

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

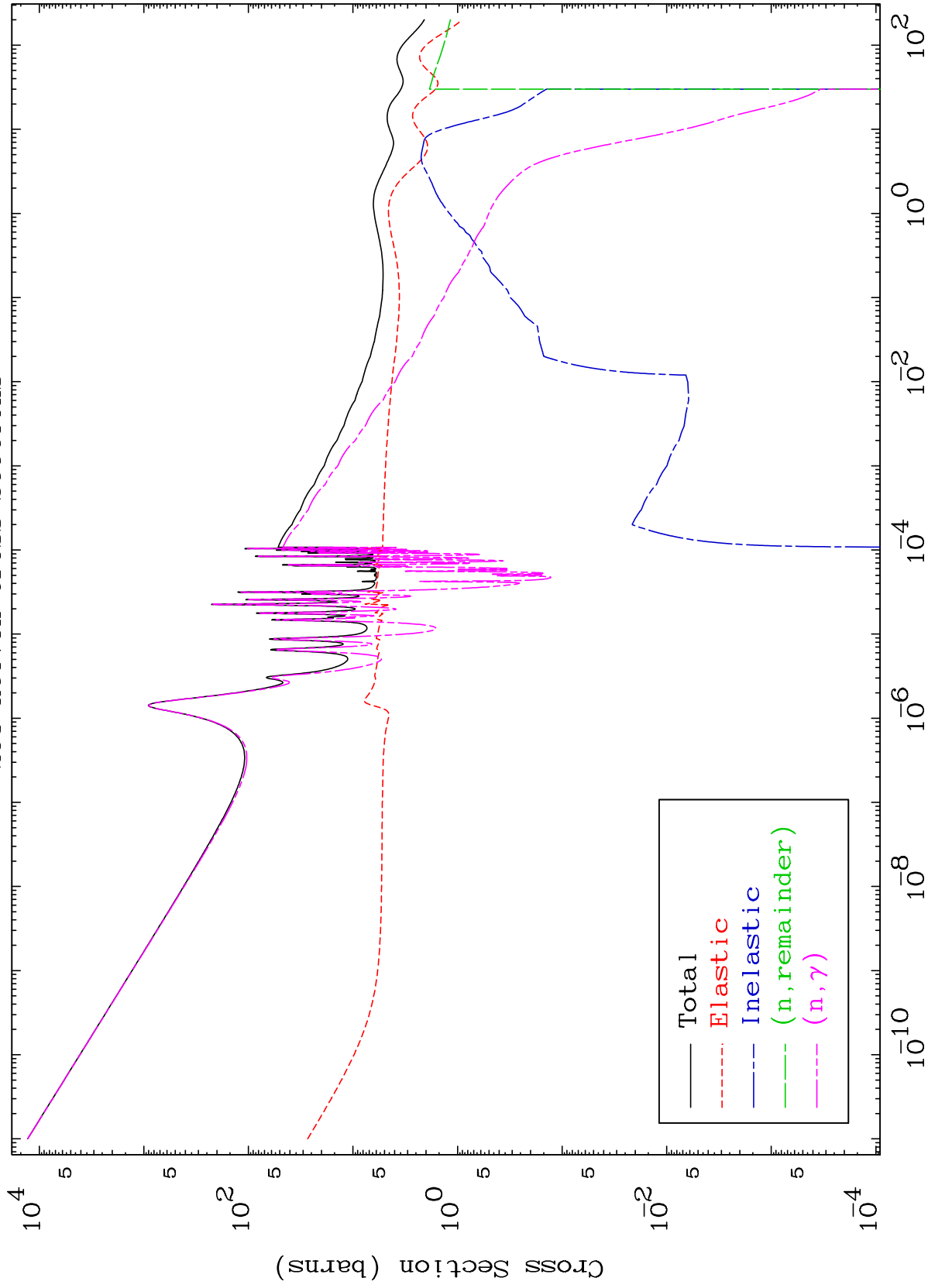
Press Mouse Button to Start

MAT 5435

Major

293 Kelvin Cross Sections

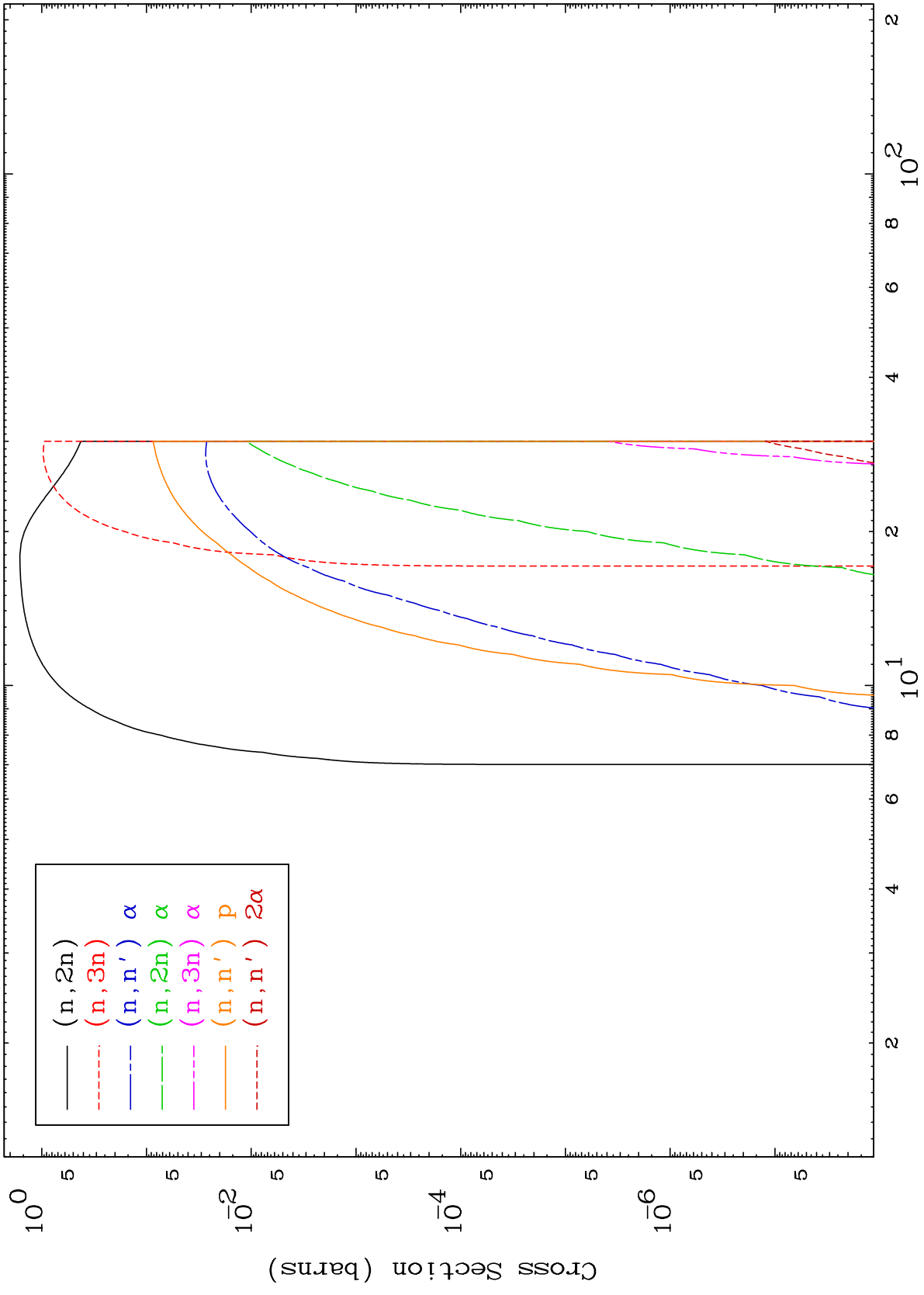
54-Xe-127



MAT 5435

Neutron Production
293 Kelvin Cross Sections

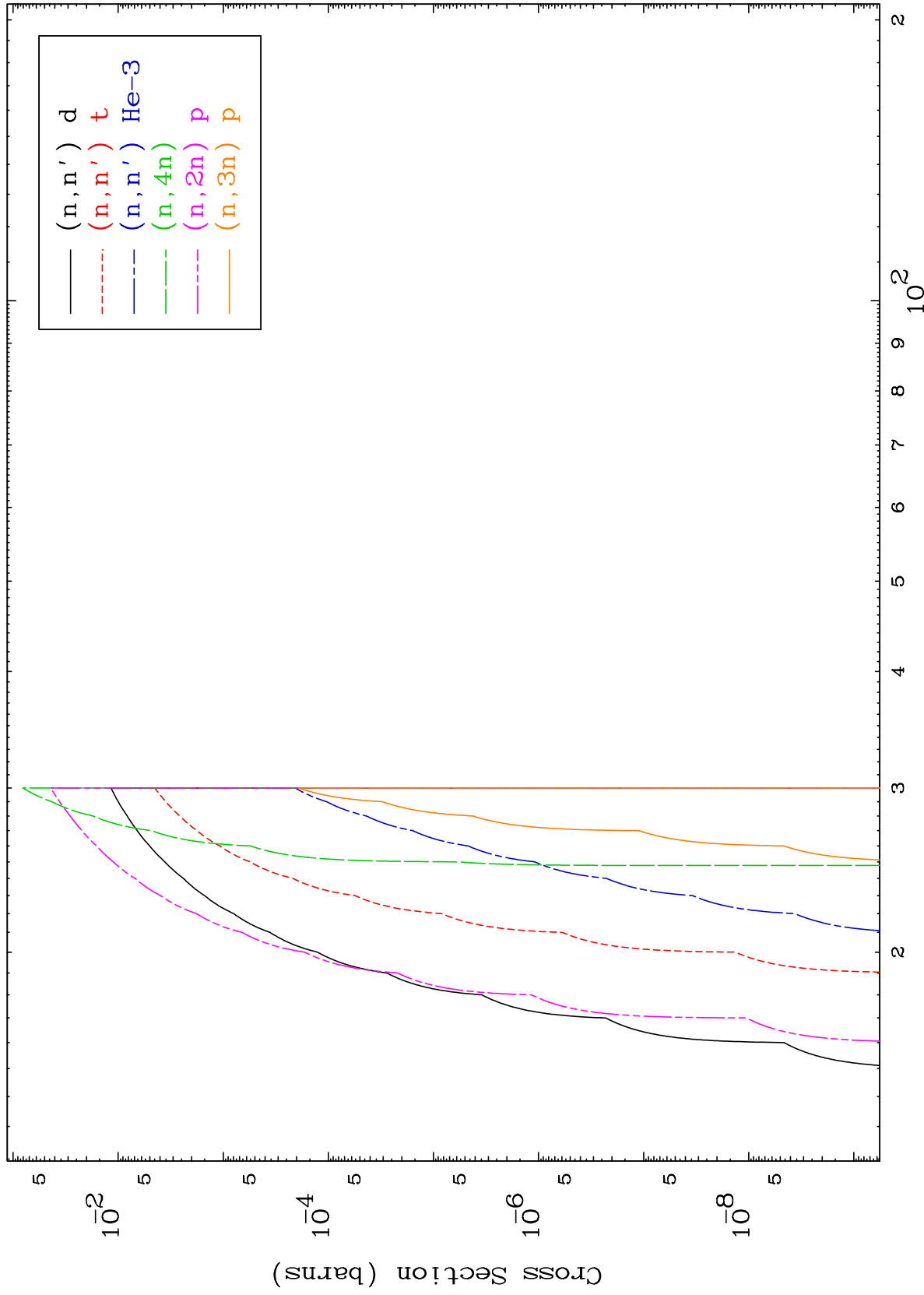
54-Xe-127

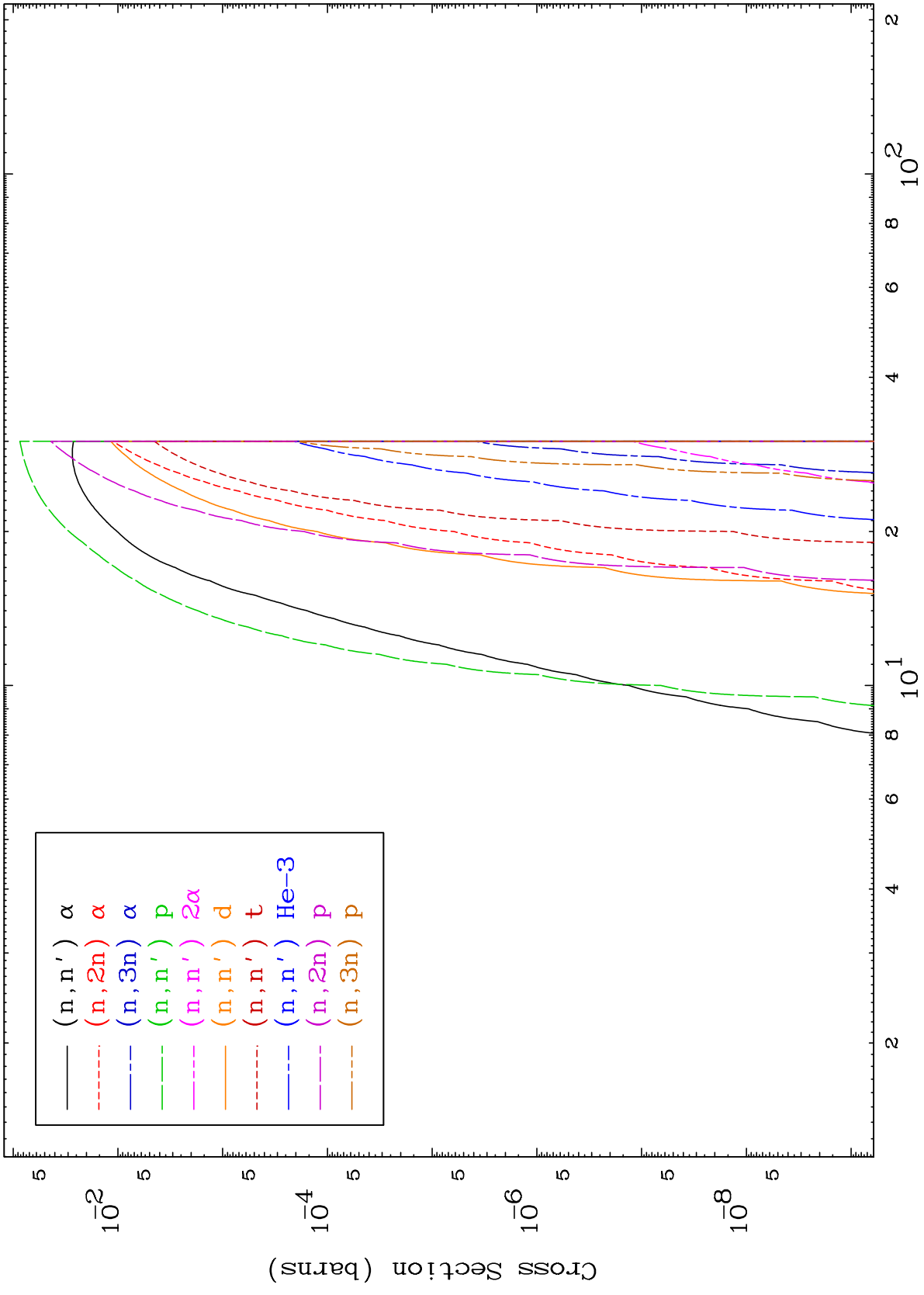


2

Incident Energy (MeV)

