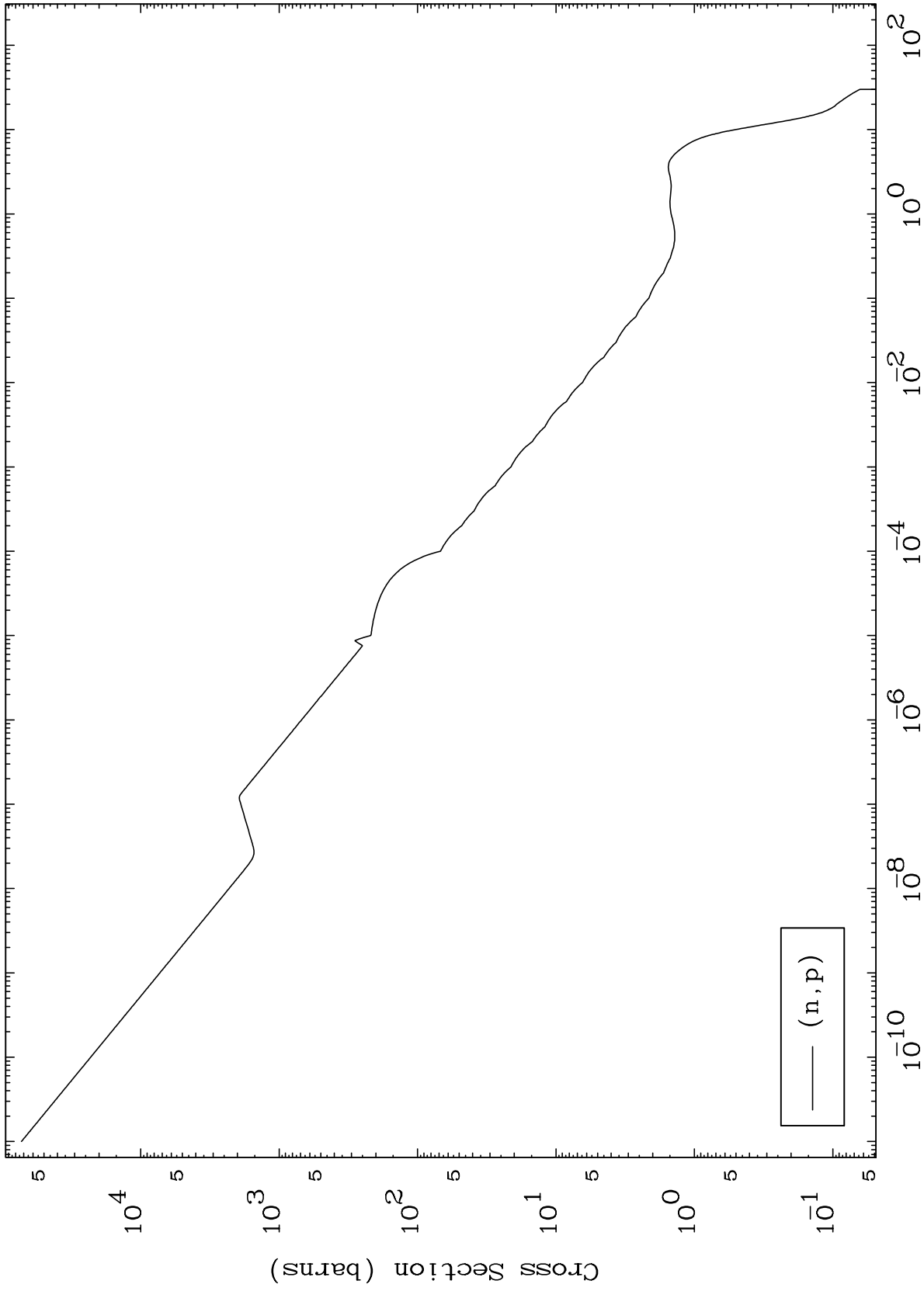
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-130



9

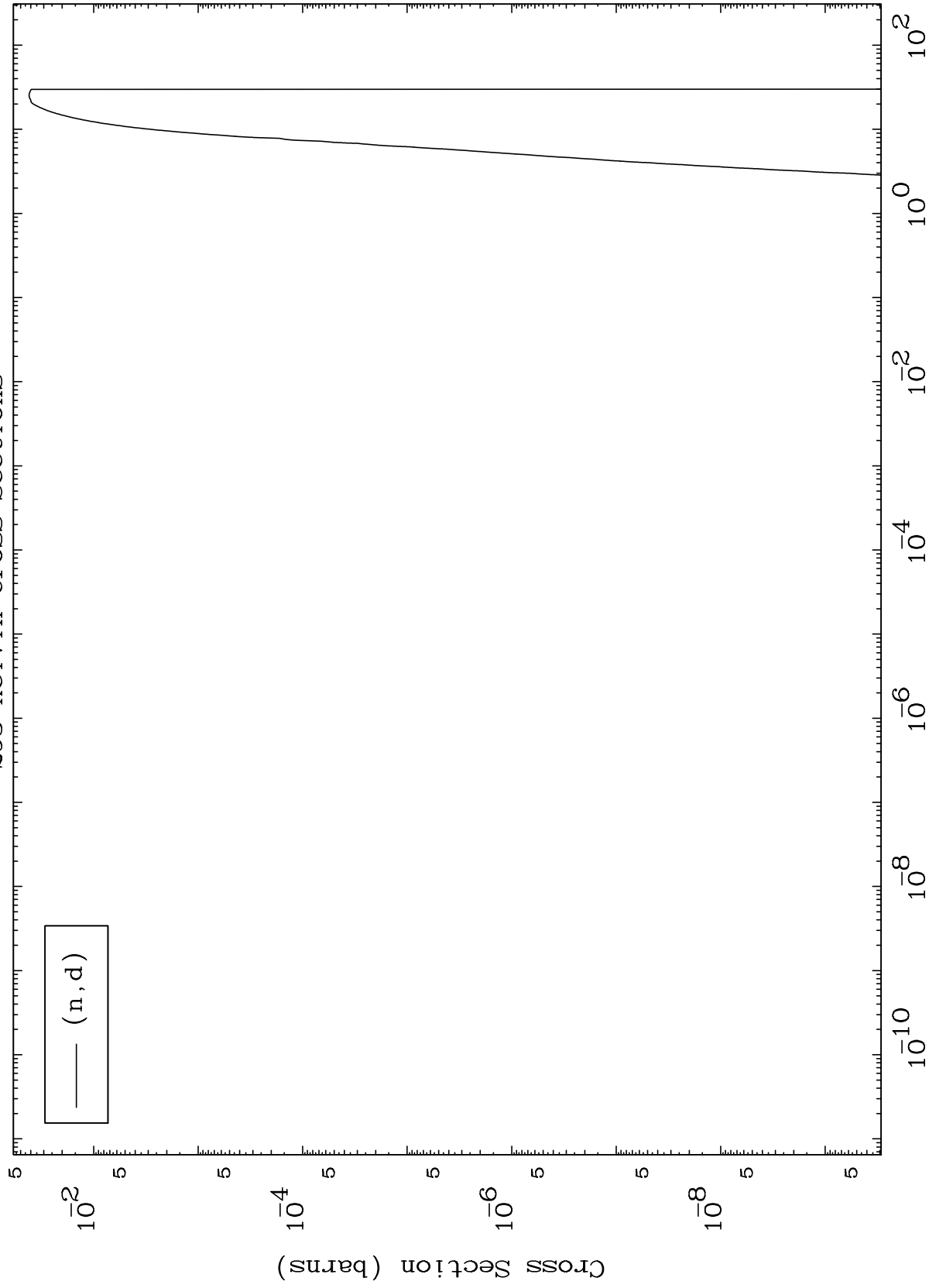
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-130



10

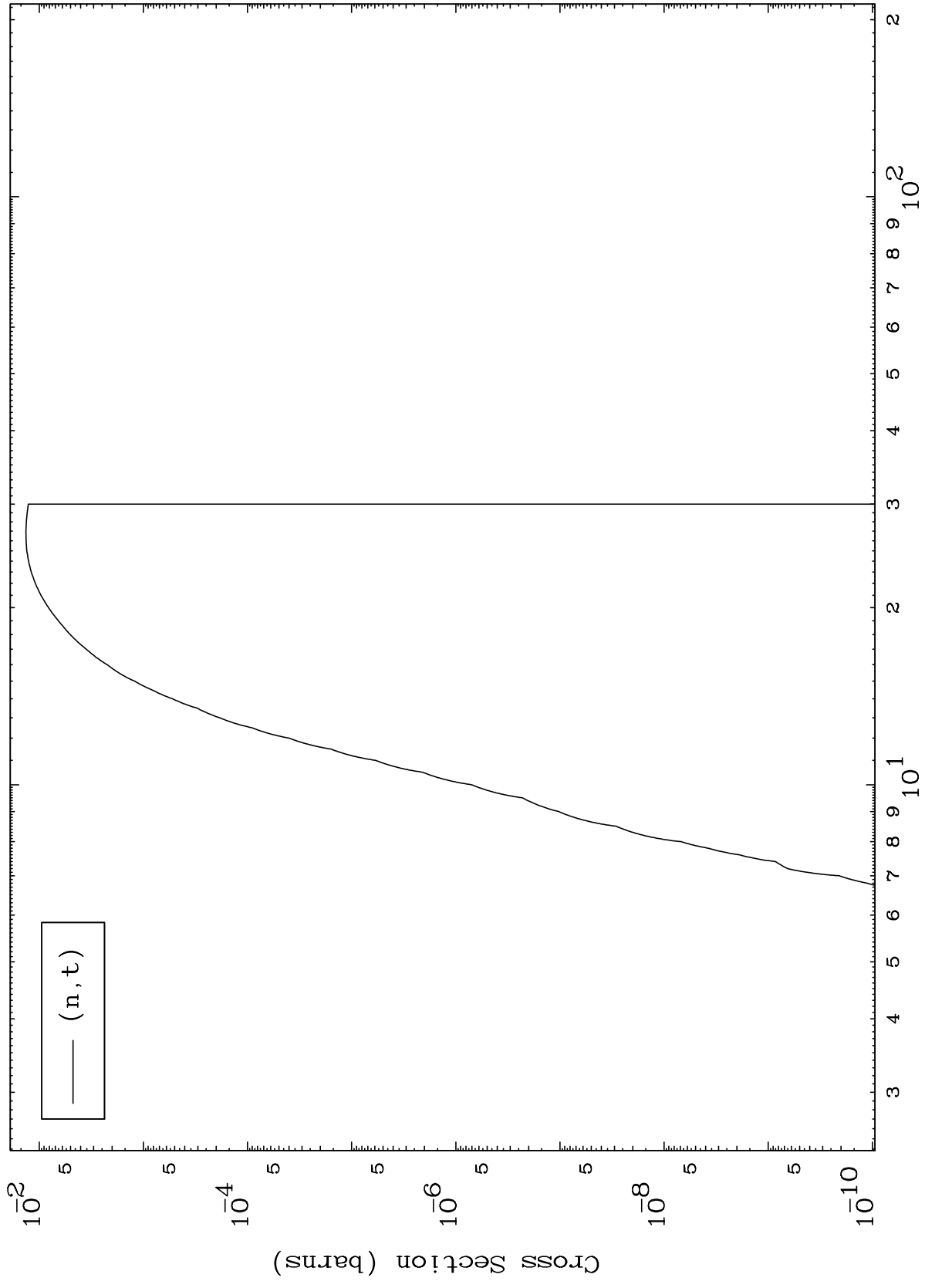
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-130



11

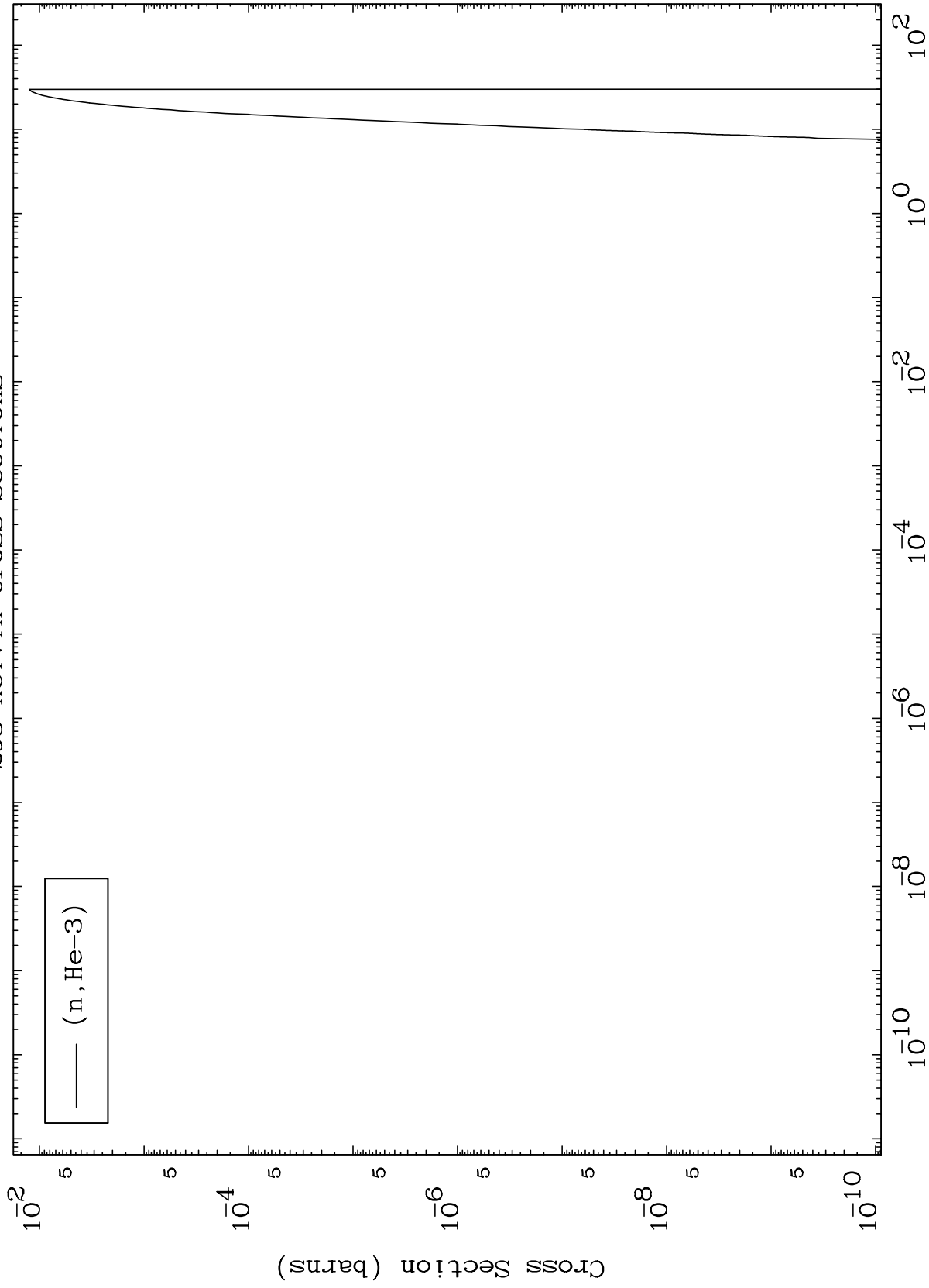
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-130



12

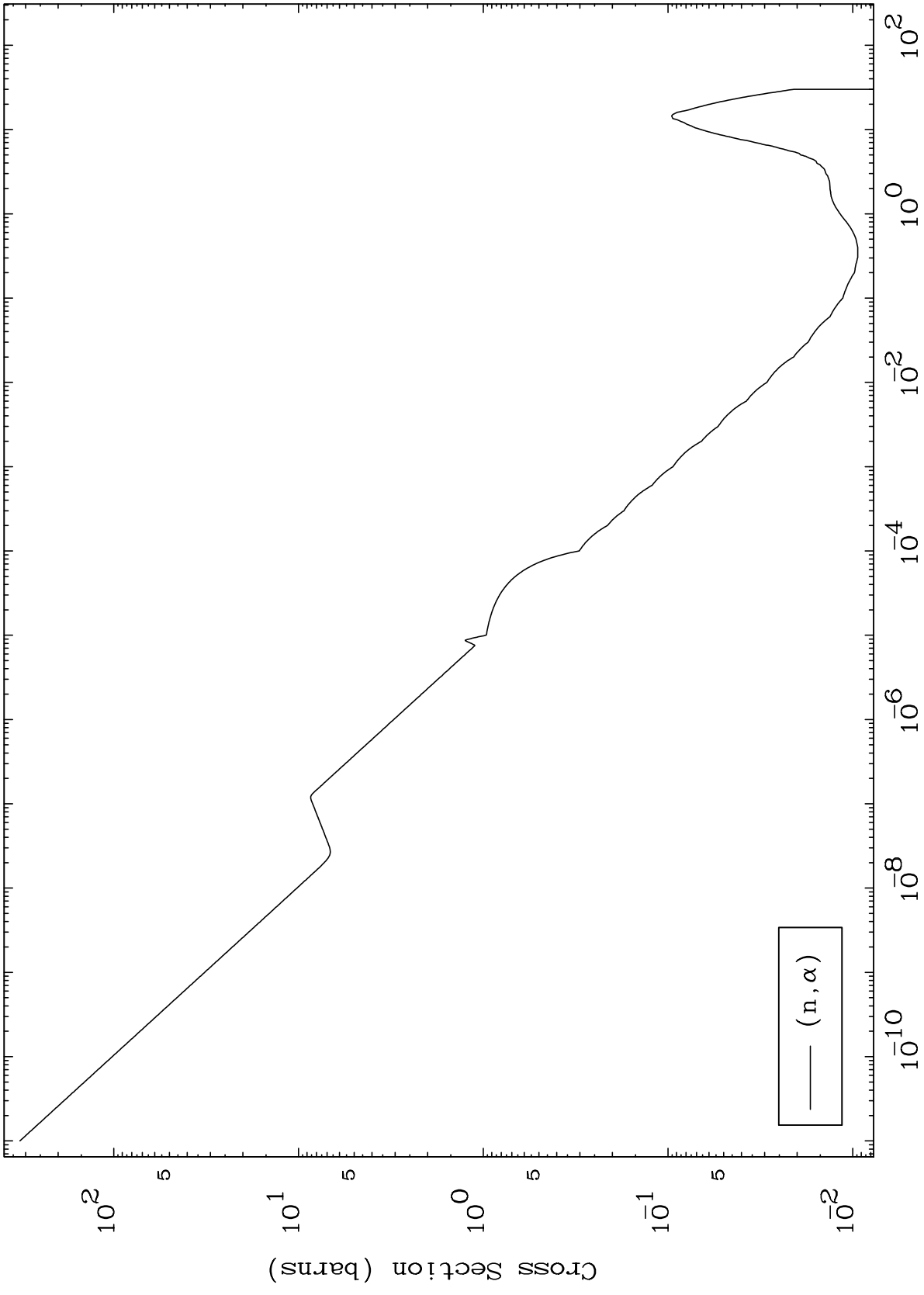
Incident Energy (MeV)

59-Pr-130

MAT 5892

(n,α) Levels
293 Kelvin Cross Sections

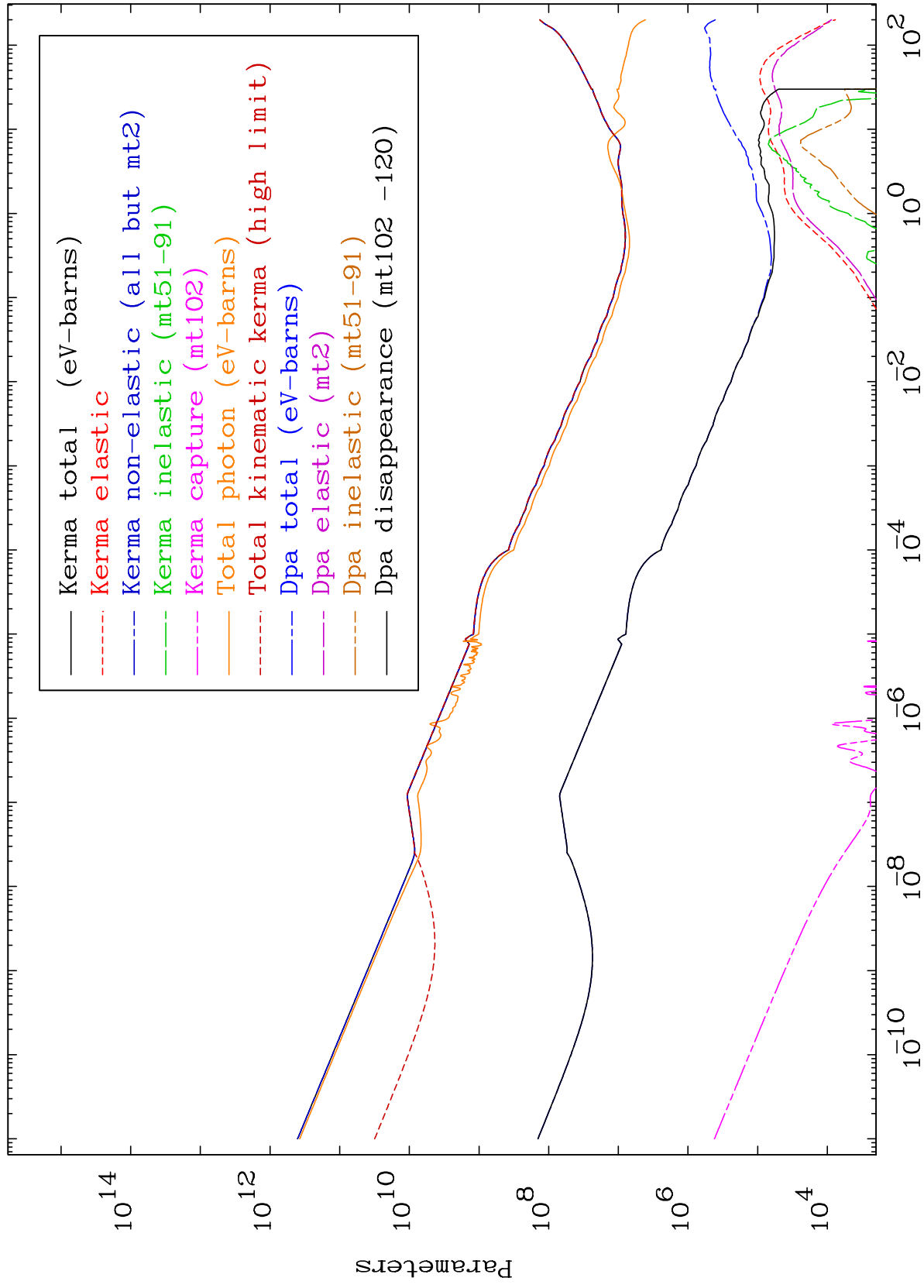
59-Pr-130



13

Incident Energy (MeV)

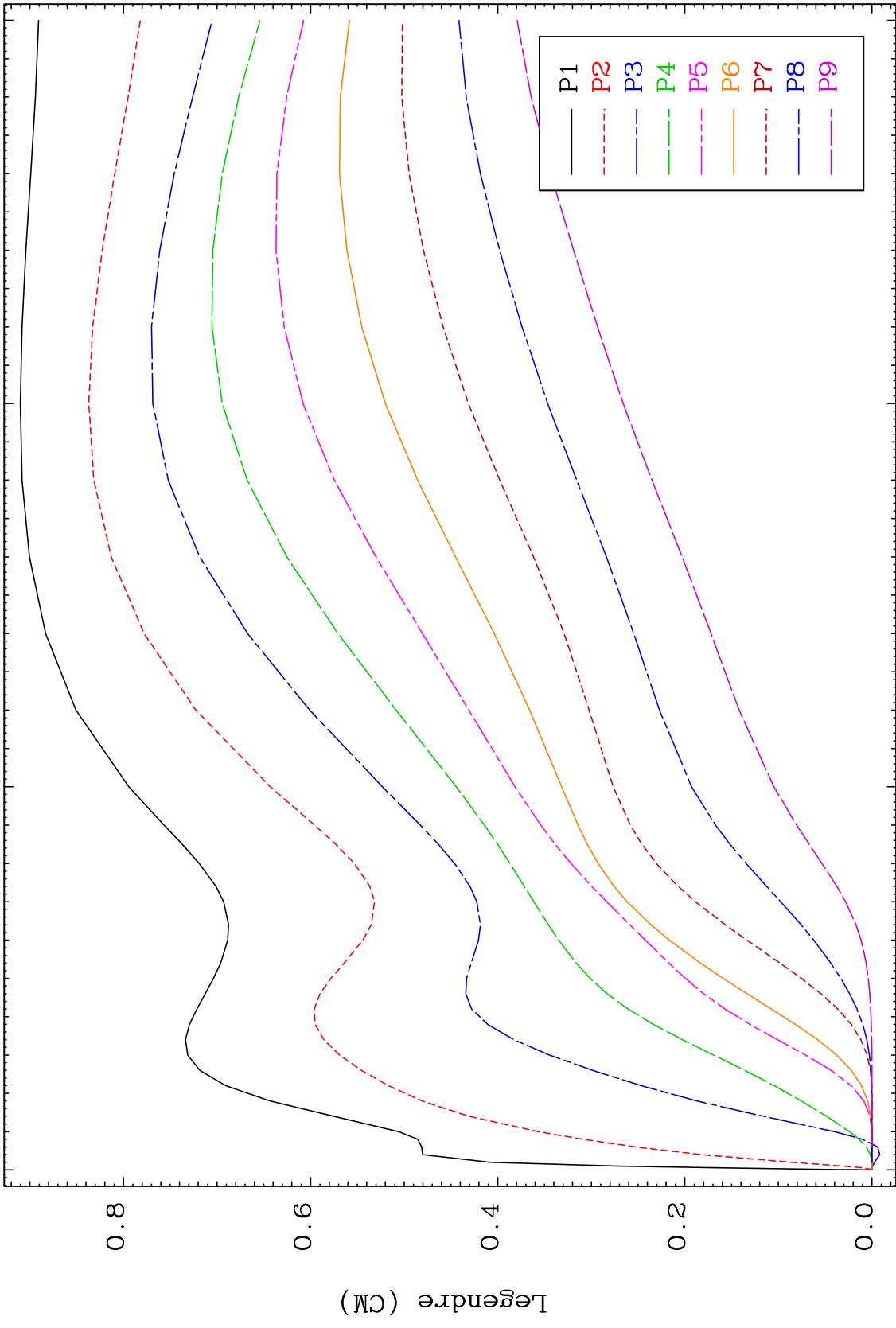
59-Pr-130



MAT 5892

Elastic Legendre Coefficients

59-Pr-130



59-Pr-130

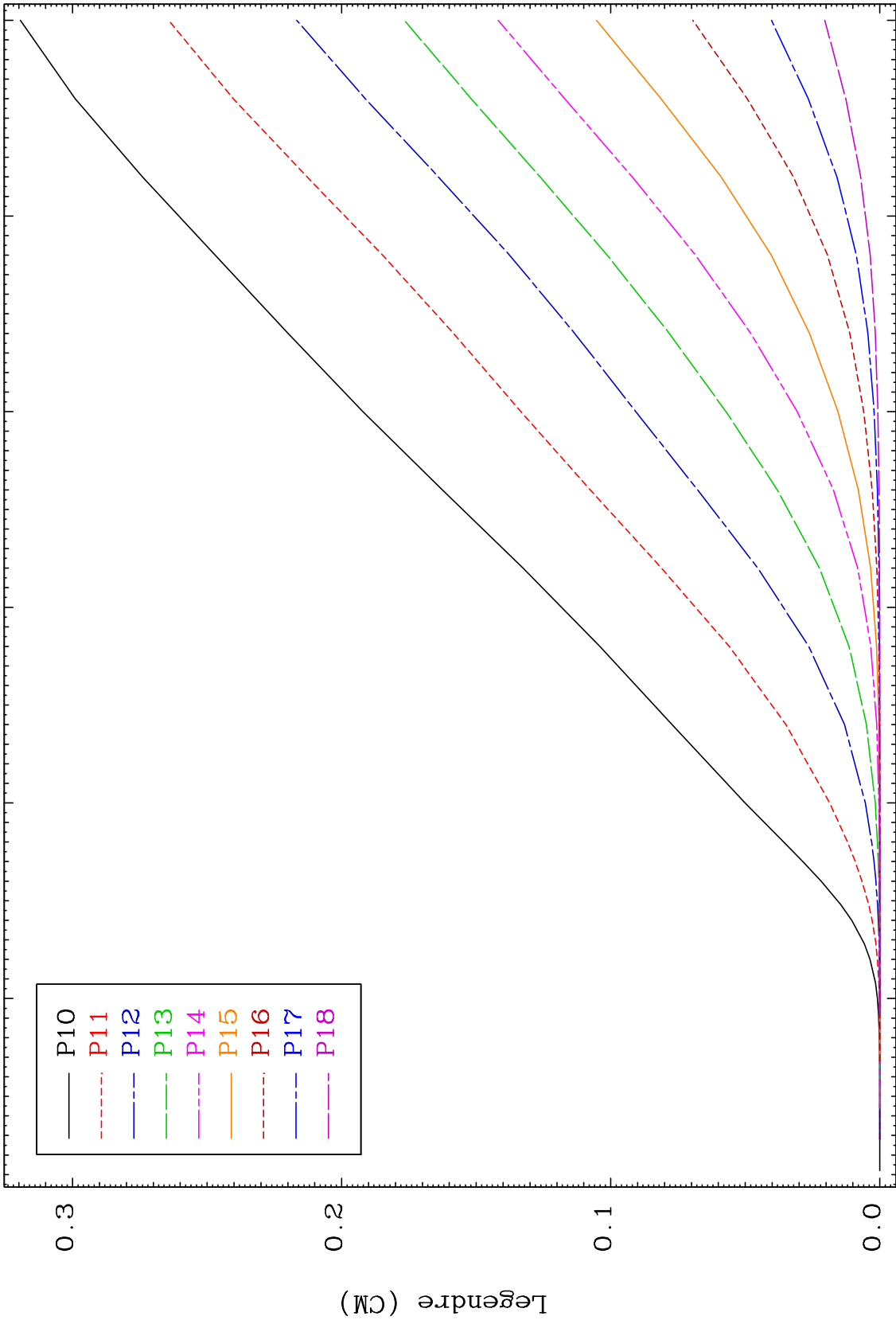
Incident Energy (MeV)