54-Xe-127

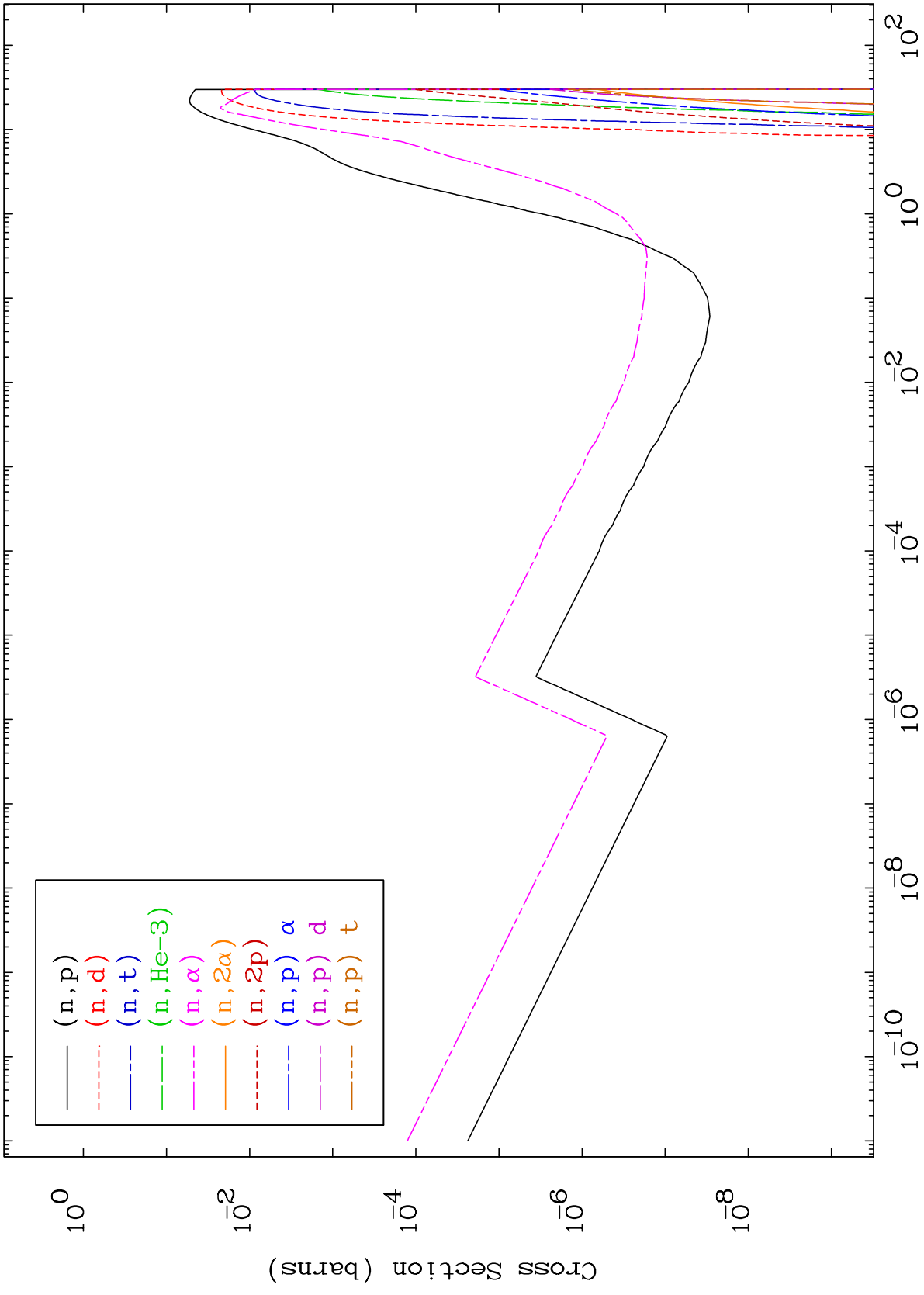




MAT 5435

293 Kelvin Cross Sections

54-Xe-127

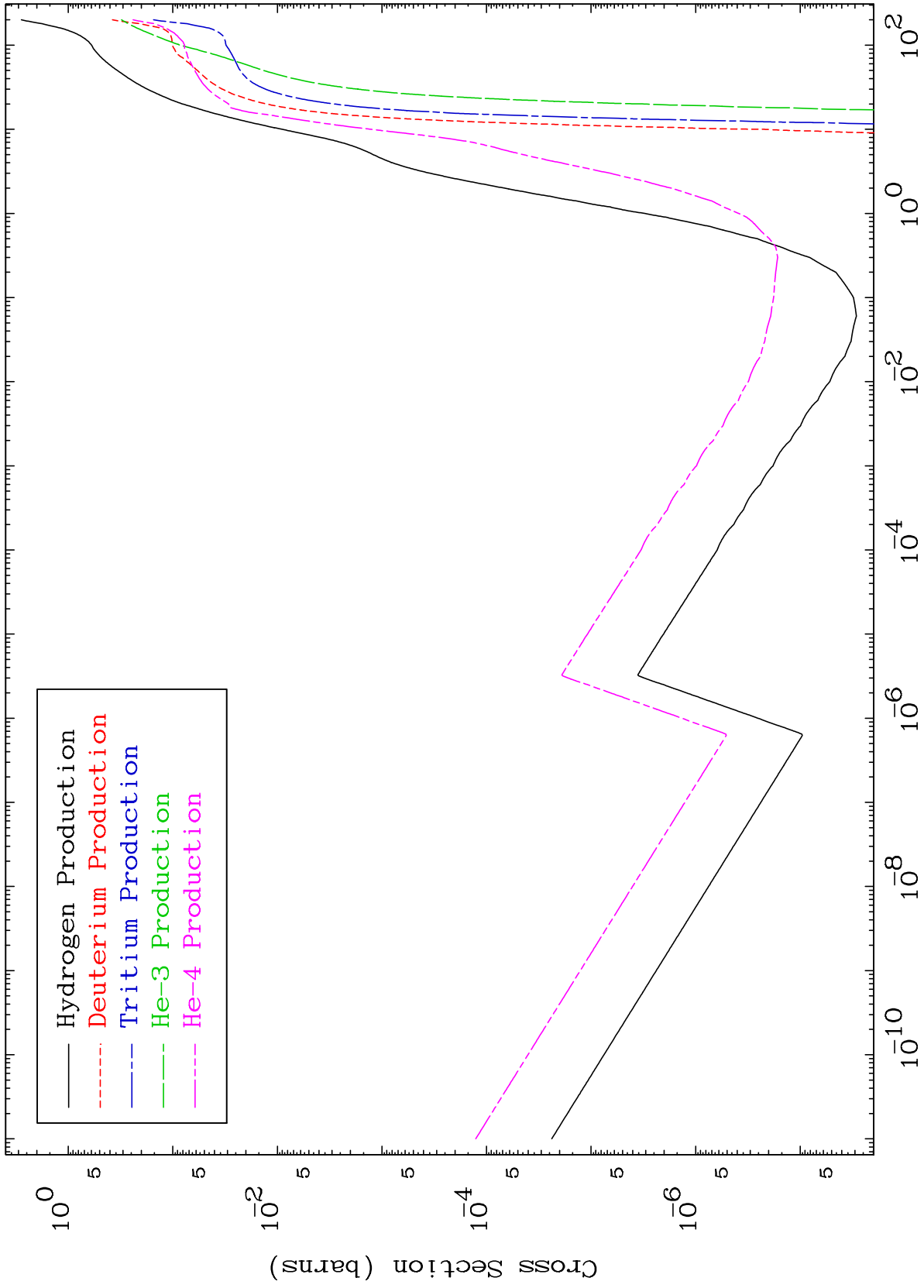


54-Xe-127

MAT 5435

Particle Production
293 Kelvin Cross Sections

54-Xe-127



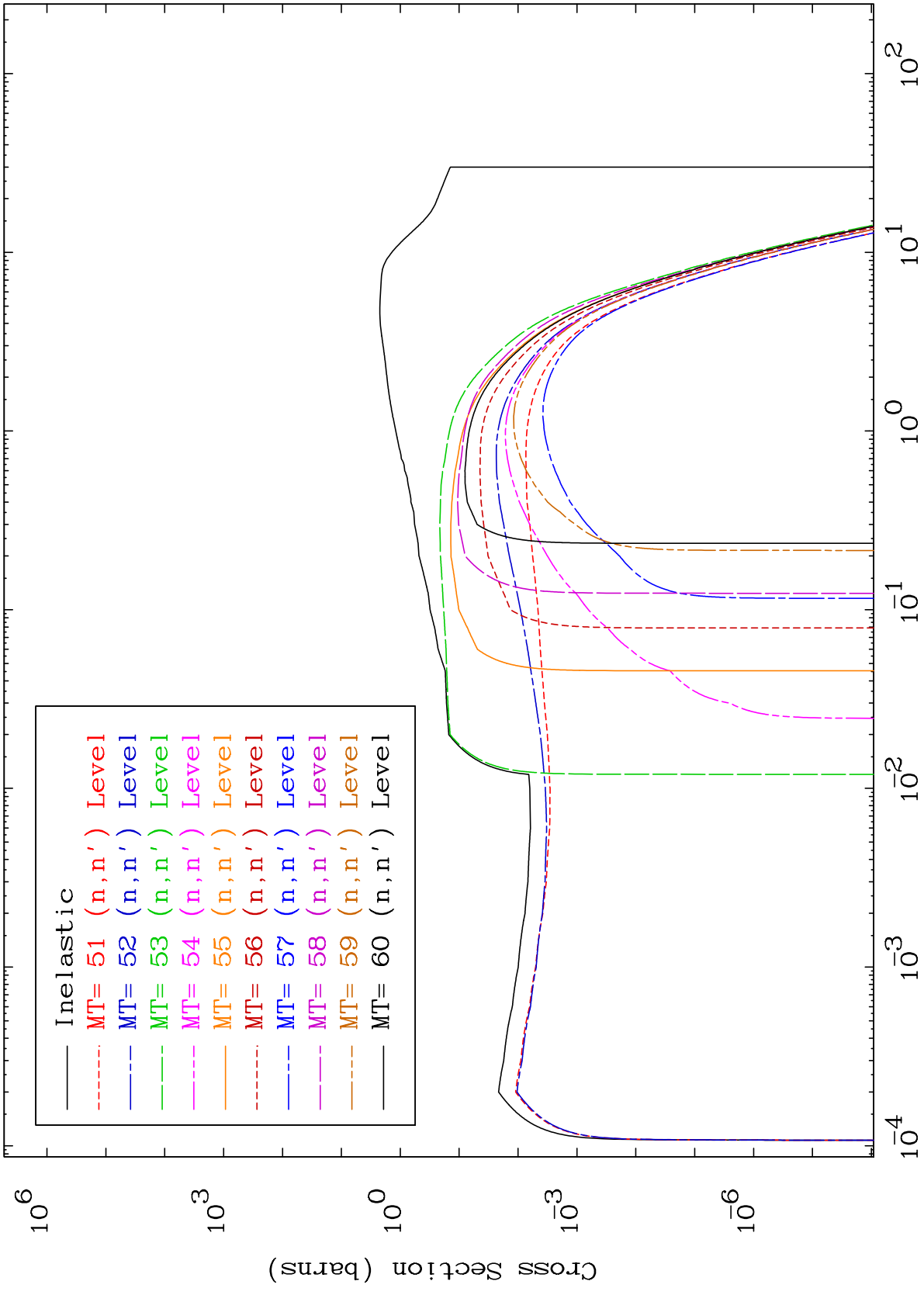
6

54-Xe-127

MAT 5435

293 Kelvin Cross Sections

54-Xe-127



7

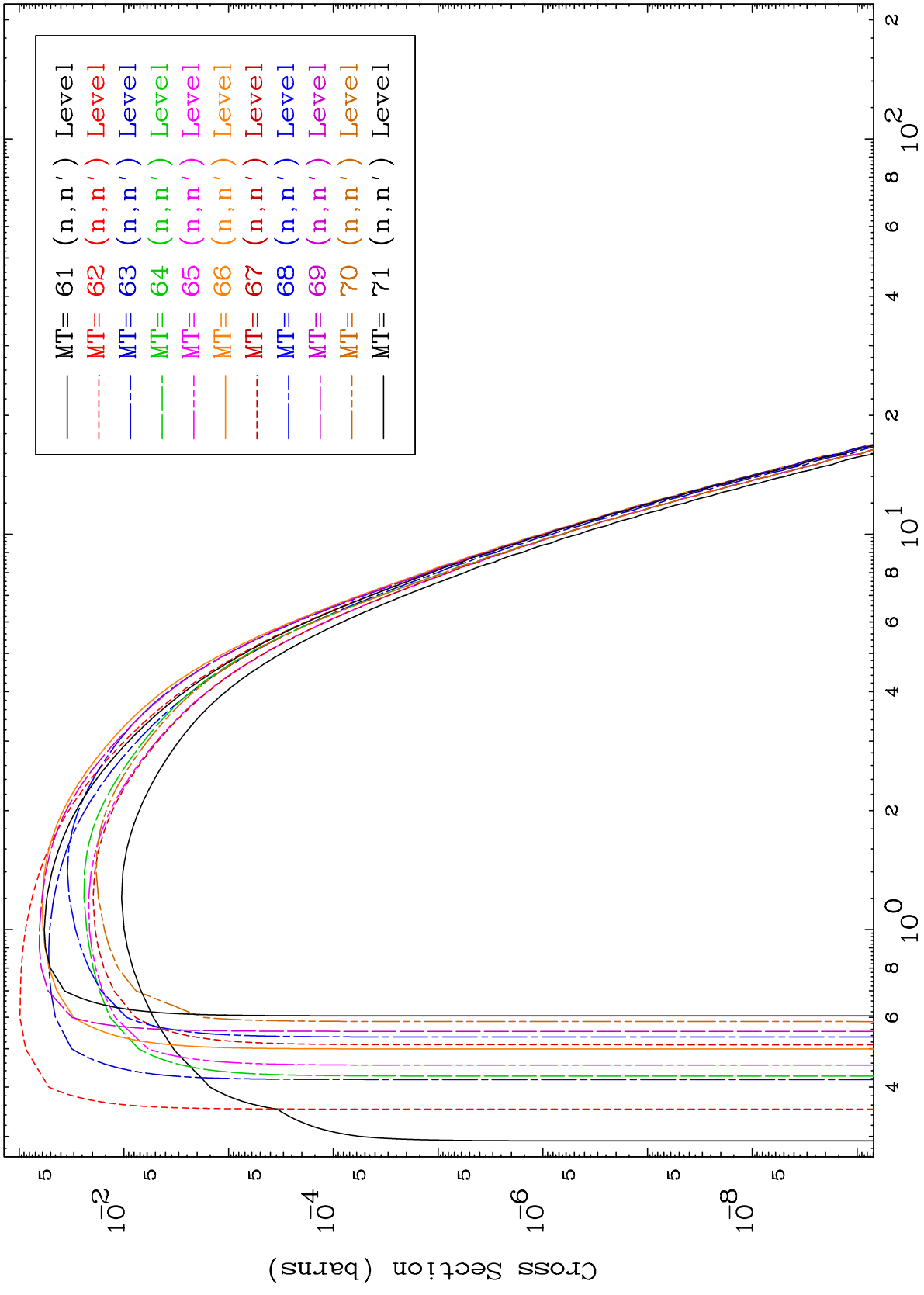
54-Xe-127

MAT 5435

(n,n') Level

54-Xe-127

293 Kelvin Cross Sections



8

Incident Energy (MeV)