15

MAT 5892

Elastic Legendre Coefficients

59-Pr-130



16

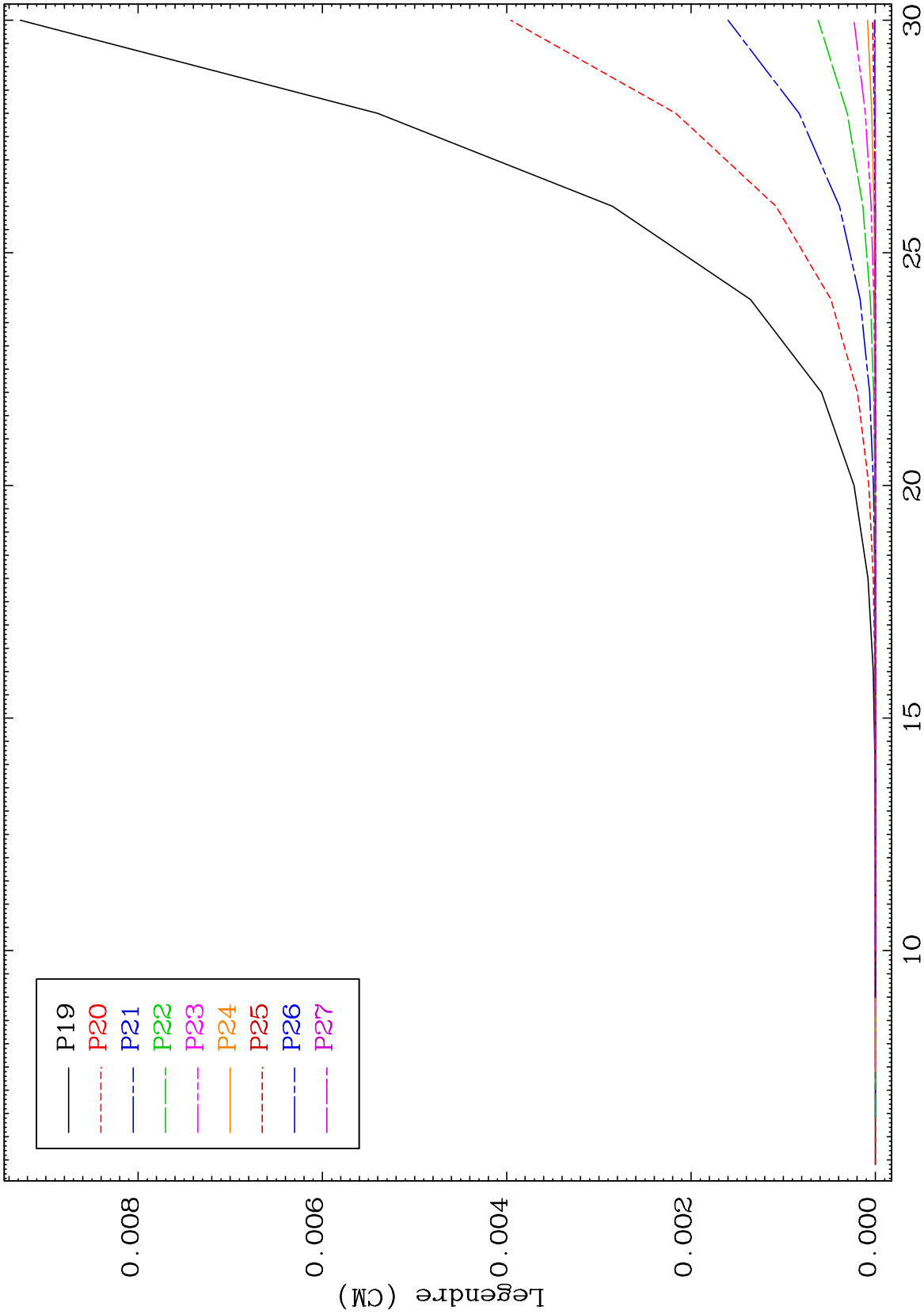
Incident Energy (MeV)

59-Pr-130

MAT 5892

Elastic Legendre Coefficients

59-Pr-130



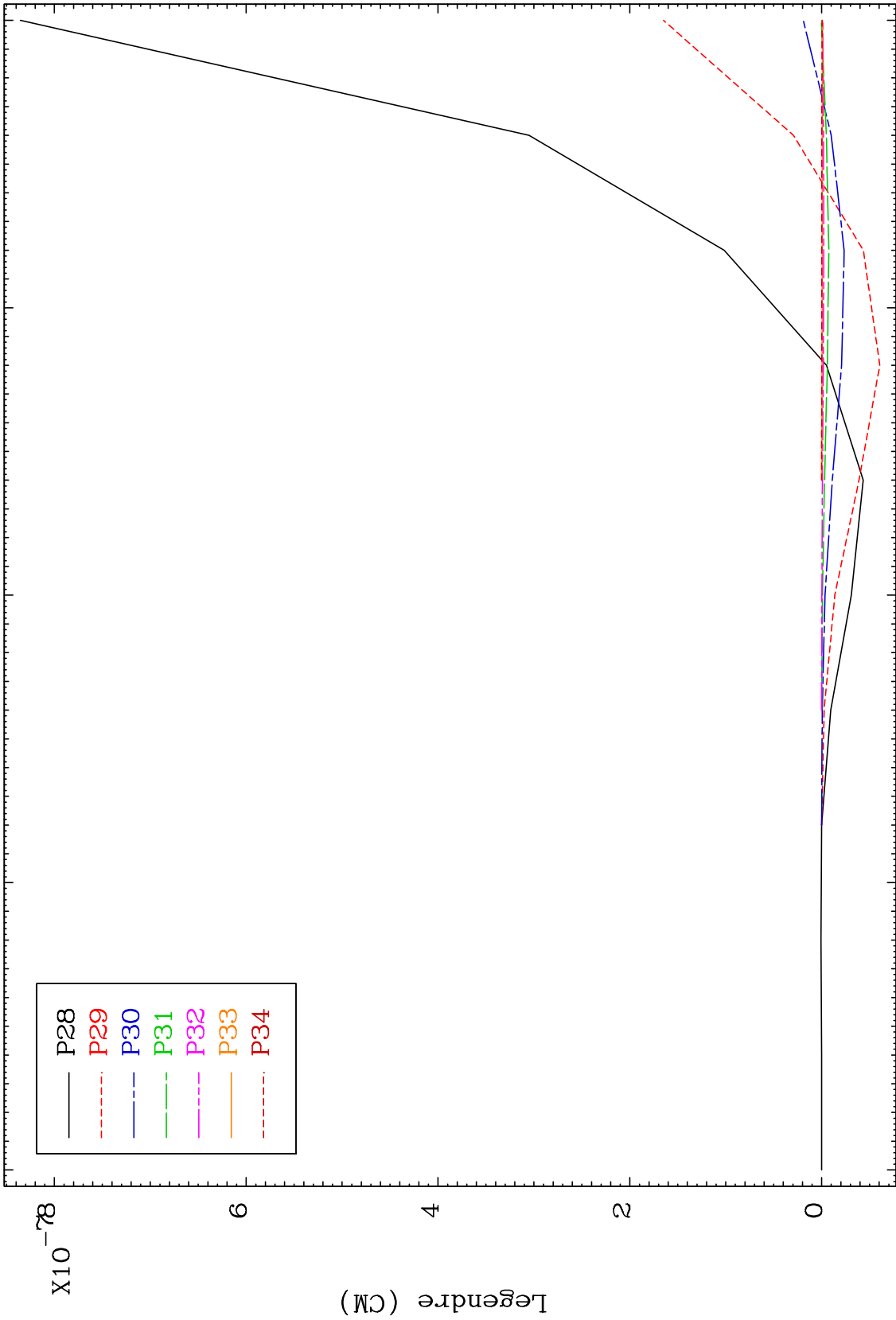
17

59-Pr-130

MAT 5892

Elastic Legendre Coefficients

59-Pr-130



18

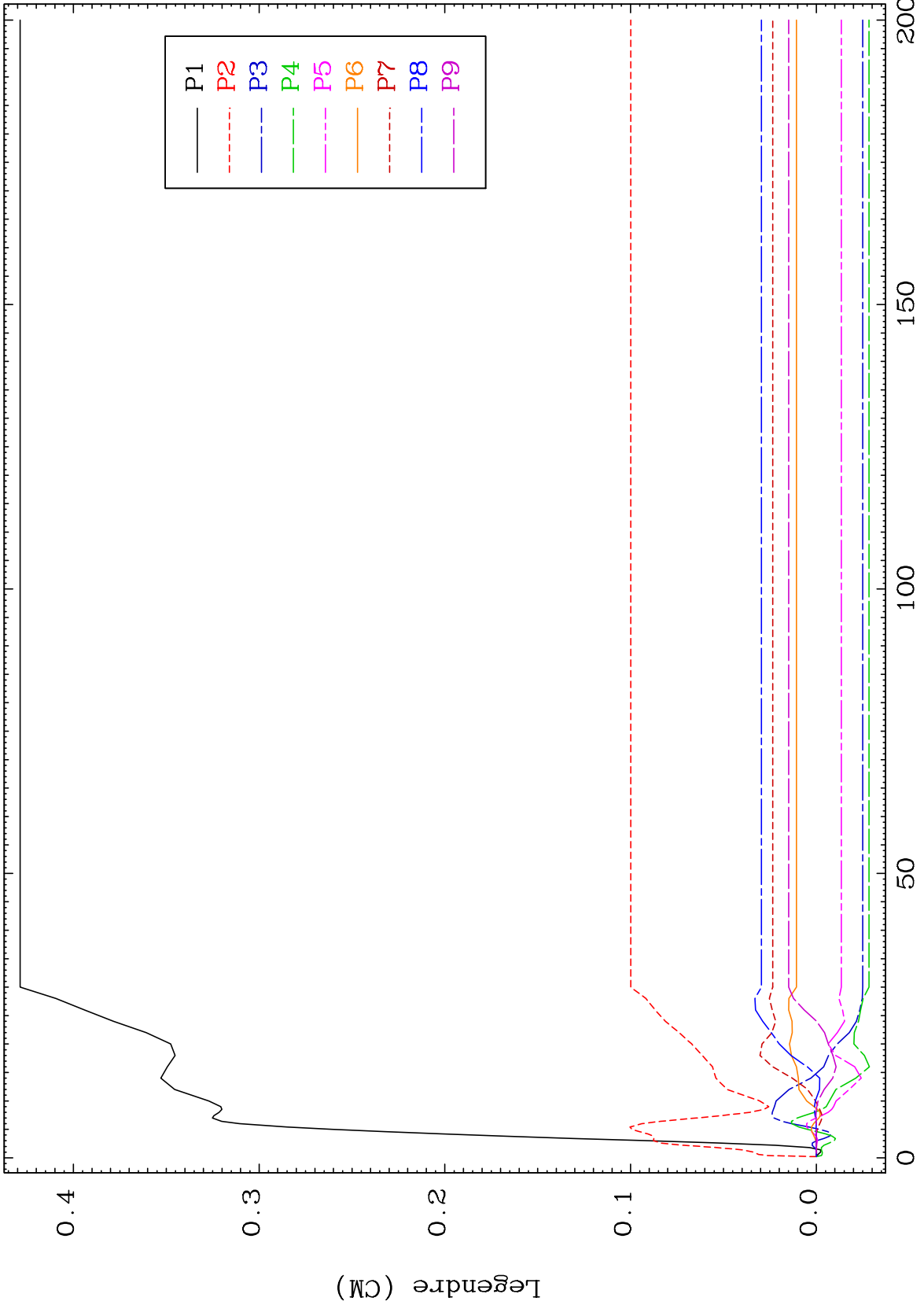
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



19

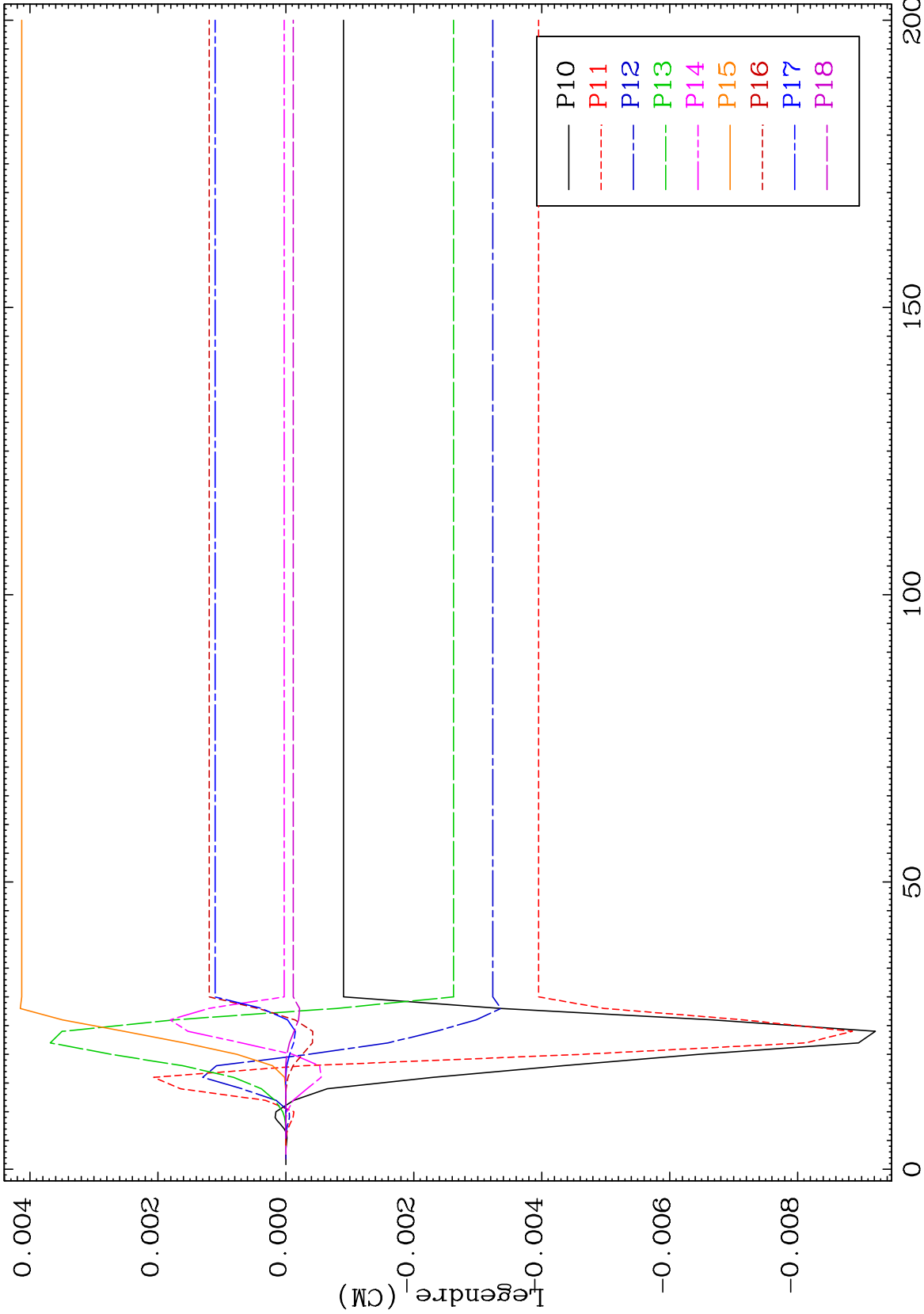
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



59-Pr-130

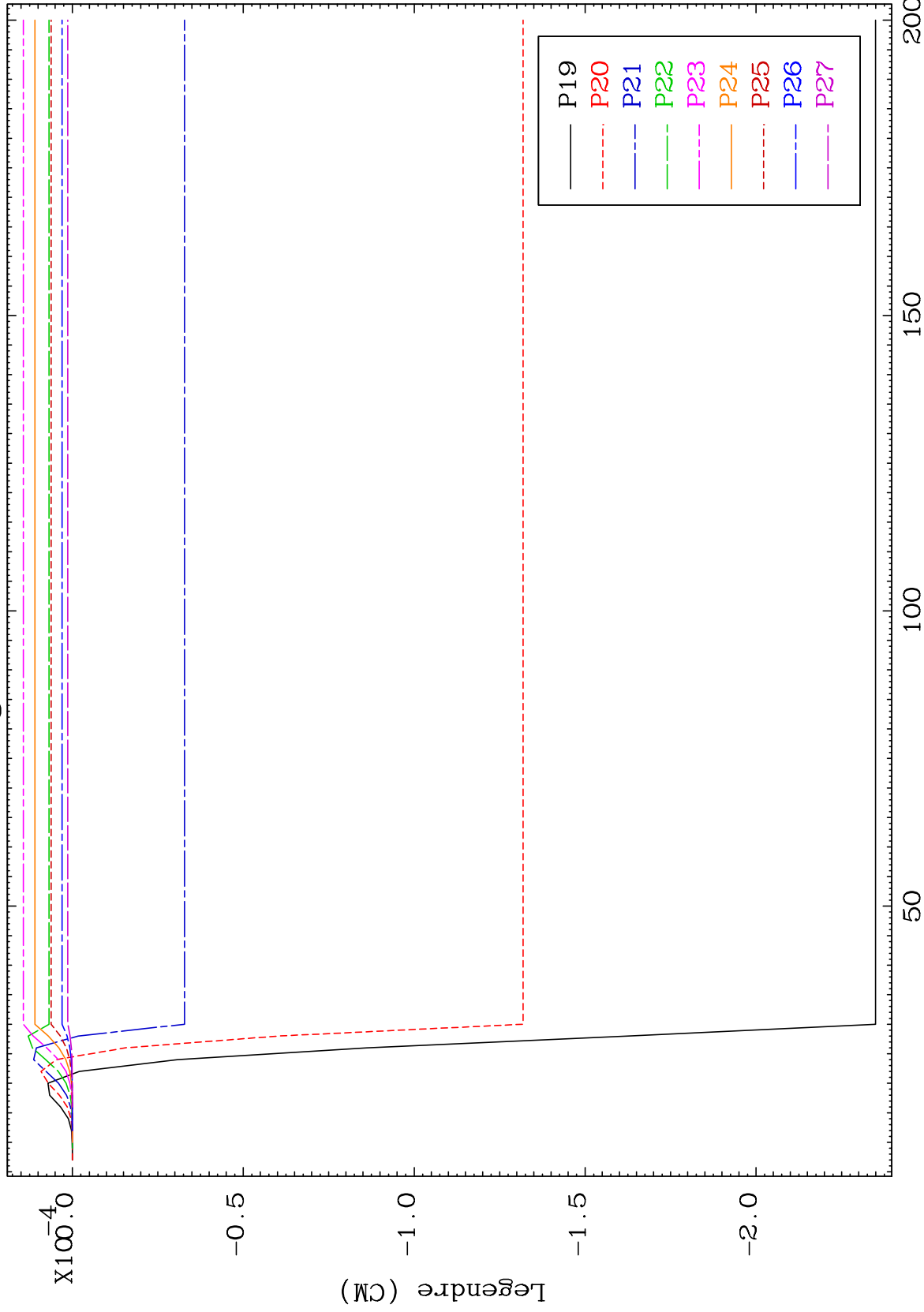
Incident Energy (MeV)

20

MAT 5892

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

59-Pr-130



21

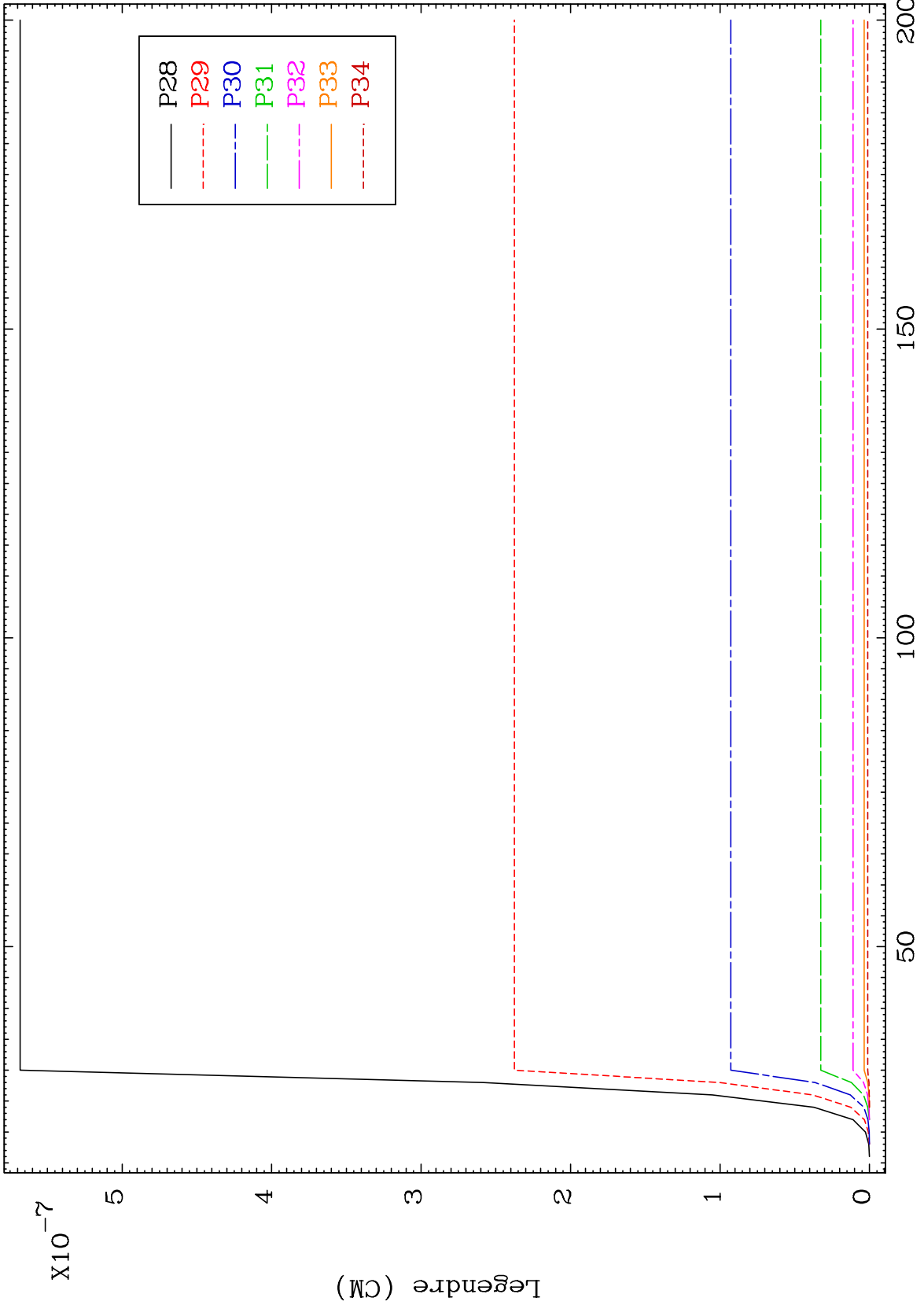
Incident Energy (MeV)

59-Pr-130

MAT 5892

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

59-Pr-130



22

Incident Energy (MeV)

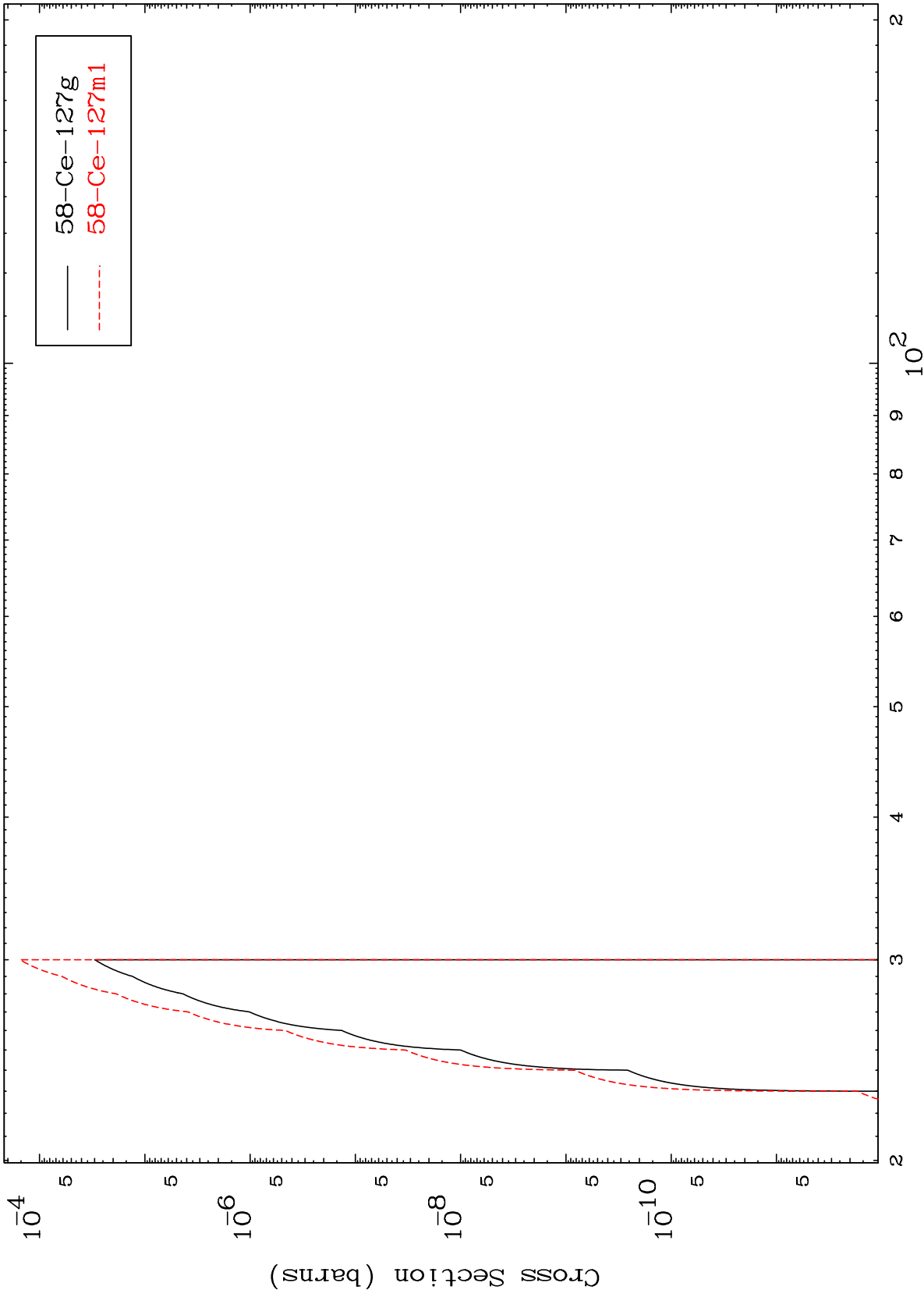
59-Pr-130

MAT 5892

(n,2n) d

59-Pr-130

Radionuclide Production Cross Section



23

Incident Energy (MeV)

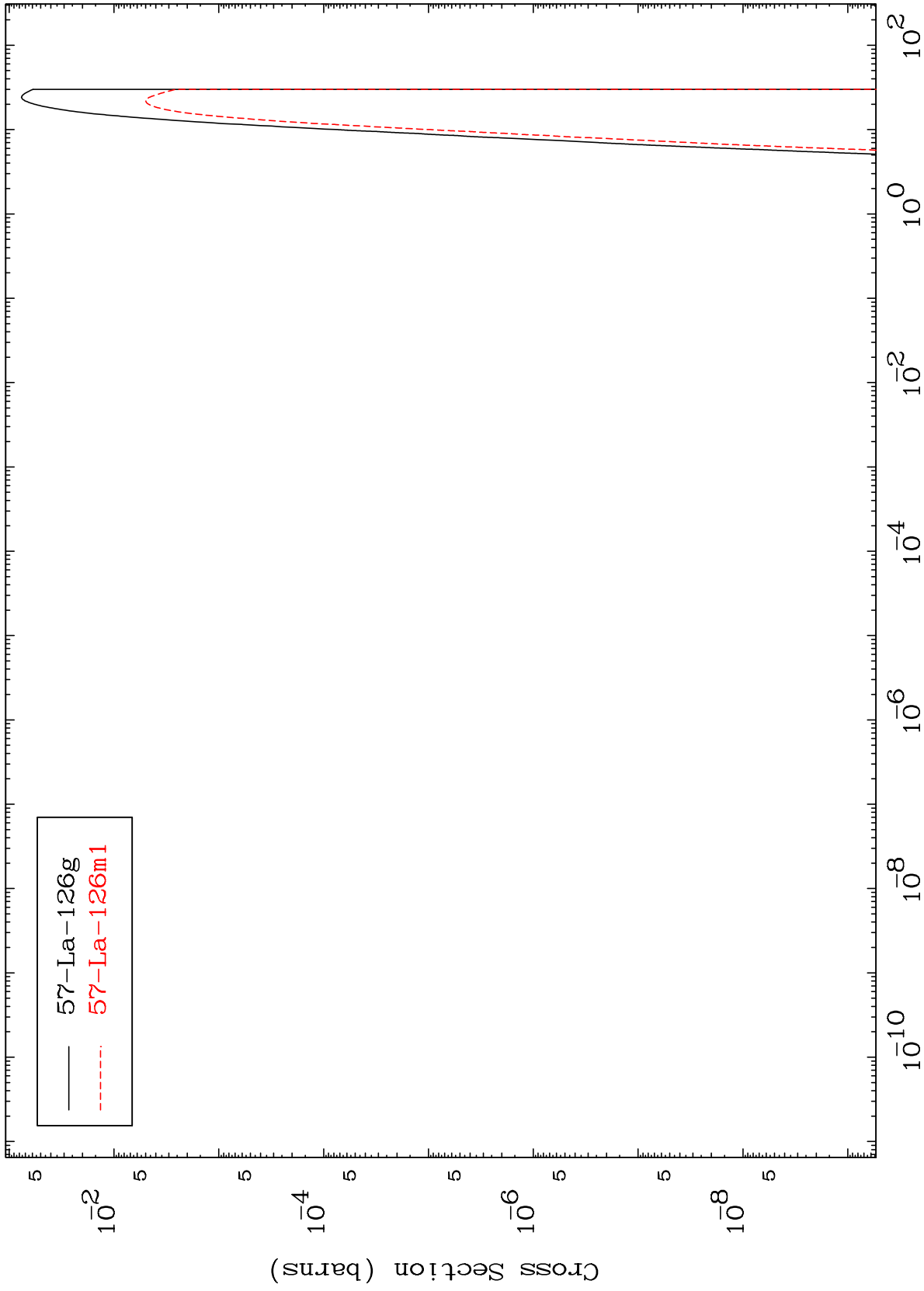
59-Pr-130

MAT 5892

(n,n') α

59-Pr-130

Radionuclide Production Cross Section



24

Incident Energy (MeV)