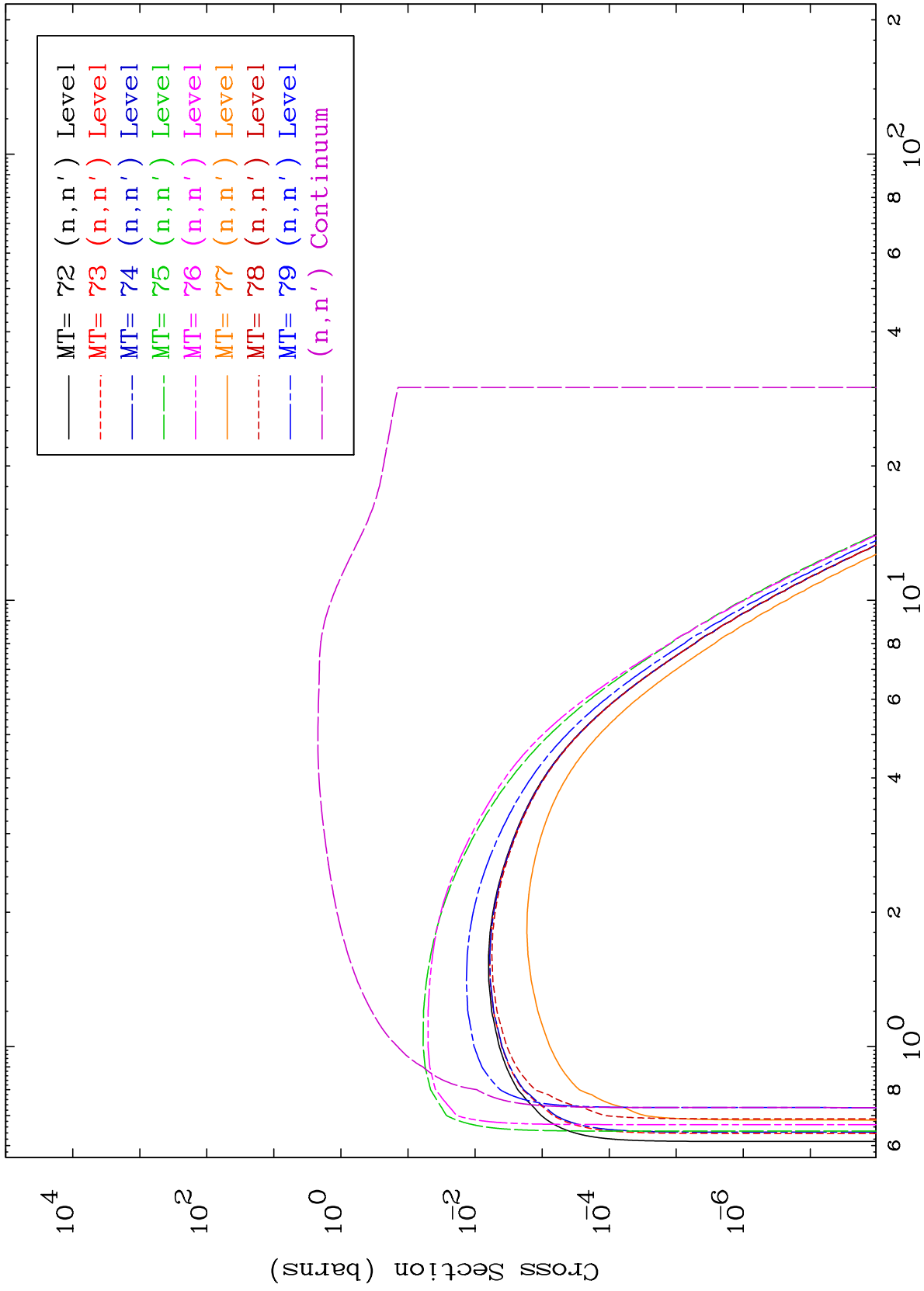
54-Xe-127

MAT 5435

(n,n') Level

54-Xe-127

293 Kelvin Cross Sections



9

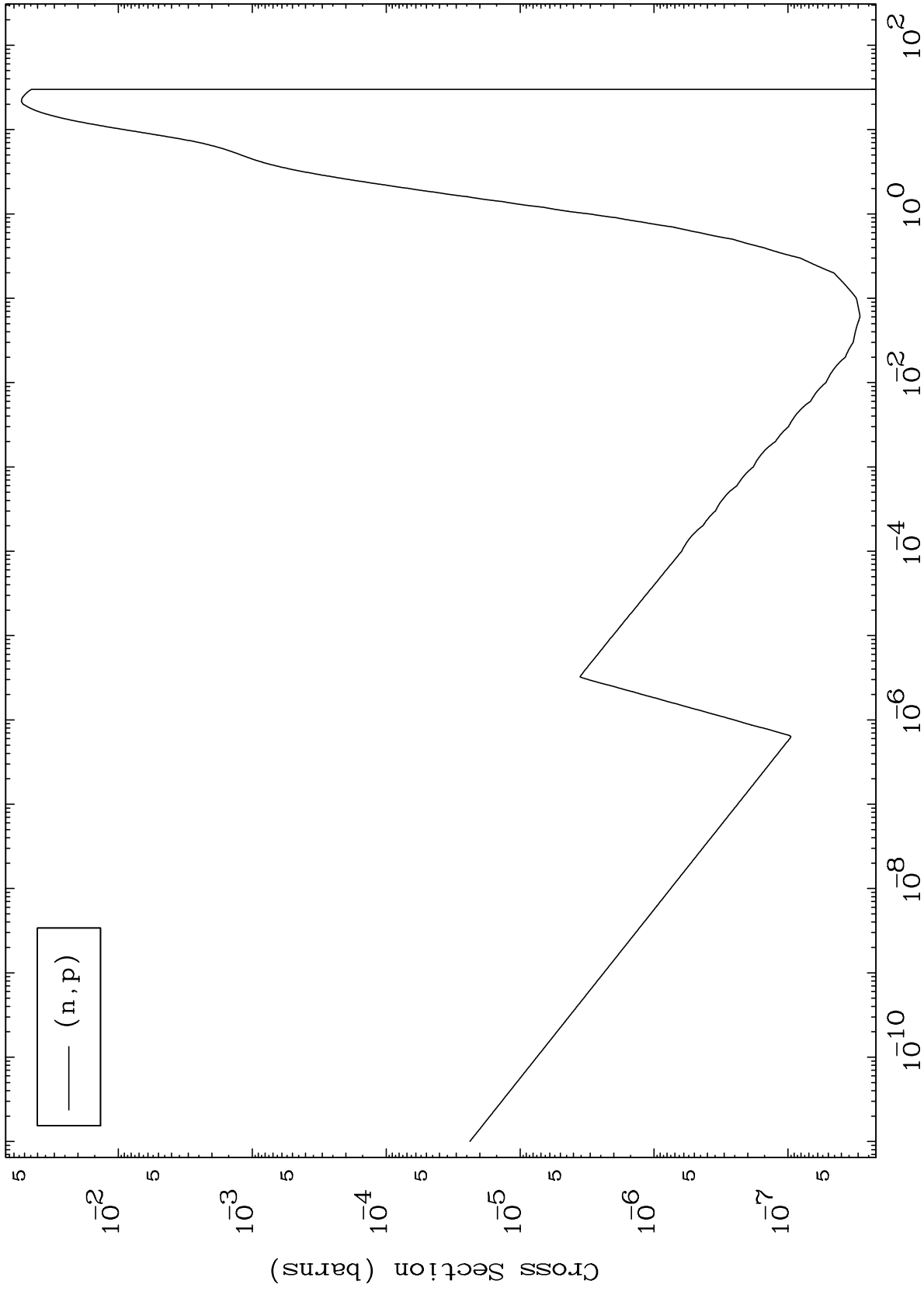
Incident Energy (MeV)

54-Xe-127

MAT 5435

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-127



10

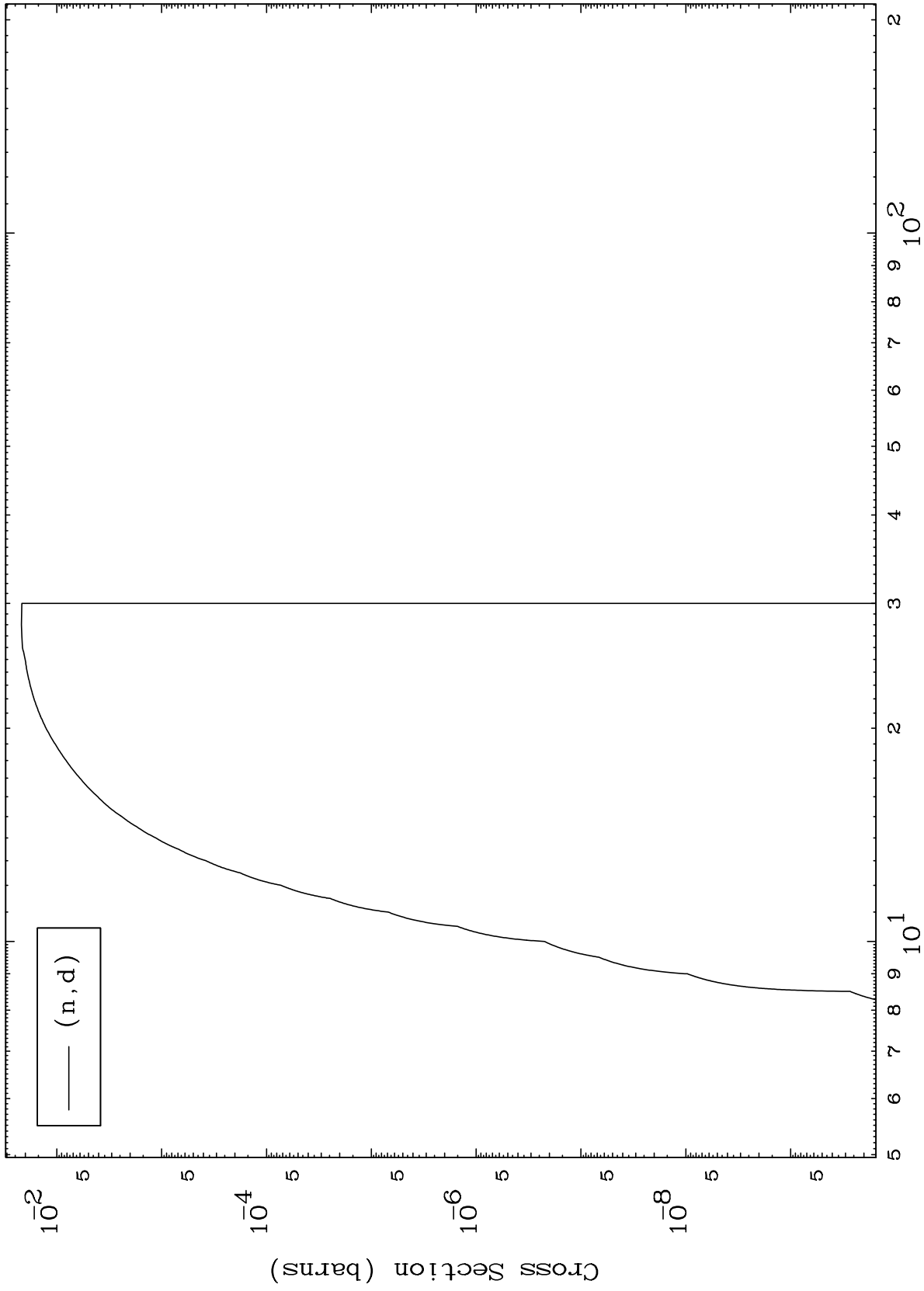
Incident Energy (MeV)

54-Xe-127

MAT 5435

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-127



11

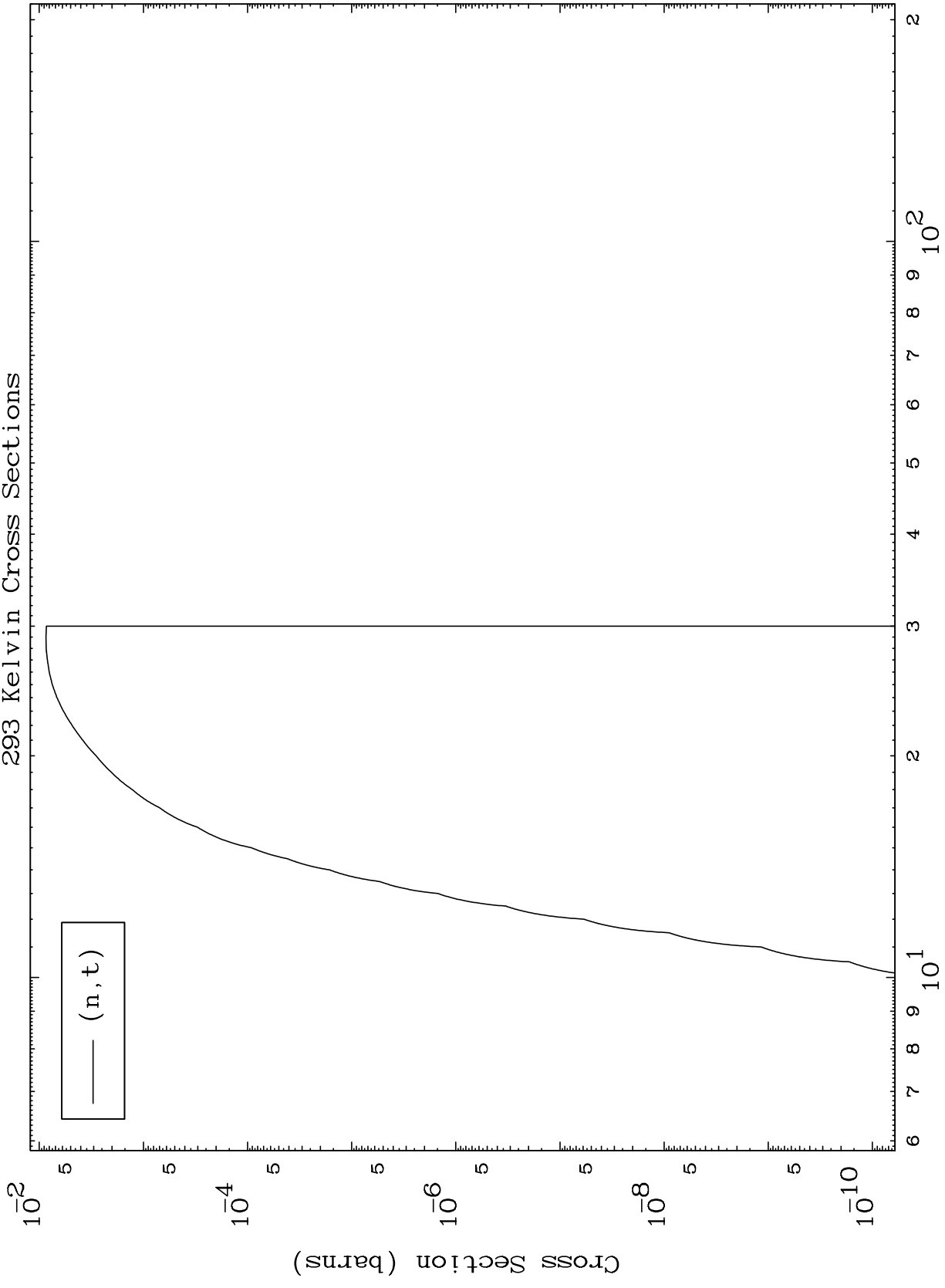
Incident Energy (MeV)

54-Xe-127

MAT 5435

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-127



12

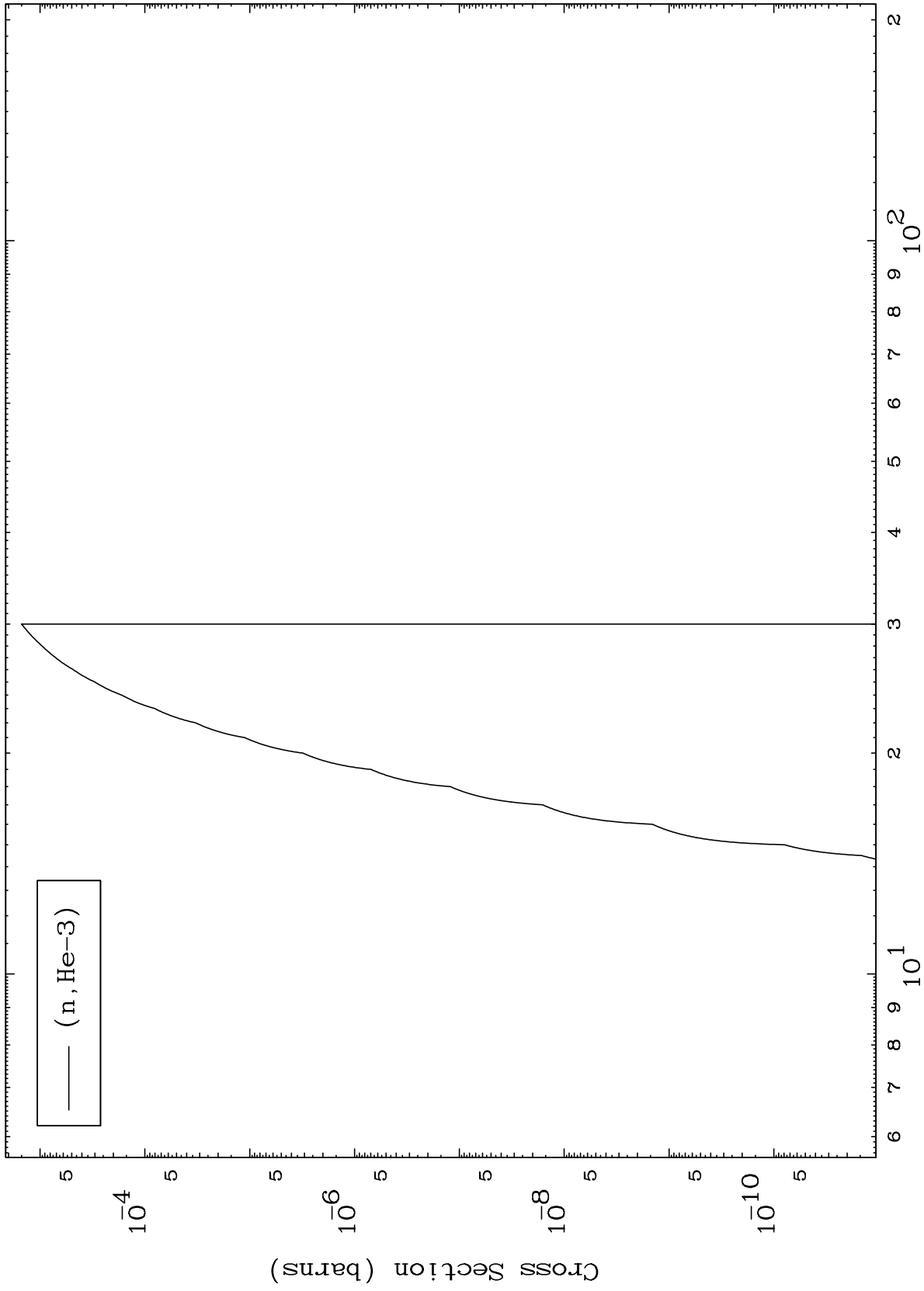
Incident Energy (MeV)