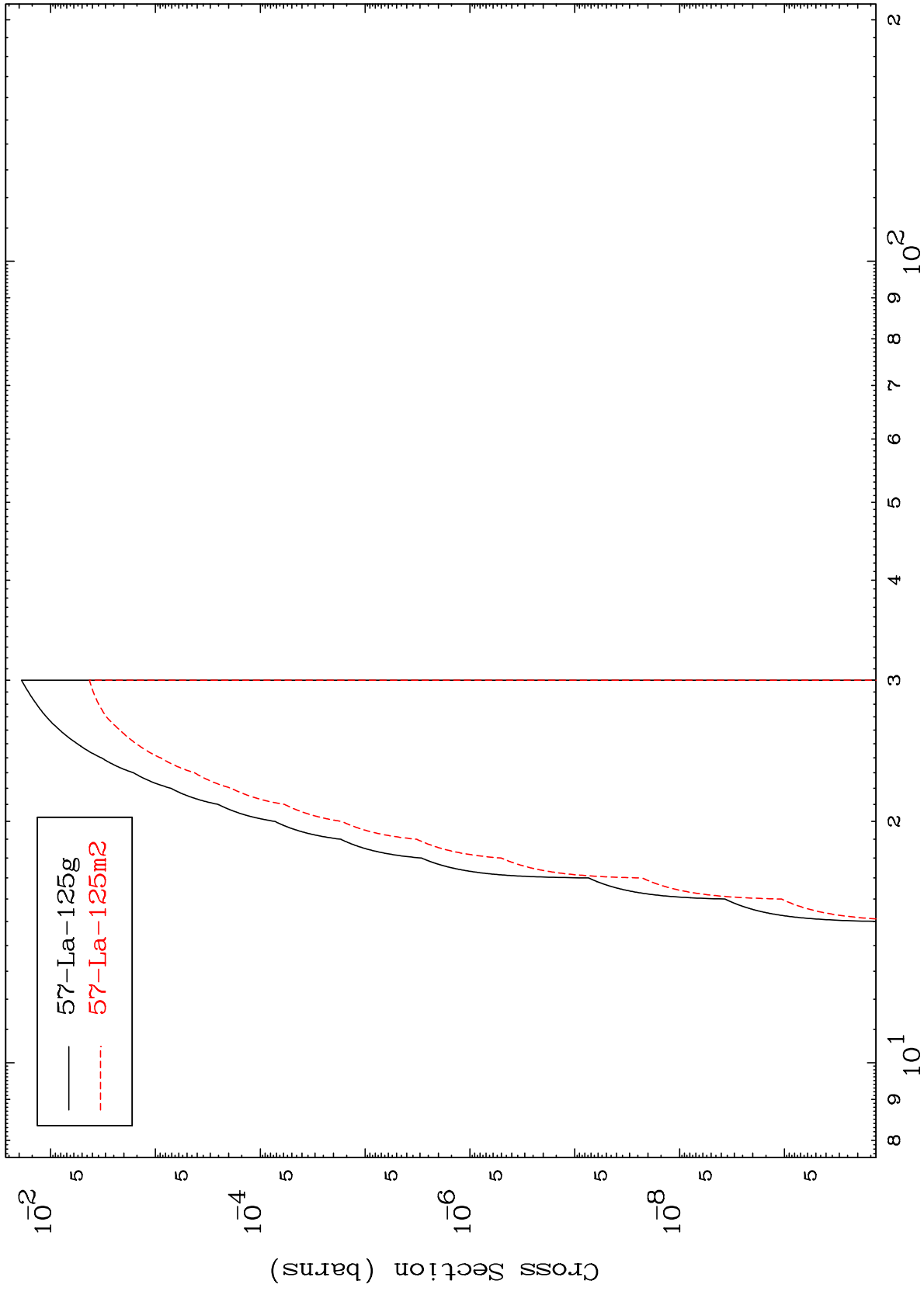
59-Pr-130

MAT 5892

(n,2n) α

59-Pr-130

Radionuclide Production Cross Section



57-La-125g
57-La-125m2

25

Incident Energy (MeV)

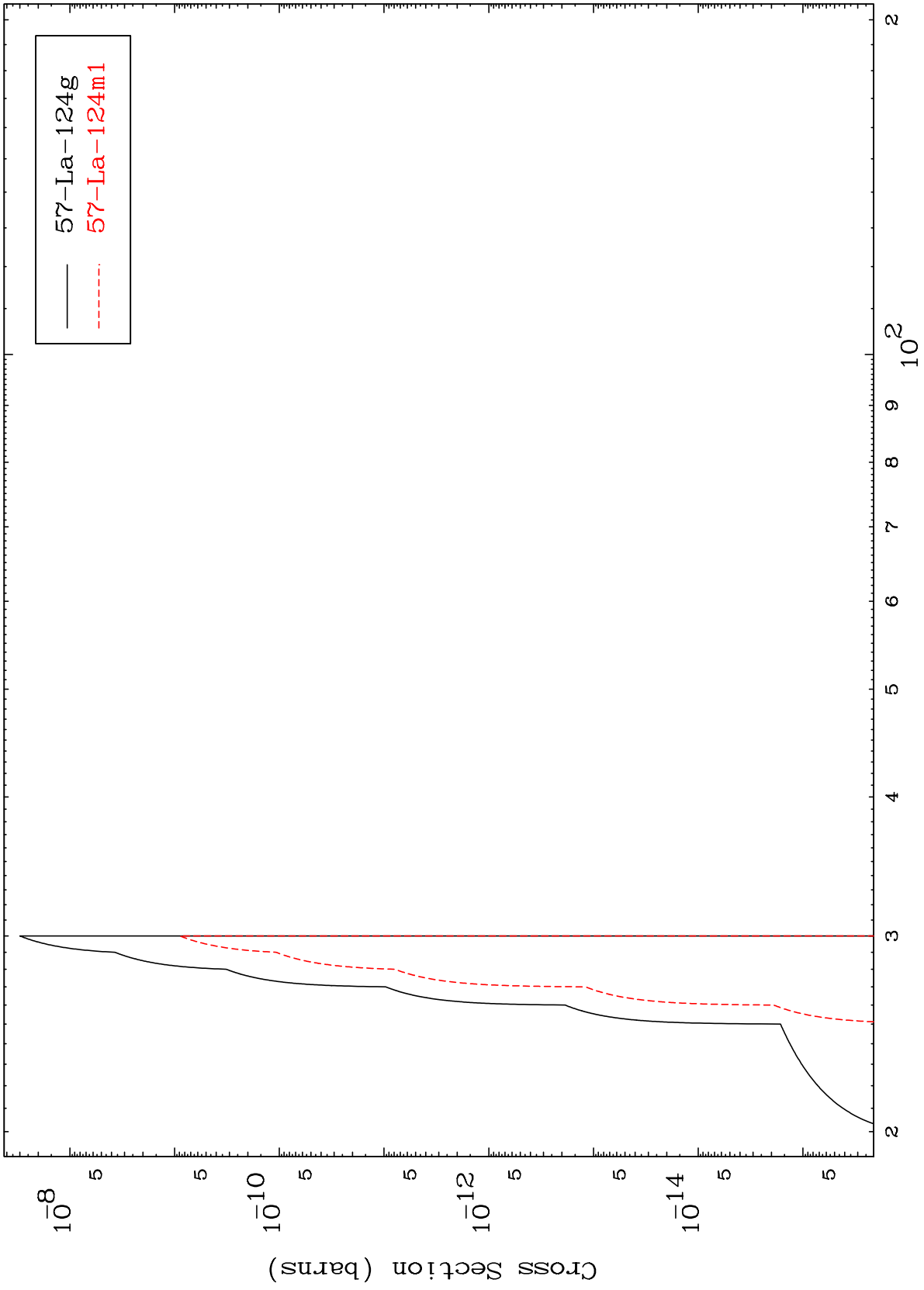
59-Pr-130

MAT 5892

(n,3n) α

59-Pr-130

Radionuclide Production Cross Section



26

Incident Energy (MeV)

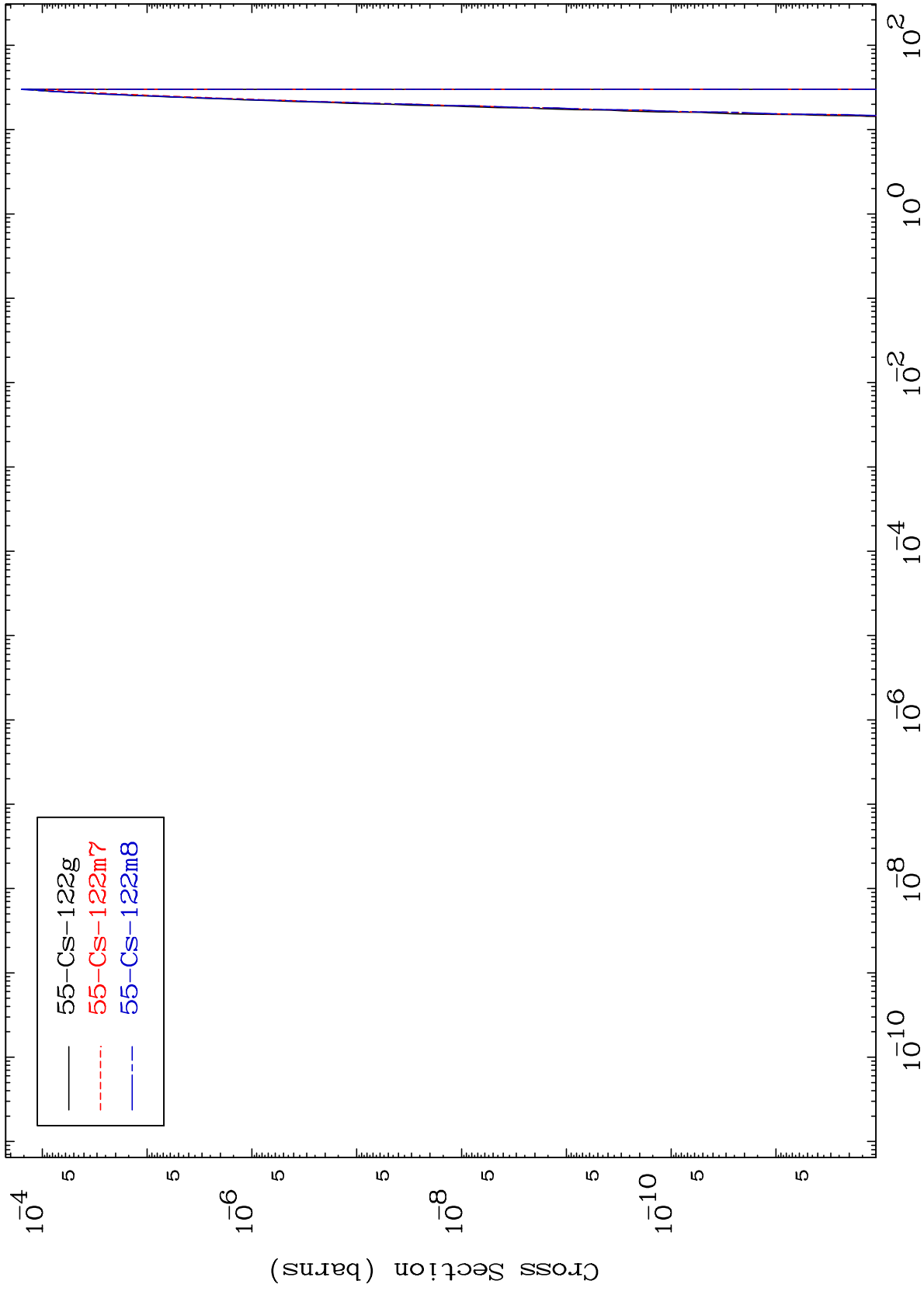
59-Pr-130

MAT 5892

(n,n') 2 α

59-Pr-130

Radionuclide Production Cross Section



27

Incident Energy (MeV)