54-Xe-127

MAT 5435

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-127



13

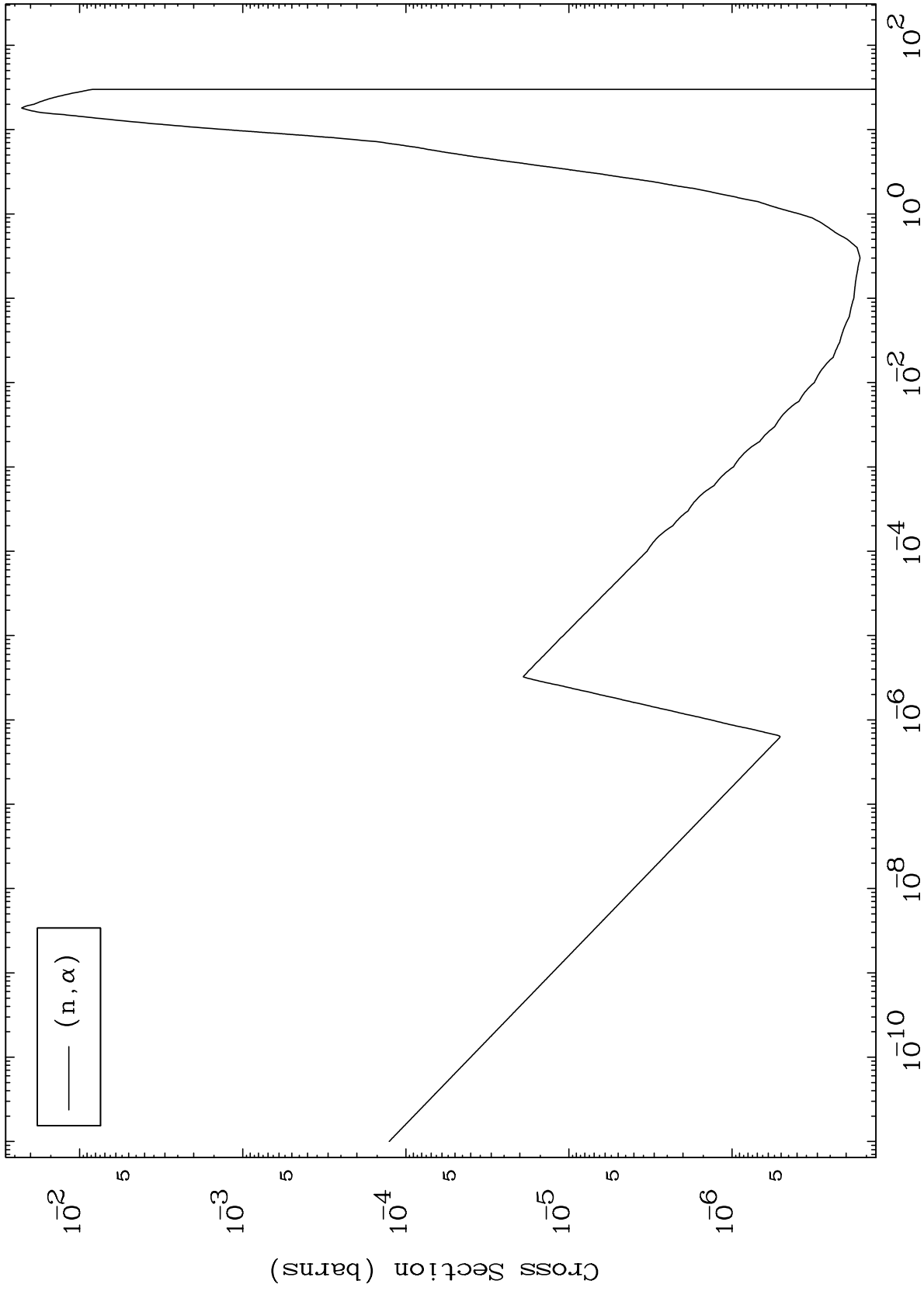
Incident Energy (MeV)

54-Xe-127

MAT 5435

(n,α) Levels
293 Kelvin Cross Sections

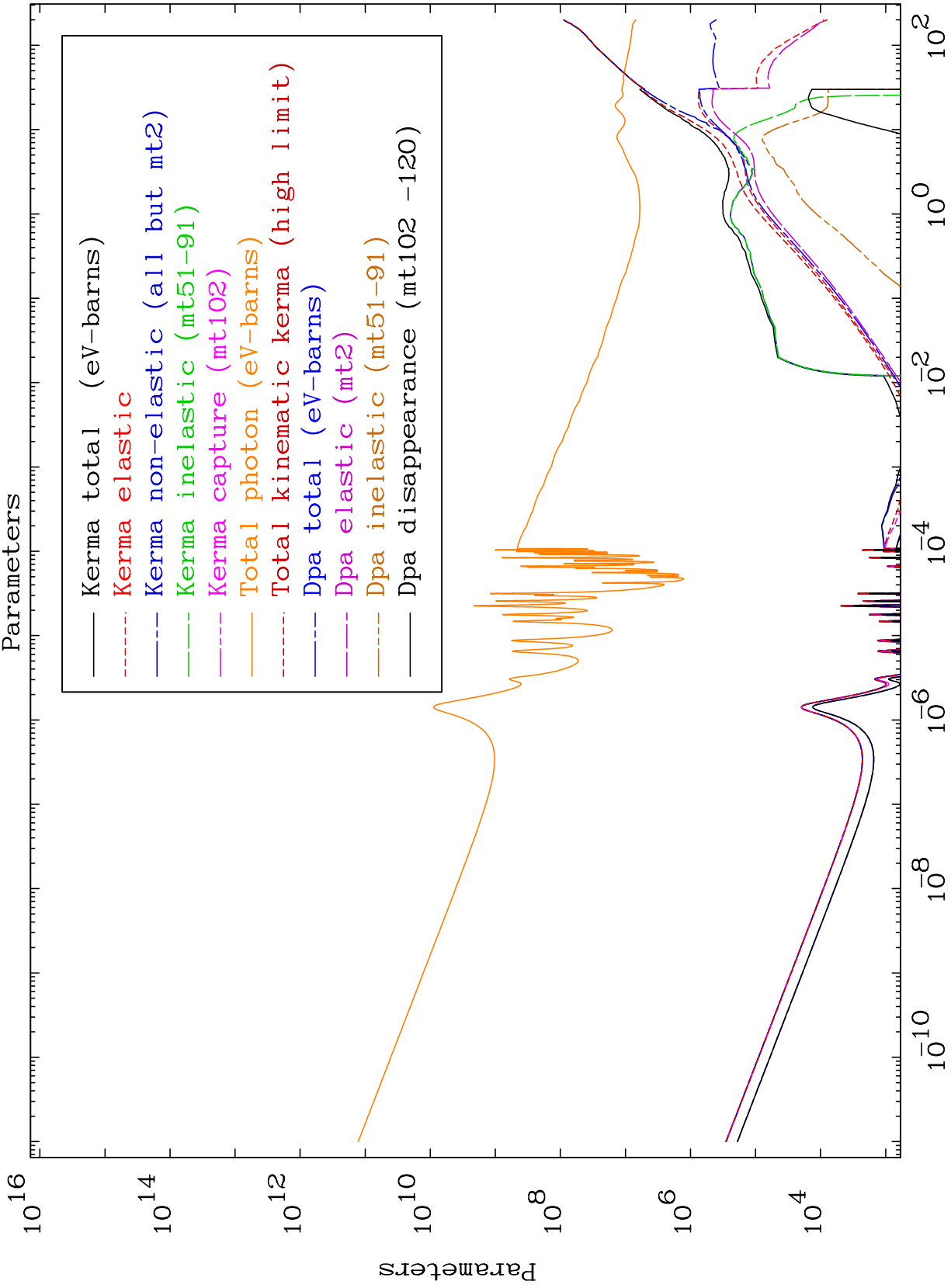
54-Xe-127



14

Incident Energy (MeV)

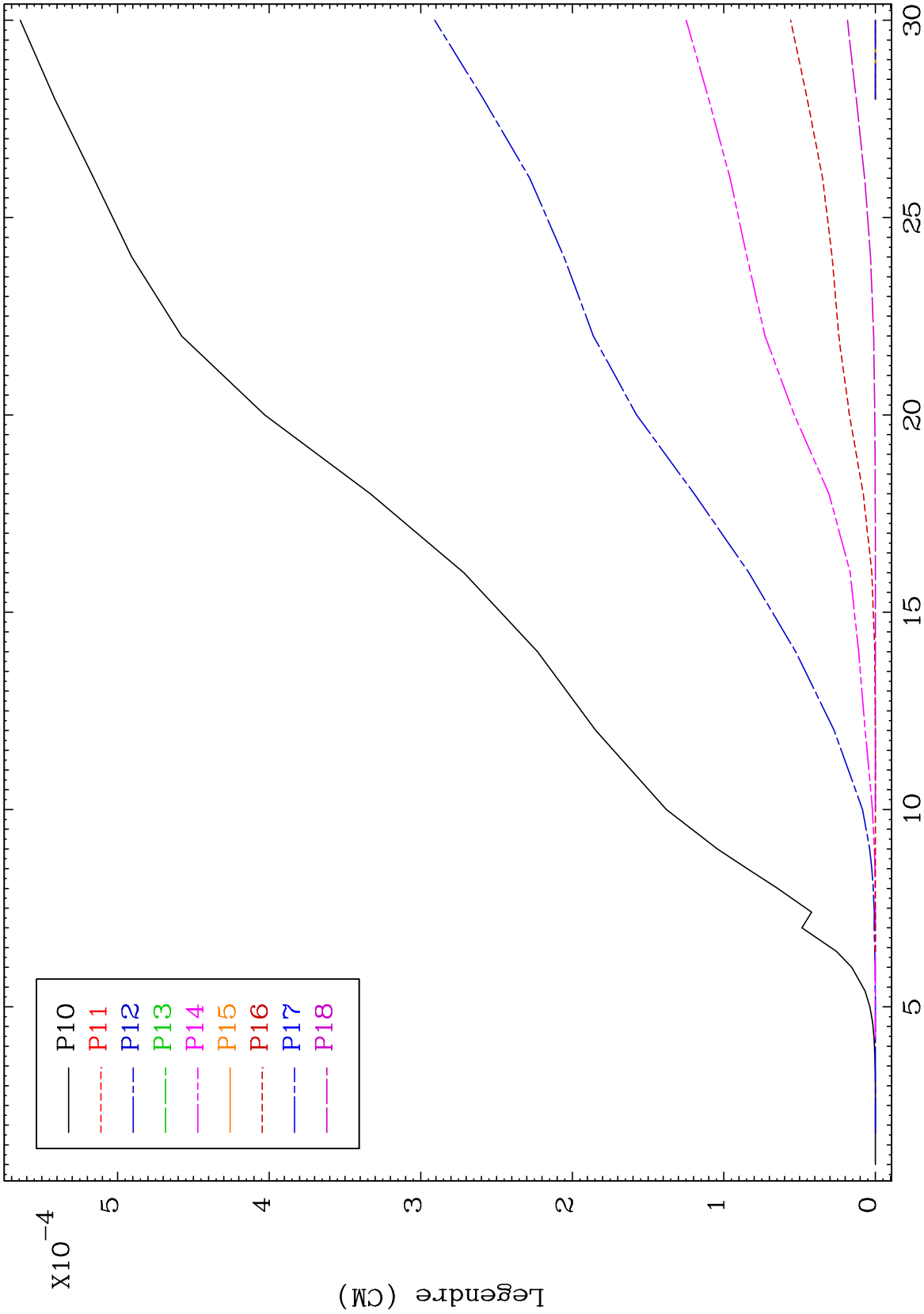
54-Xe-127



MAT 5435

Elastic Legendre Coefficients

54-Xe-127



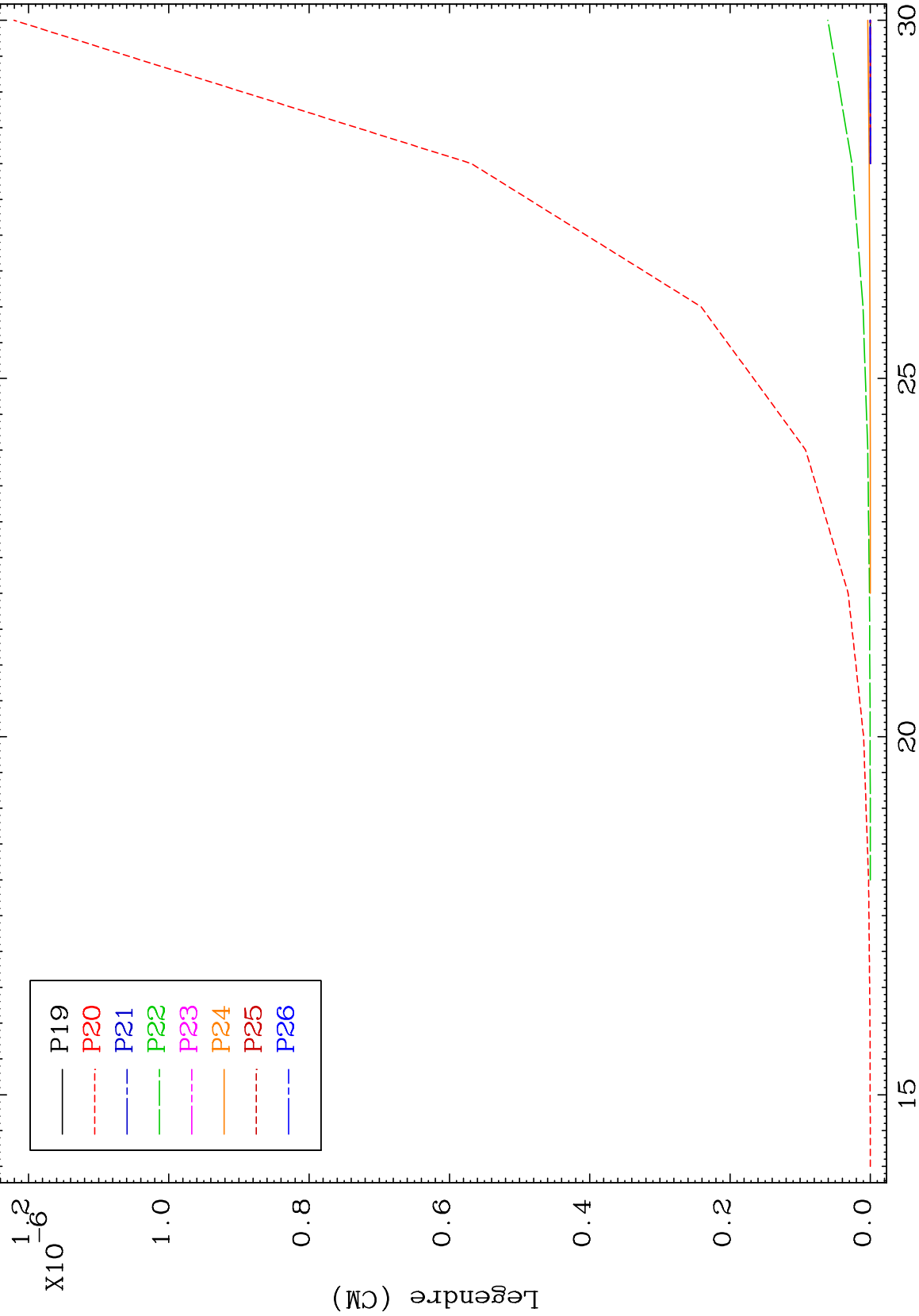
17

54-Xe-127

MAT 5435

Elastic Legendre Coefficients

54-Xe-127



18

Incident Energy (MeV)

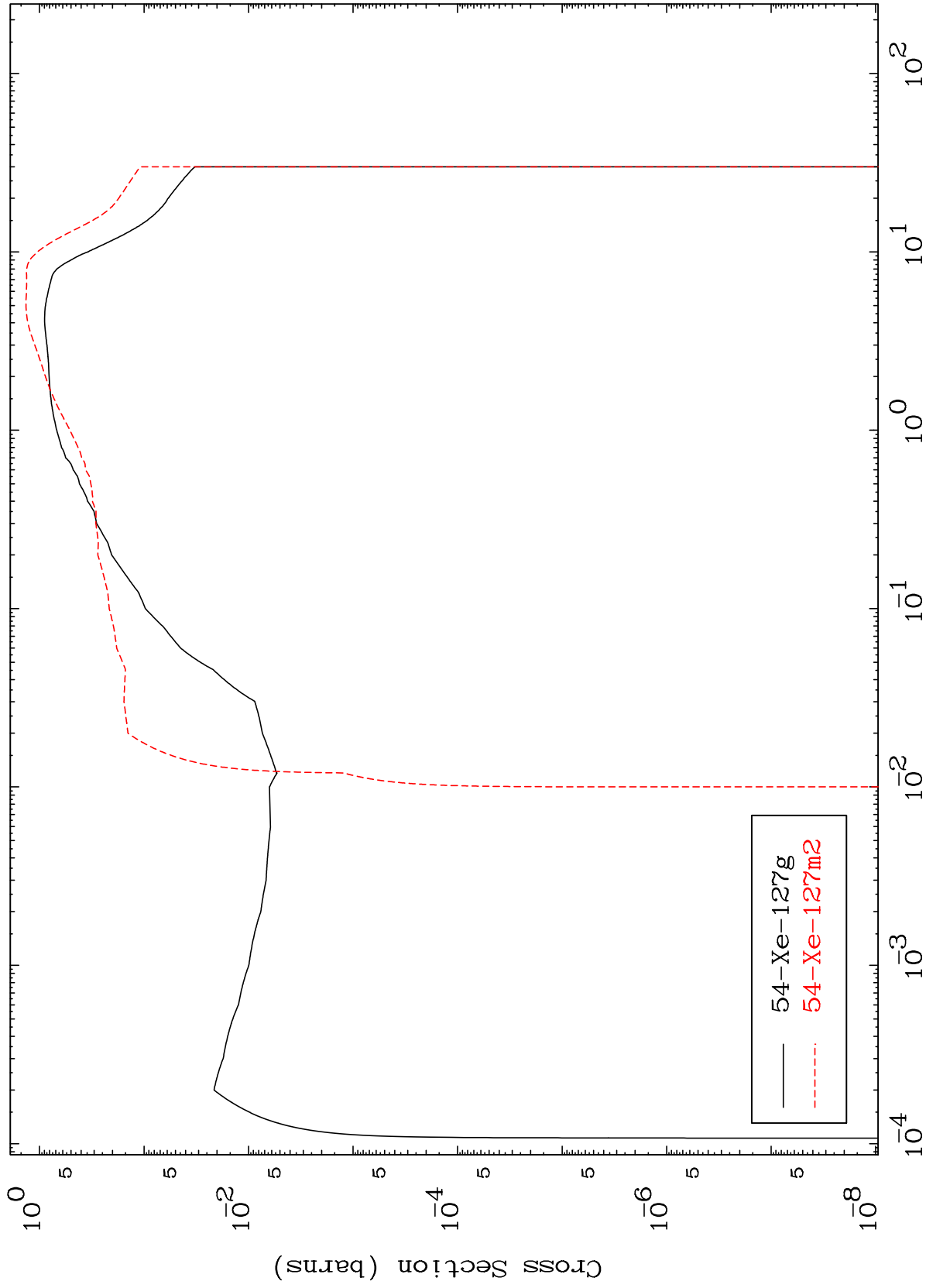
54-Xe-127

MAT 5435

Inelastic

54-Xe-127

Radionuclide Production Cross Section



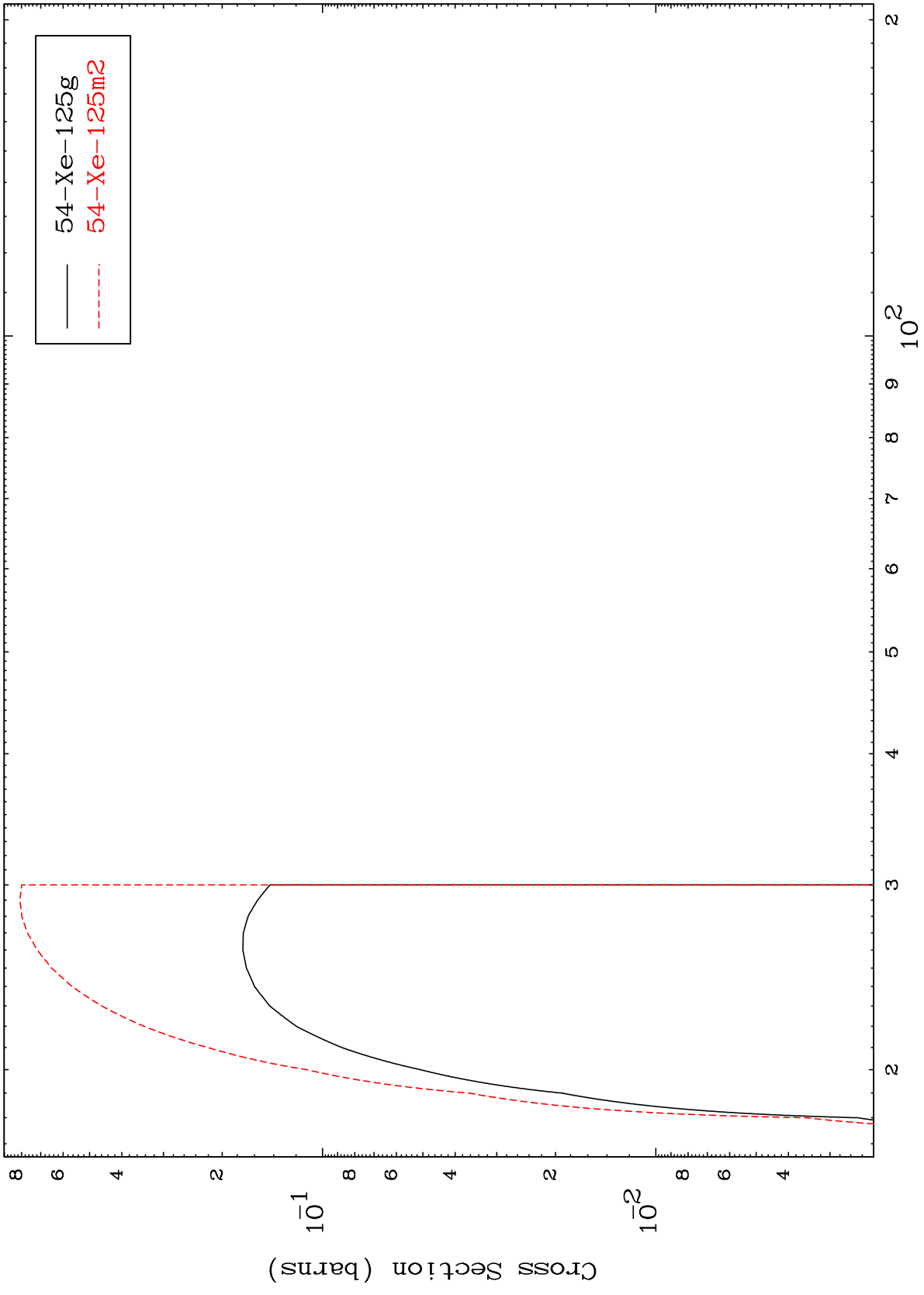
— 54-Xe-127g
- - - 54-Xe-127m2

MAT 5435

(n,3n)