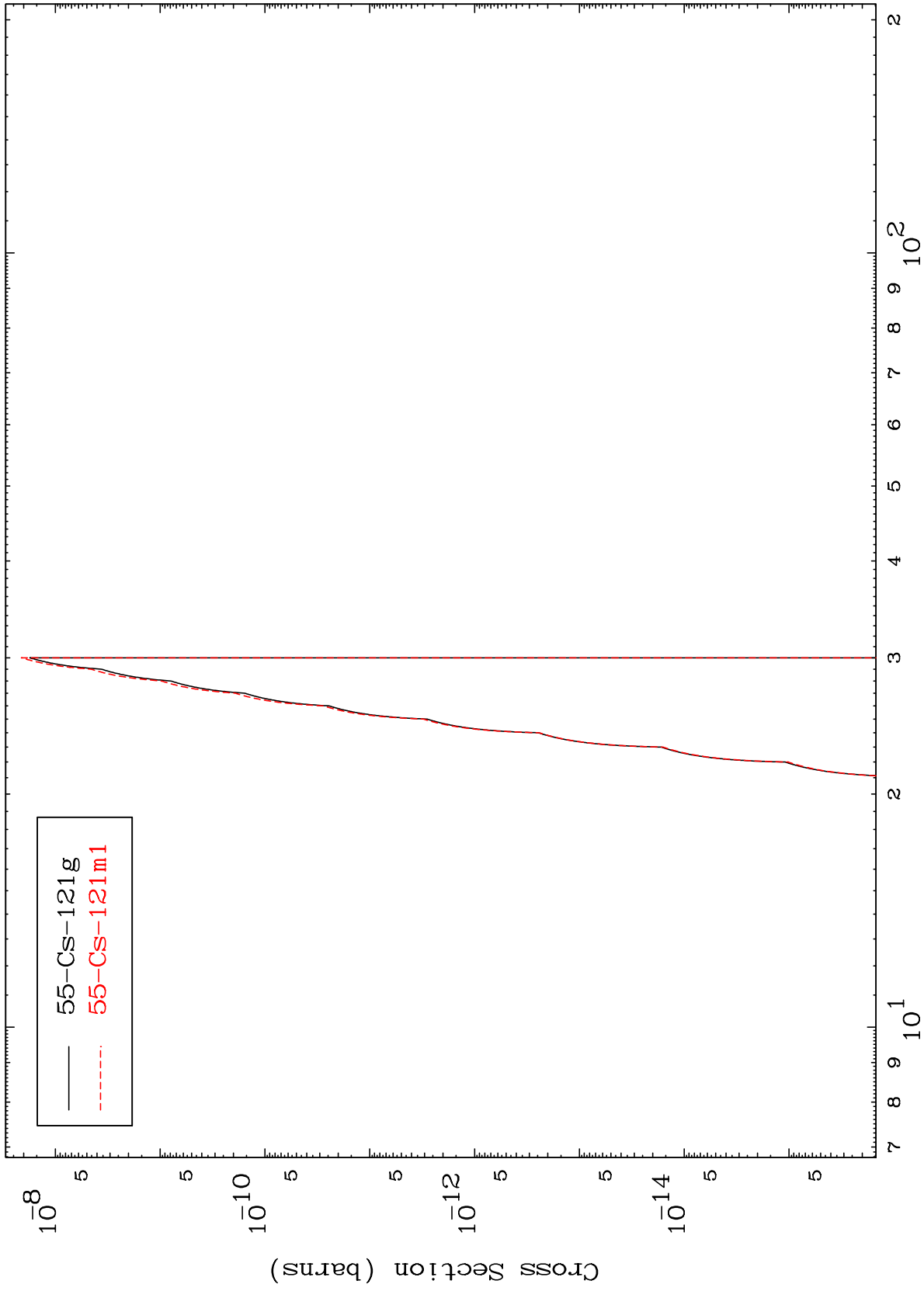
59-Pr-130

MAT 5892

(n,2n) 2α

59-Pr-130

Radionuclide Production Cross Section



28

Incident Energy (MeV)

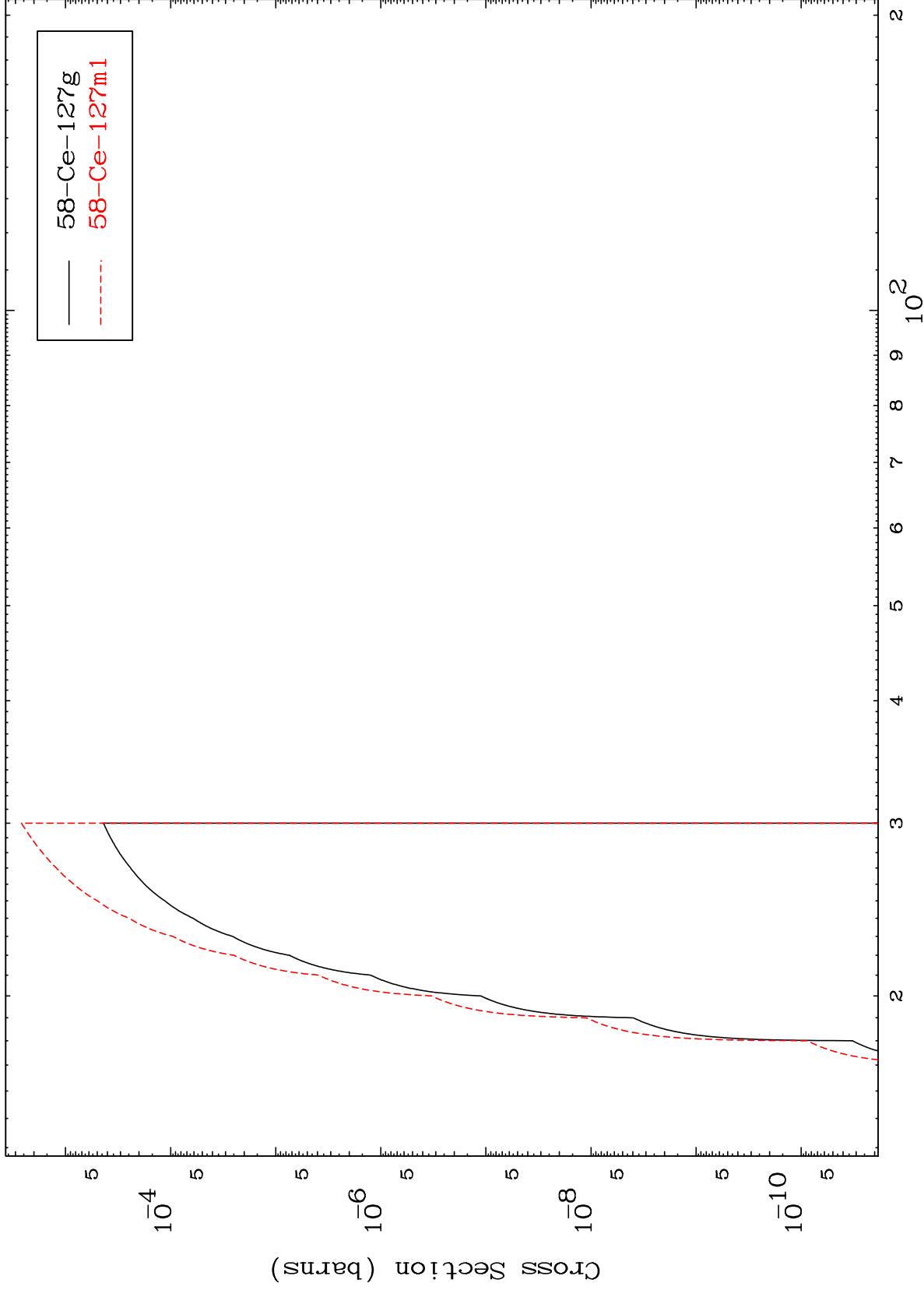
59-Pr-130

MAT 5892

(n,n') t

59-Pr-130

Radionuclide Production Cross Section



29

Incident Energy (MeV)

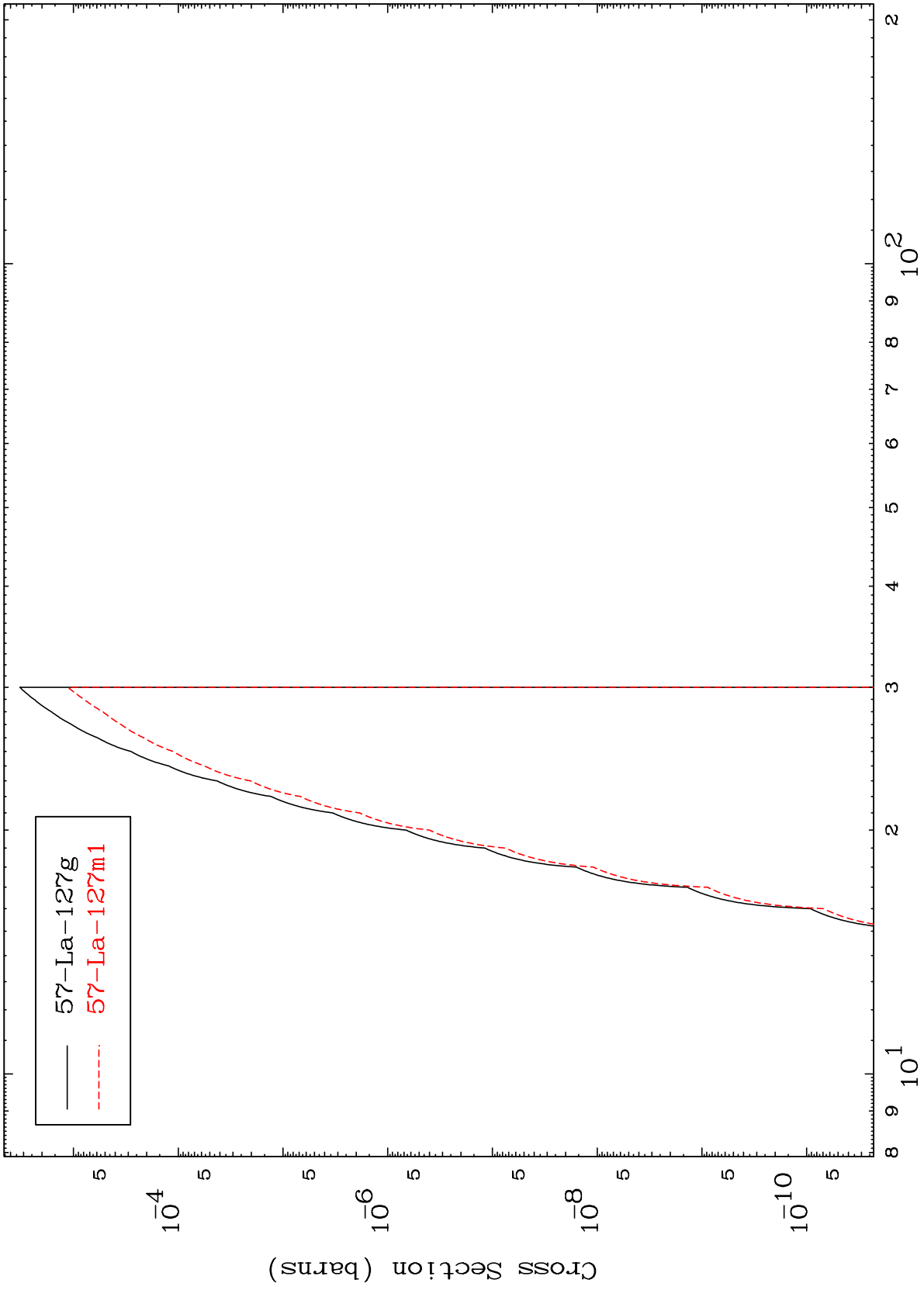
59-Pr-130

MAT 5892

(n, n') He-3

59-Pr-130

Radionuclide Production Cross Section



30

Incident Energy (MeV)

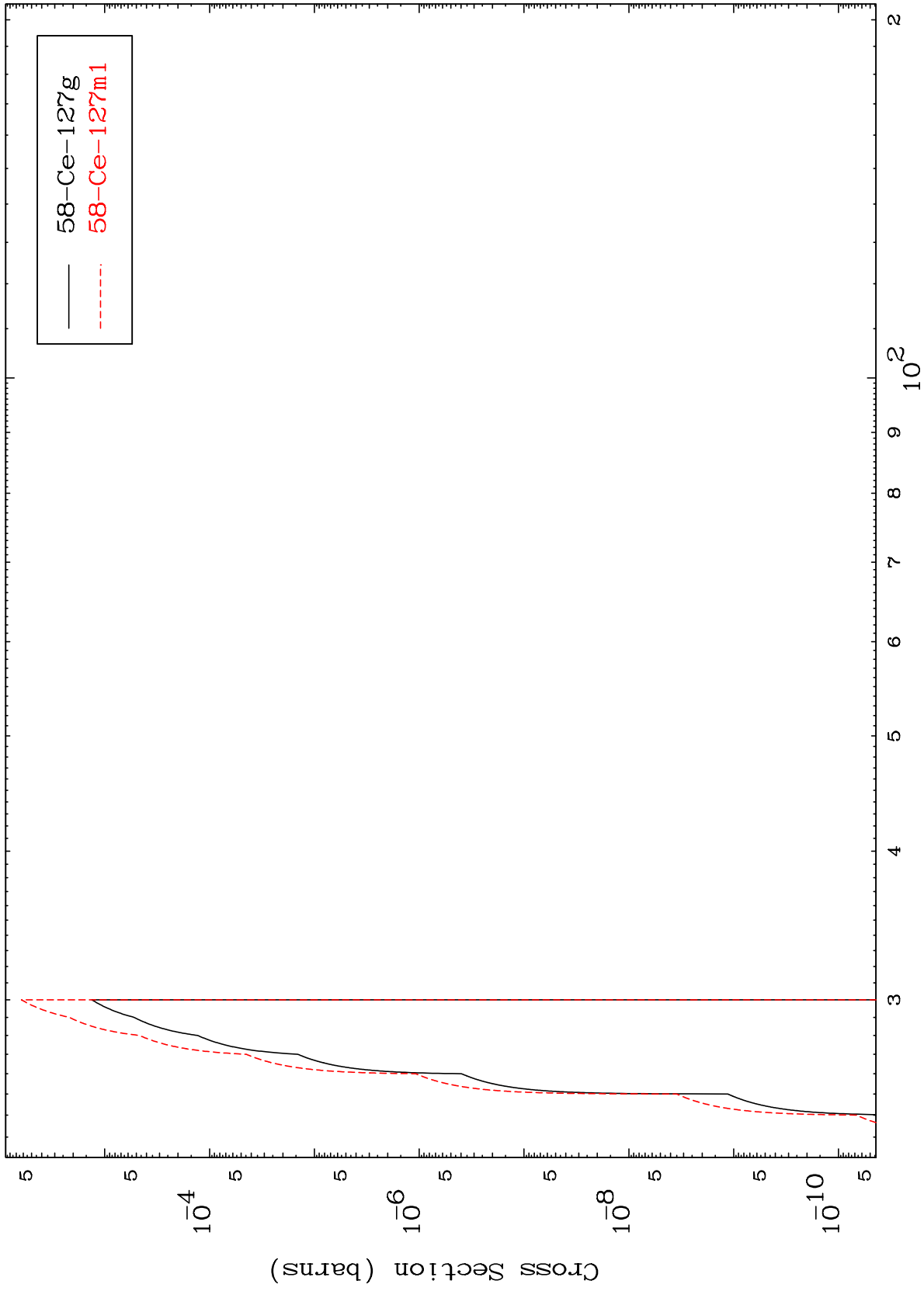
59-Pr-130

MAT 5892

(n,3n) p

59-Pr-130

Radionuclide Production Cross Section



31

Incident Energy (MeV)