54-Xe-127

Radionuclide Production Cross Section



20

Incident Energy (MeV)

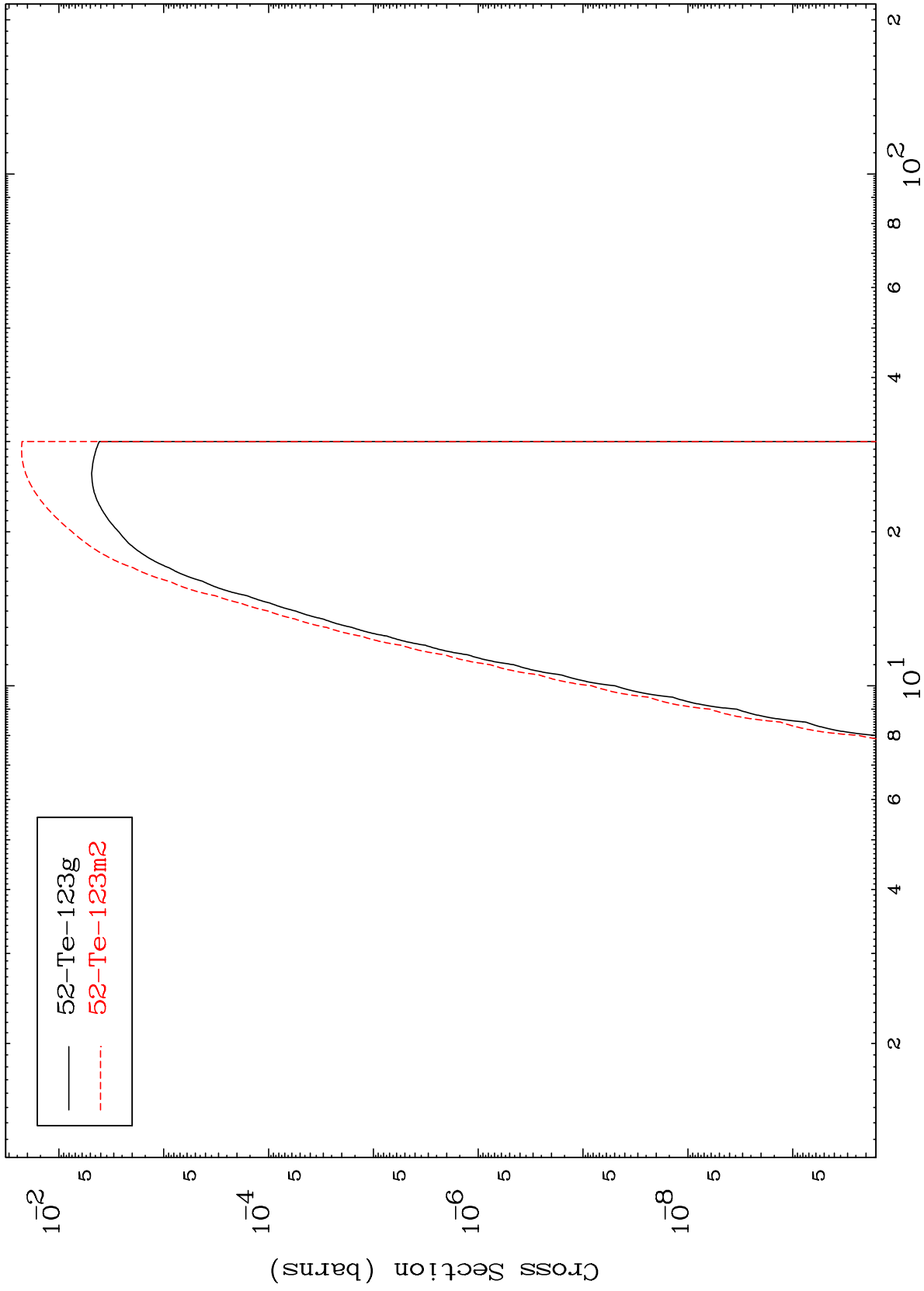
54-Xe-127

MAT 5435

(n,n') α

54-Xe-127

Radionuclide Production Cross Section

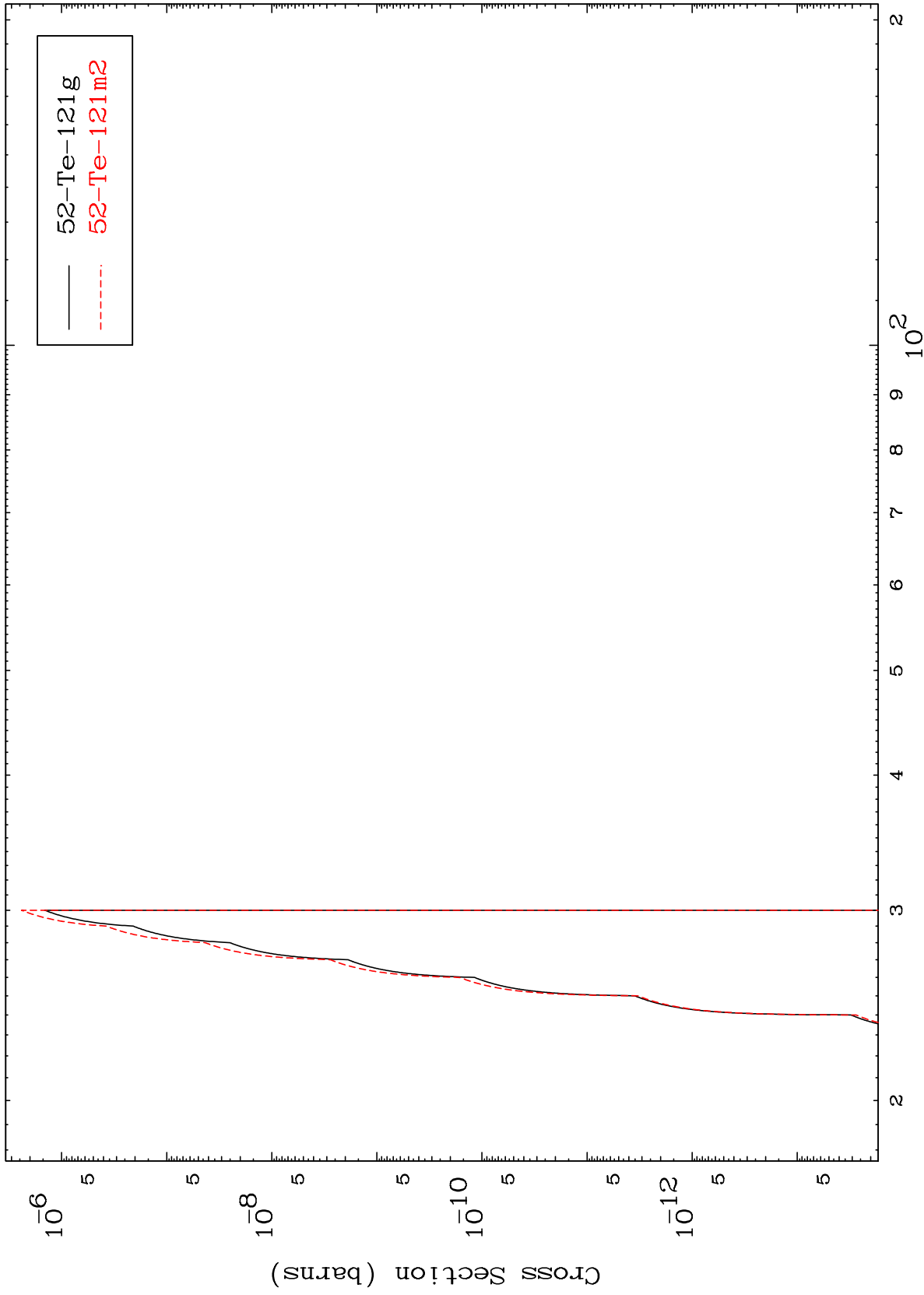


MAT 5435

(n,3n) α

54-Xe-127

Radionuclide Production Cross Section



22

Incident Energy (MeV)

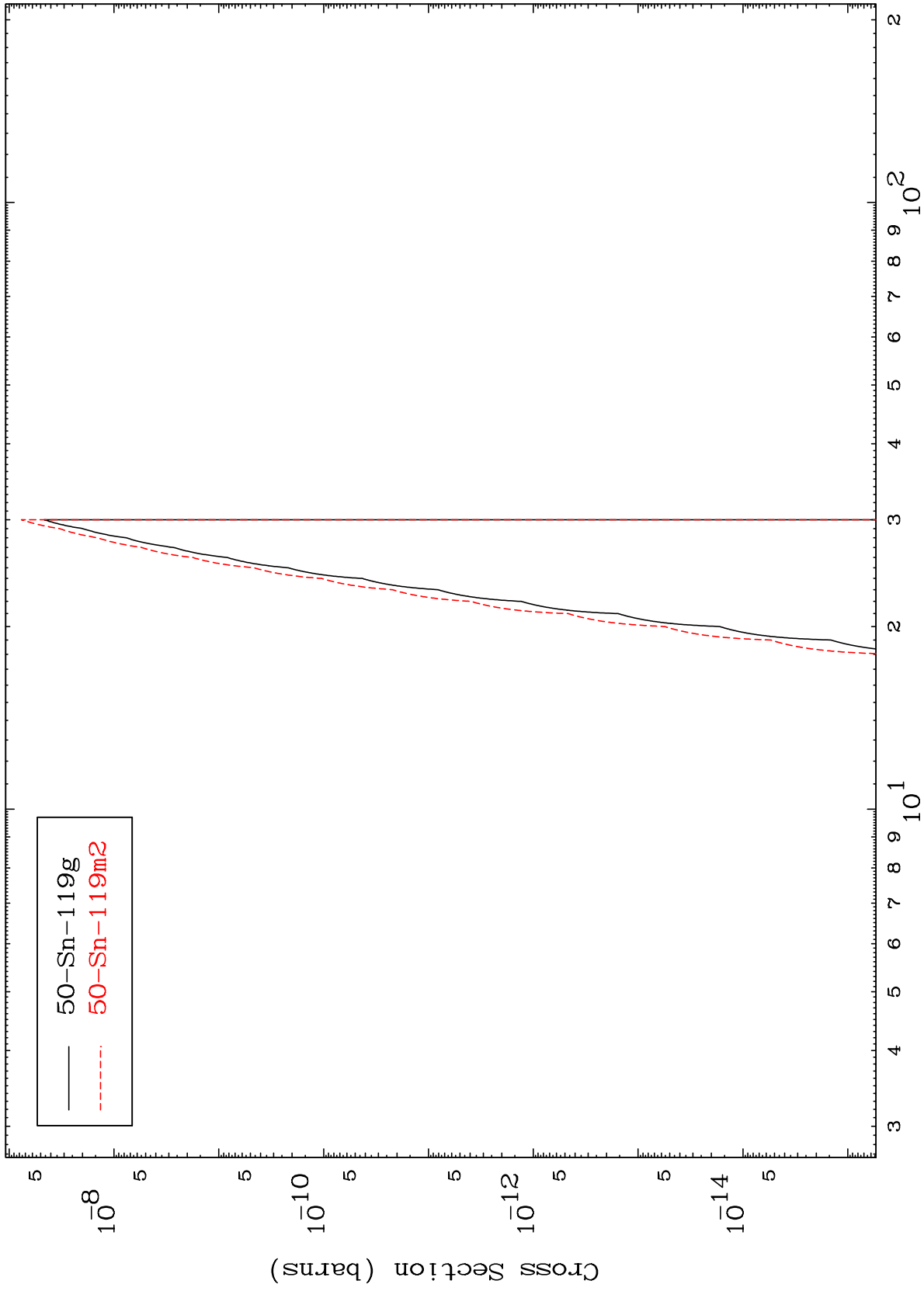
54-Xe-127

MAT 5435

(n,n') 2α

54-Xe-127

Radionuclide Production Cross Section



23

Incident Energy (MeV)