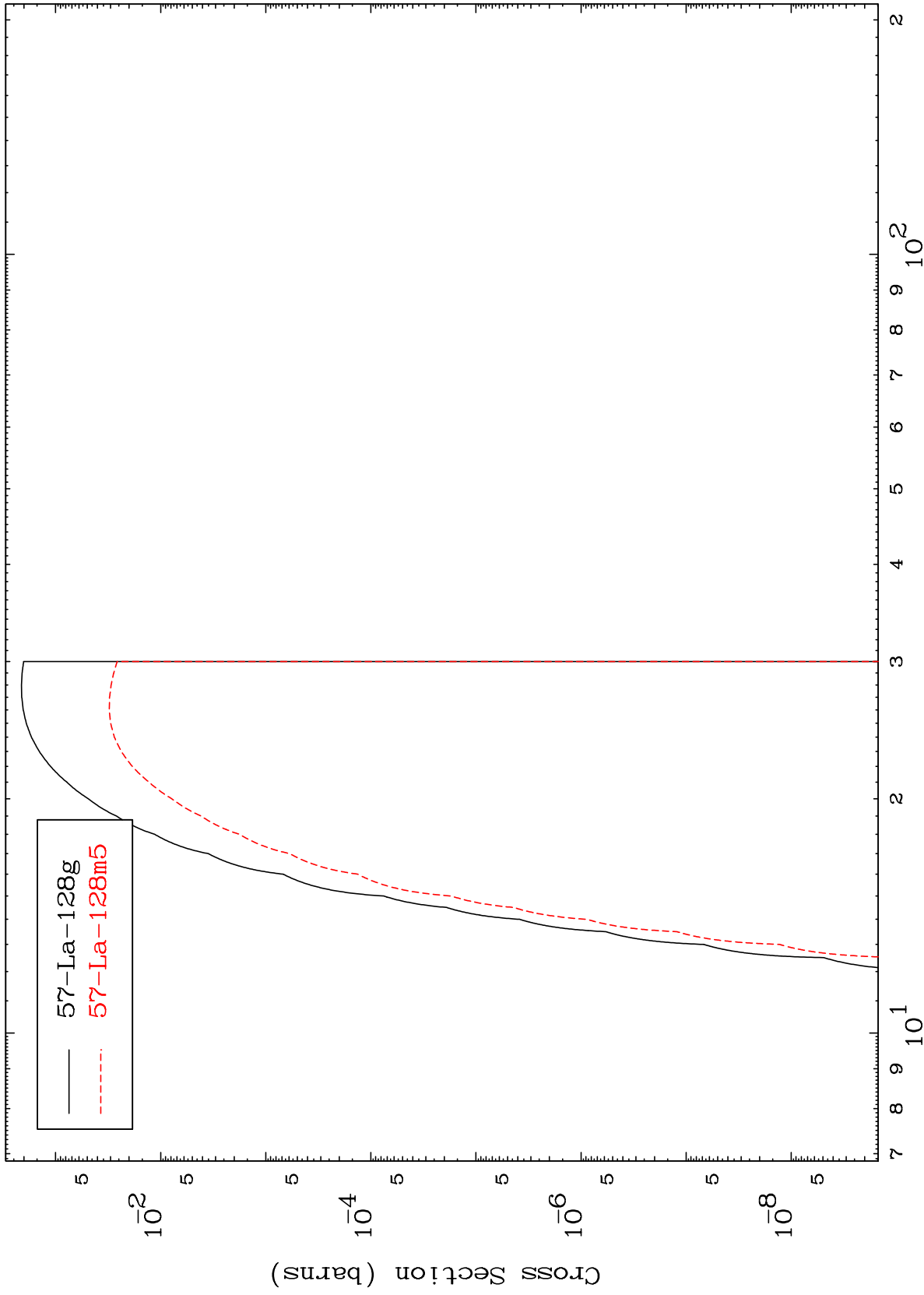
59-Pr-130

MAT 5892

(n,2n) p

59-Pr-130

Radionuclide Production Cross Section



32

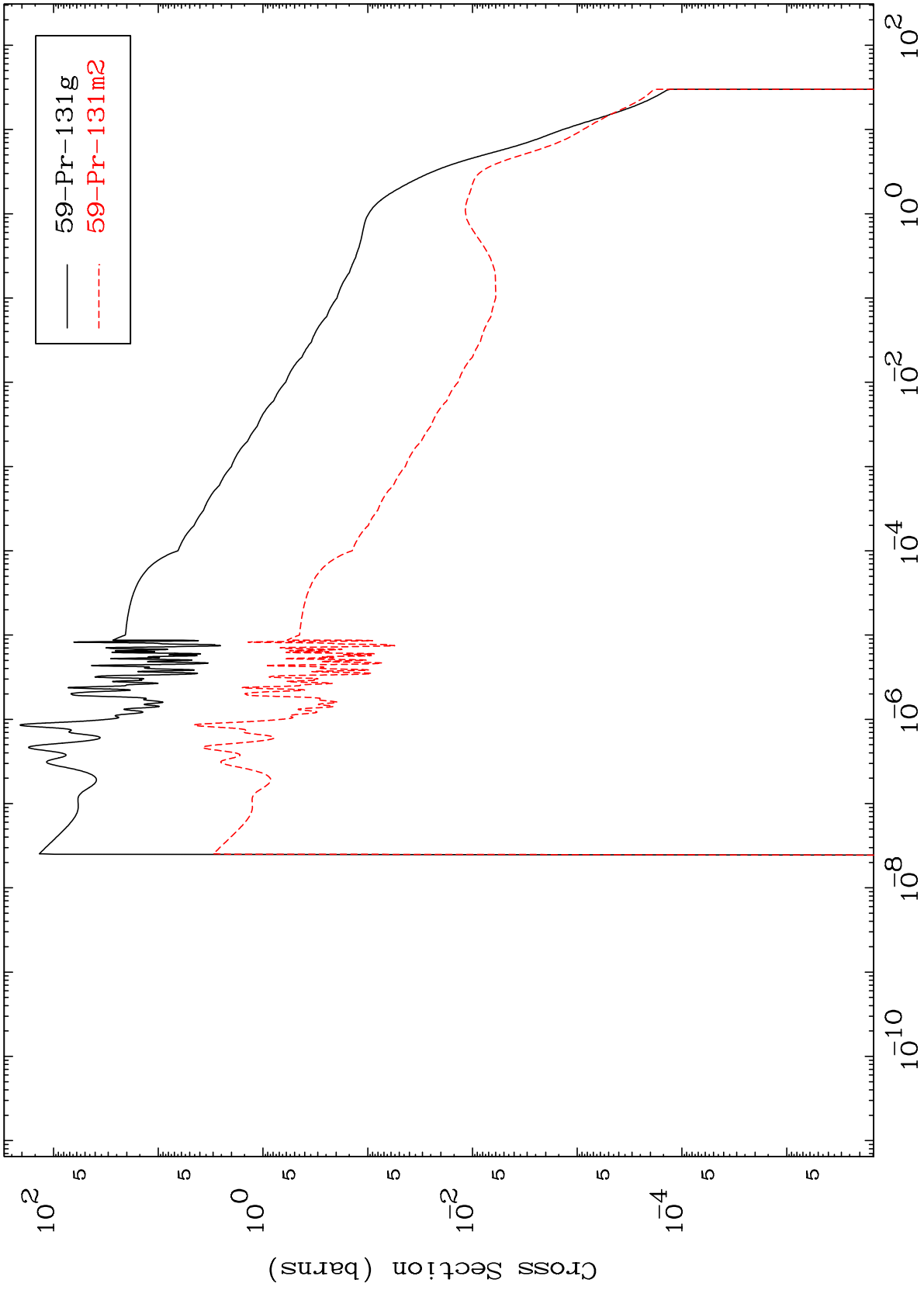
Incident Energy (MeV)

59-Pr-130

MAT 5892

59-Pr-130

(n,γ)
Radionuclide Production Cross Section



33

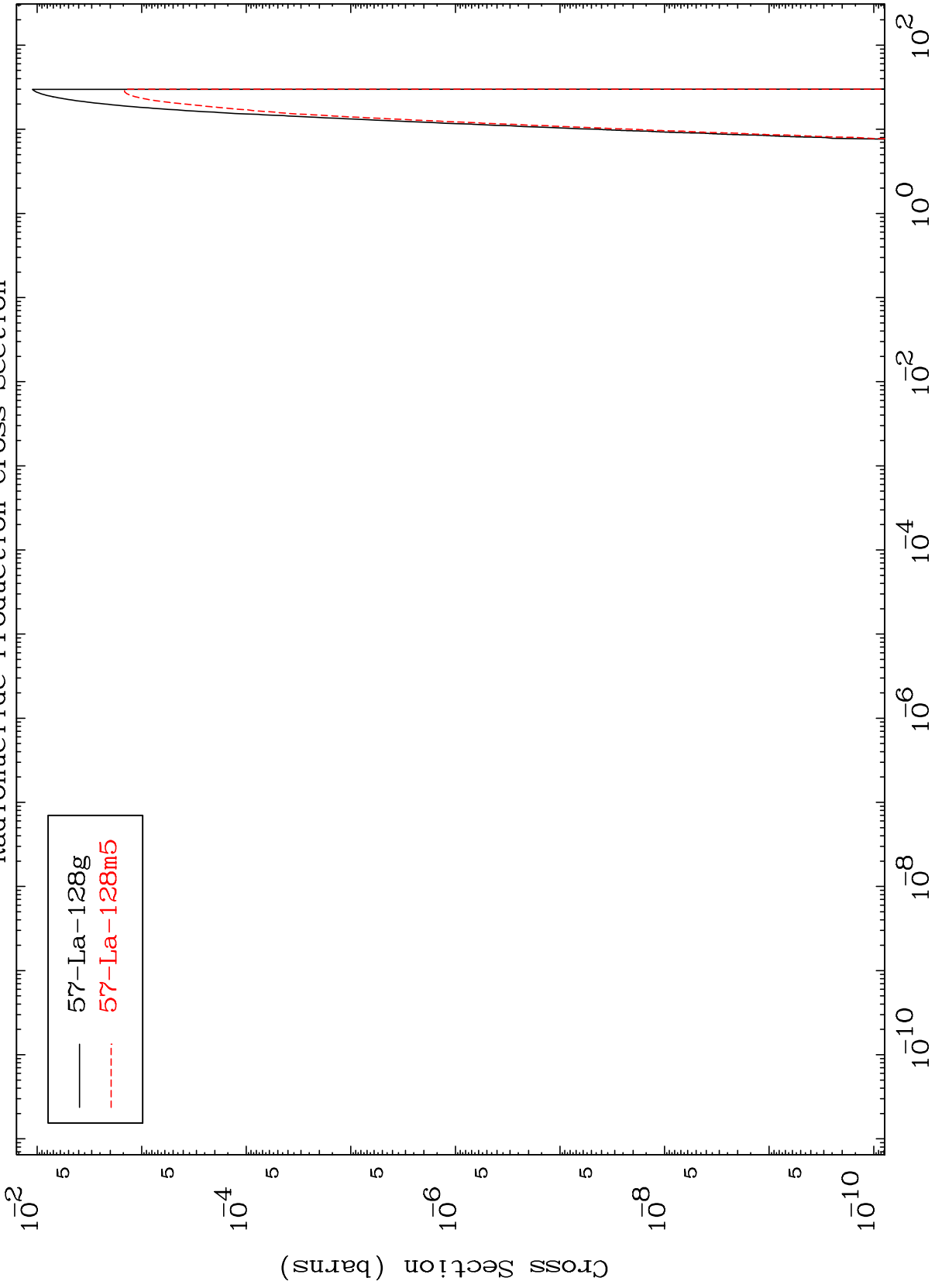
59-Pr-130

MAT 5892

(n, He-3)

59-Pr-130

Radionuclide Production Cross Section



34

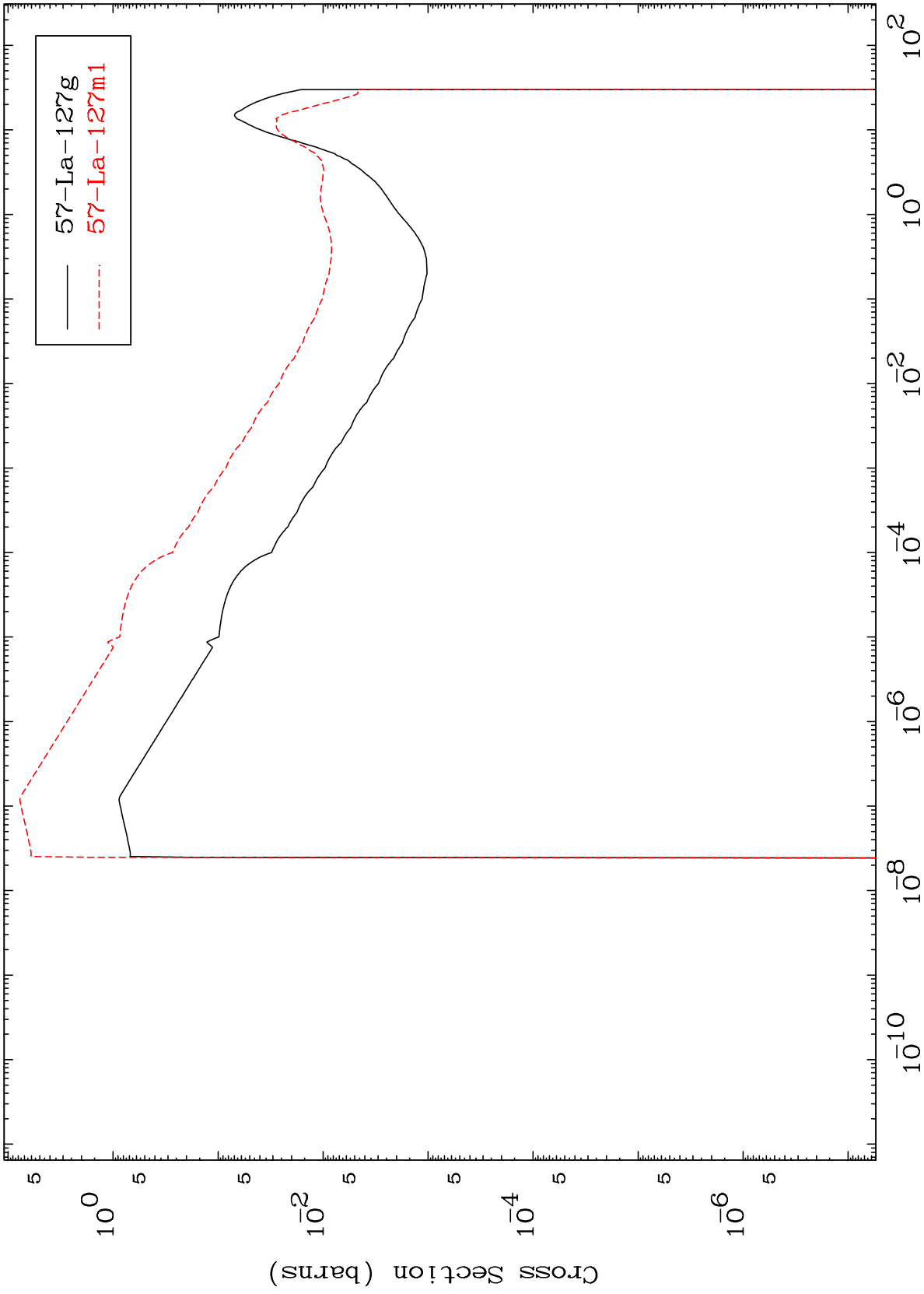
Incident Energy (MeV)

59-Pr-130

MAT 5892

59-Pr-130

(n,α)
Radionuclide Production Cross Section



35

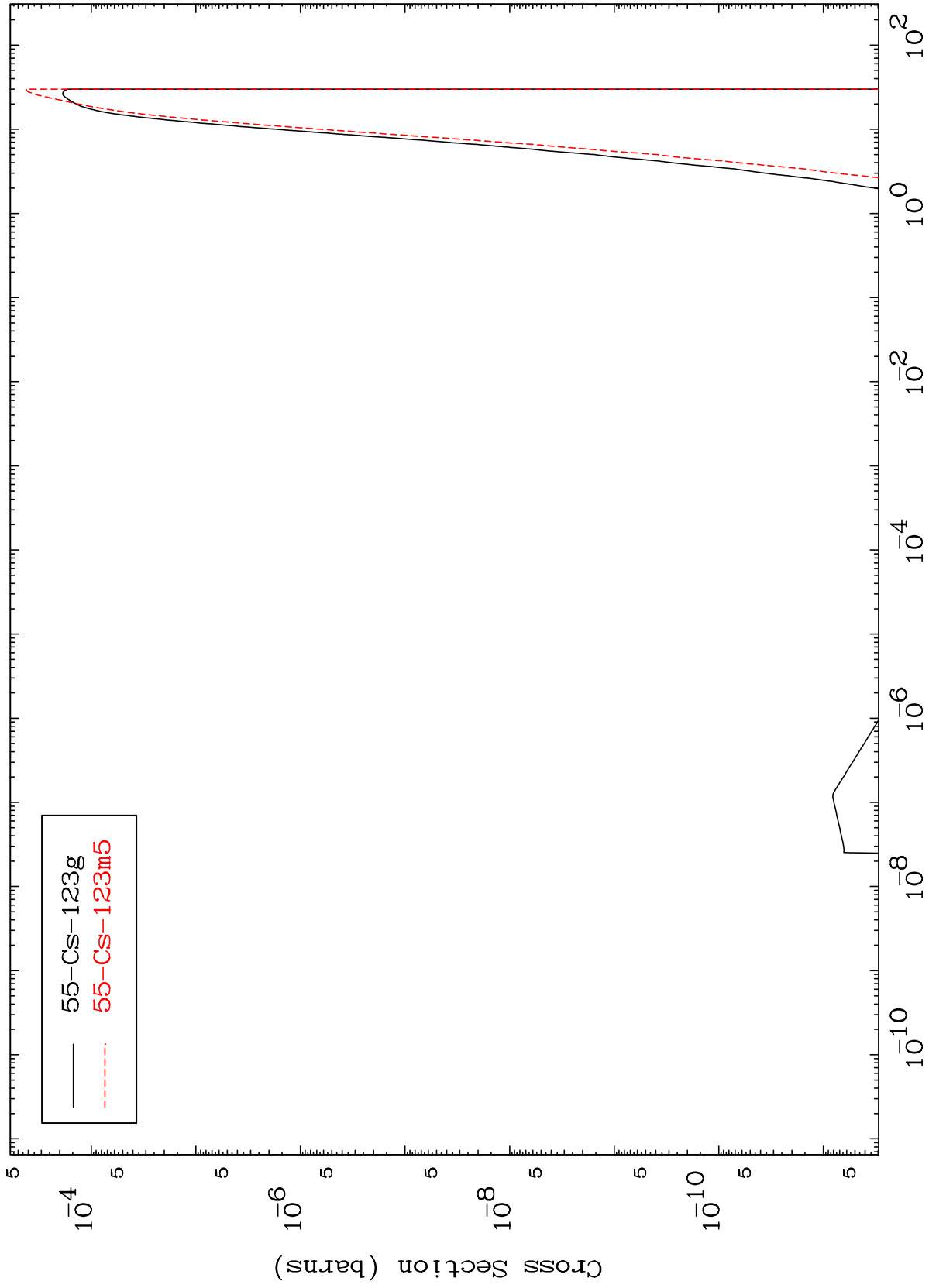
59-Pr-130

MAT 5892

(n,2α)

59-Pr-130

Radionuclide Production Cross Section



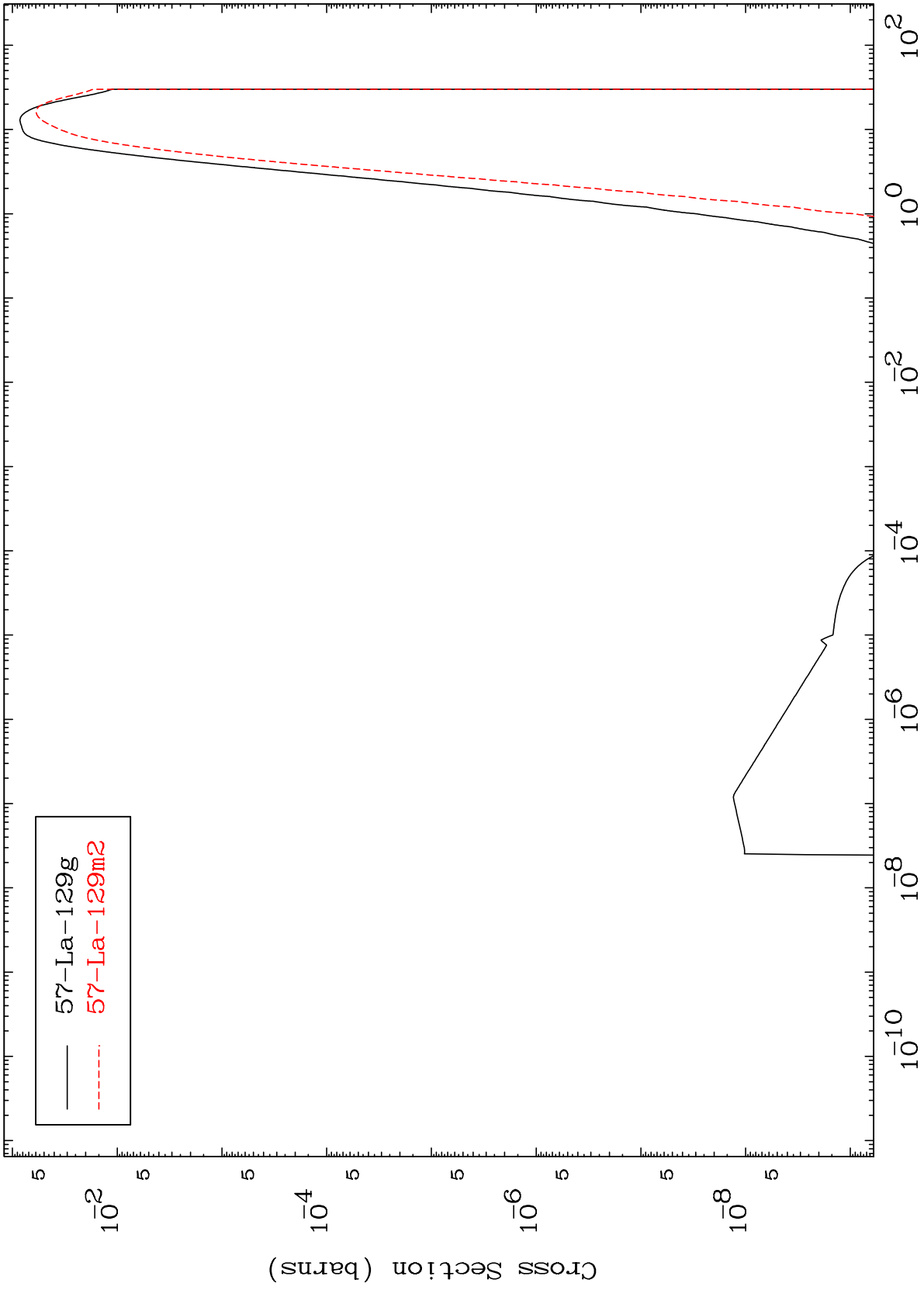
36

59-Pr-130

MAT 5892

Radionuclide Production Cross Section
(n,2p)

59-Pr-130



37

Incident Energy (MeV)

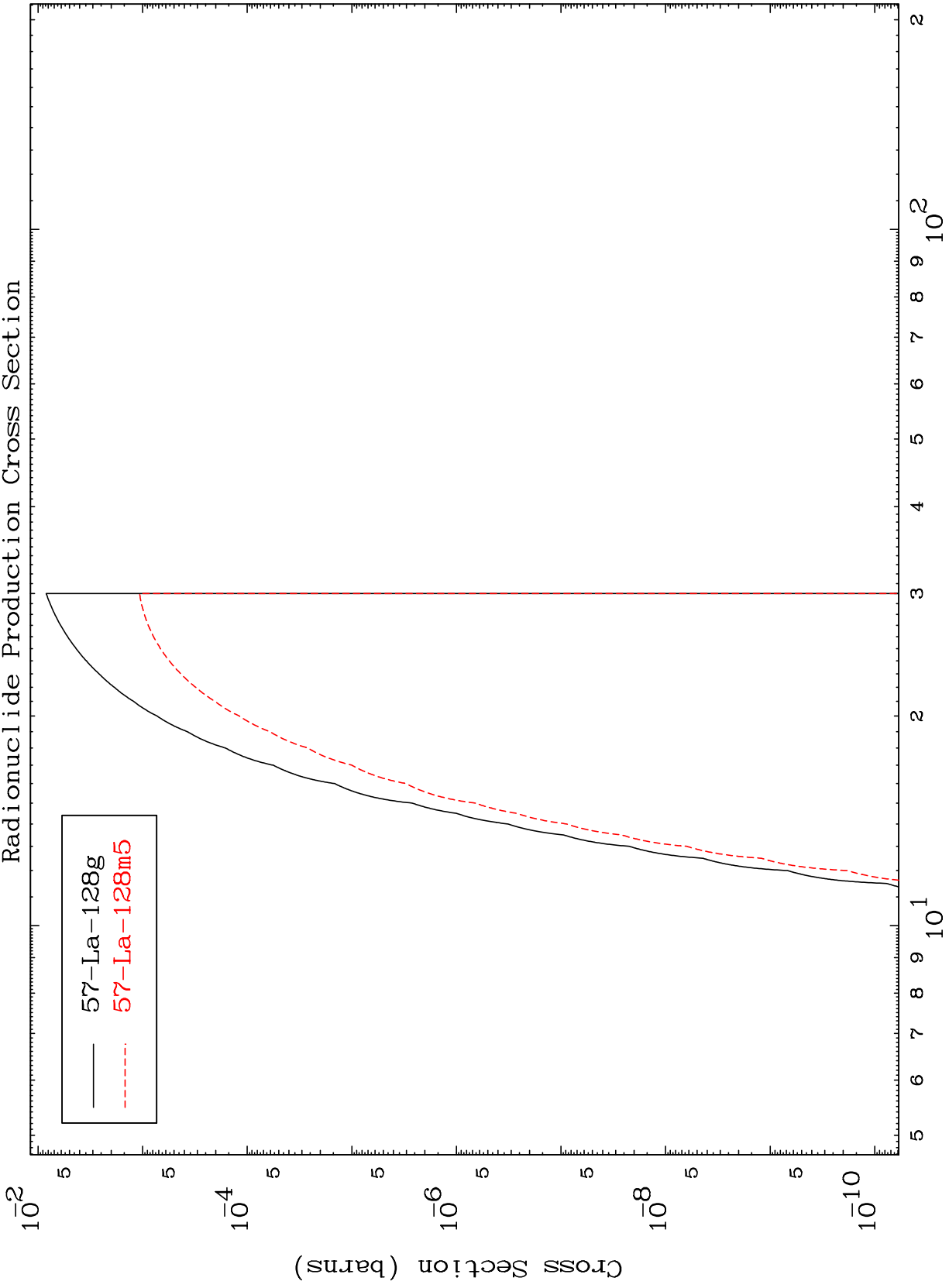
59-Pr-130

MAT 5892

(n,p) d

59-Pr-130

Radionuclide Production Cross Section



38

Incident Energy (MeV)

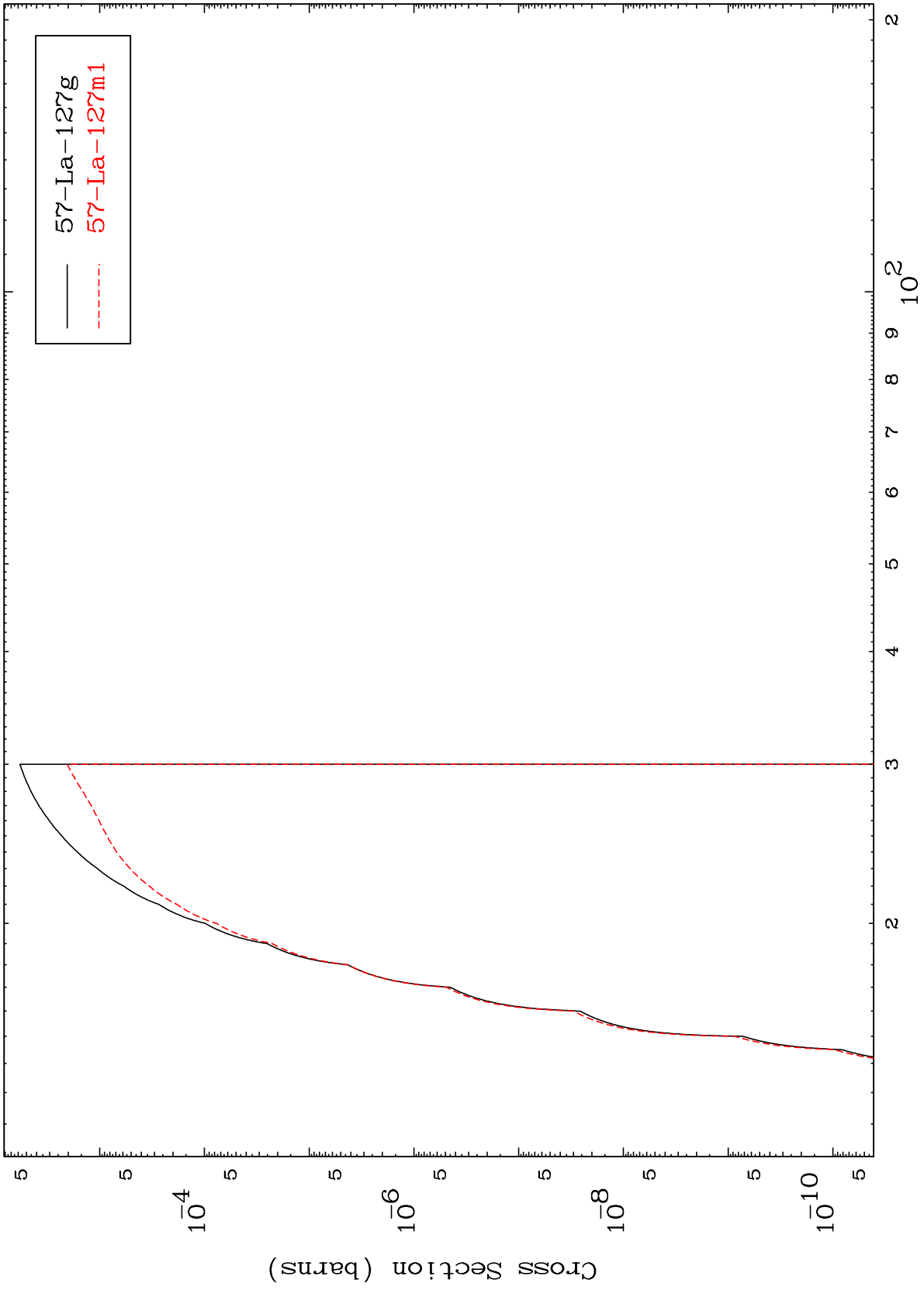
59-Pr-130

MAT 5892

(n,p) t

59-Pr-130

Radionuclide Production Cross Section



39

Incident Energy (MeV)

59-Pr-130