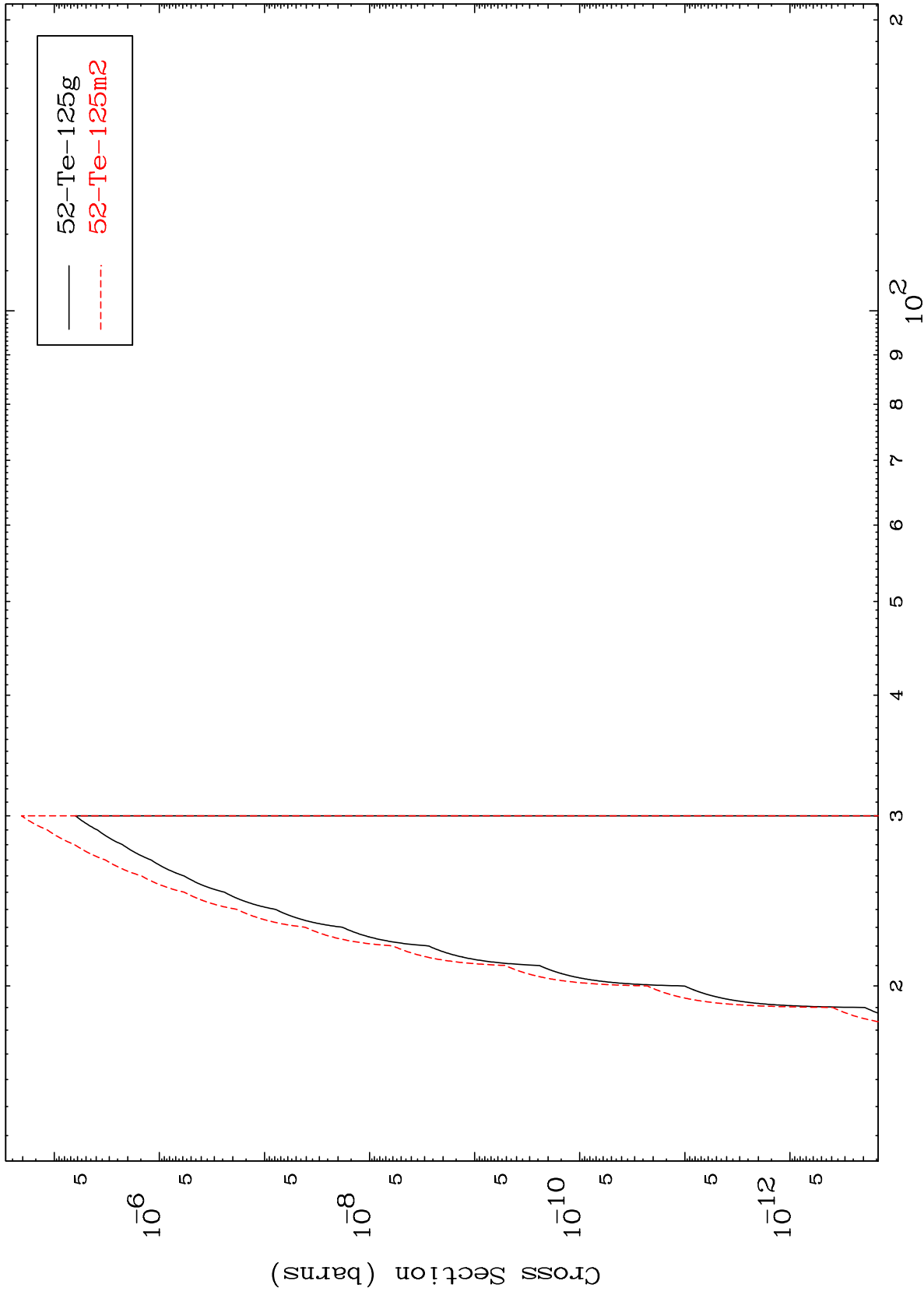
54-Xe-127

MAT 5435

(n,2n) p

54-Xe-127

Radionuclide Production Cross Section



24

Incident Energy (MeV)

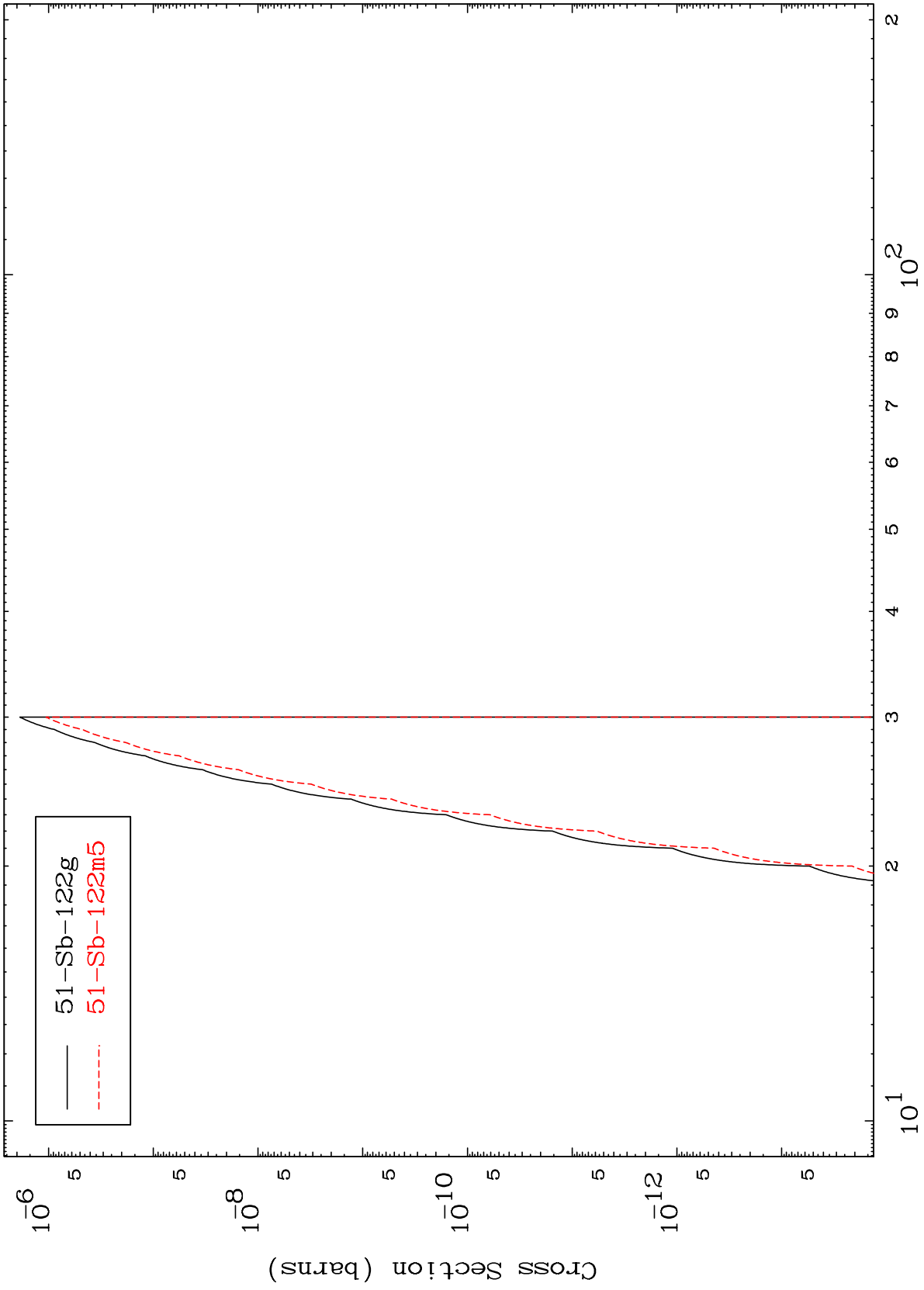
54-Xe-127

MAT 5435

(n,n') p α

54-Xe-127

Radionuclide Production Cross Section



51-Sb-122g
51-Sb-122m5

25

Incident Energy (MeV)

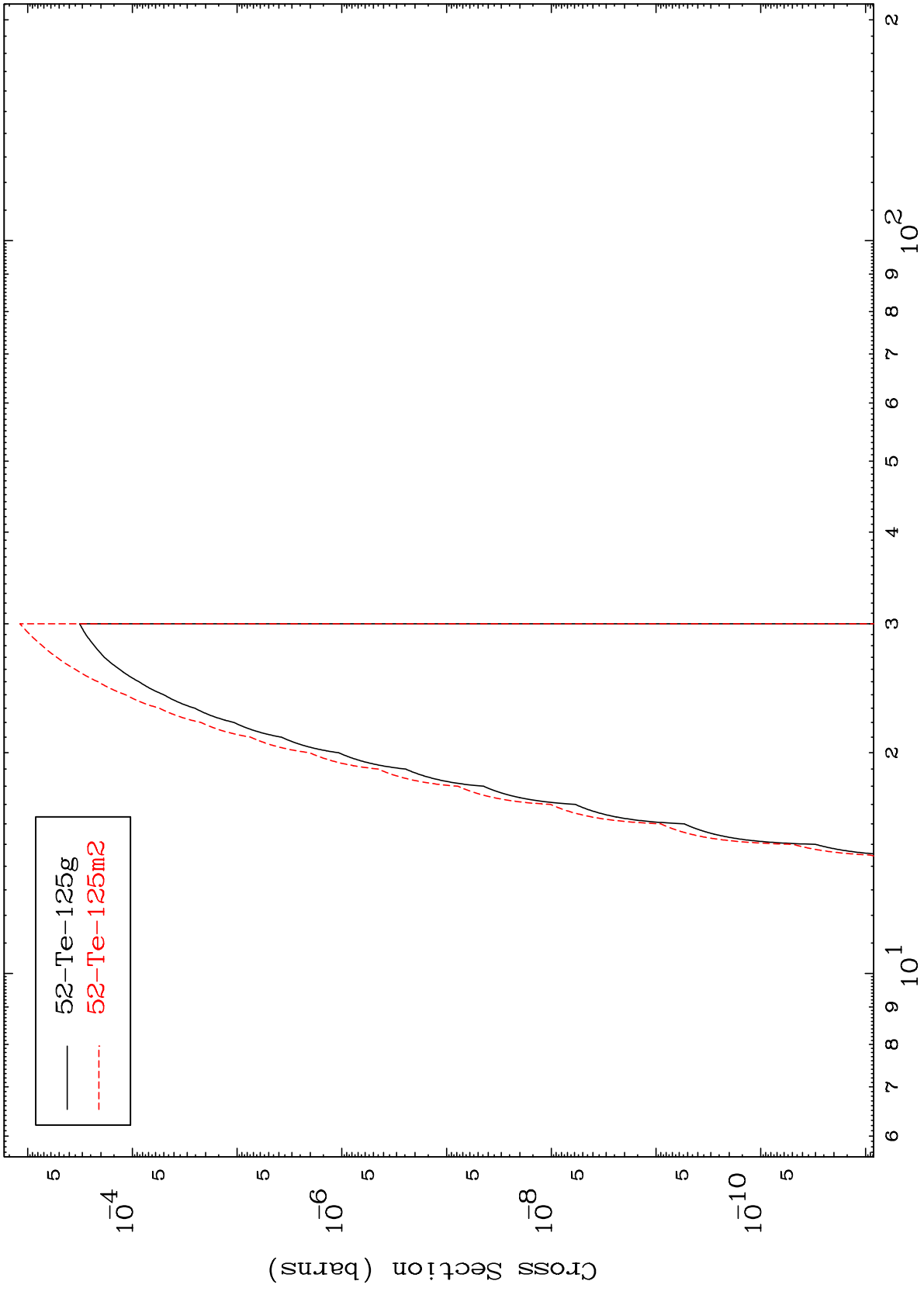
54-Xe-127

MAT 5435

(n, He-3)

54-Xe-127

Radionuclide Production Cross Section



26

Incident Energy (MeV)

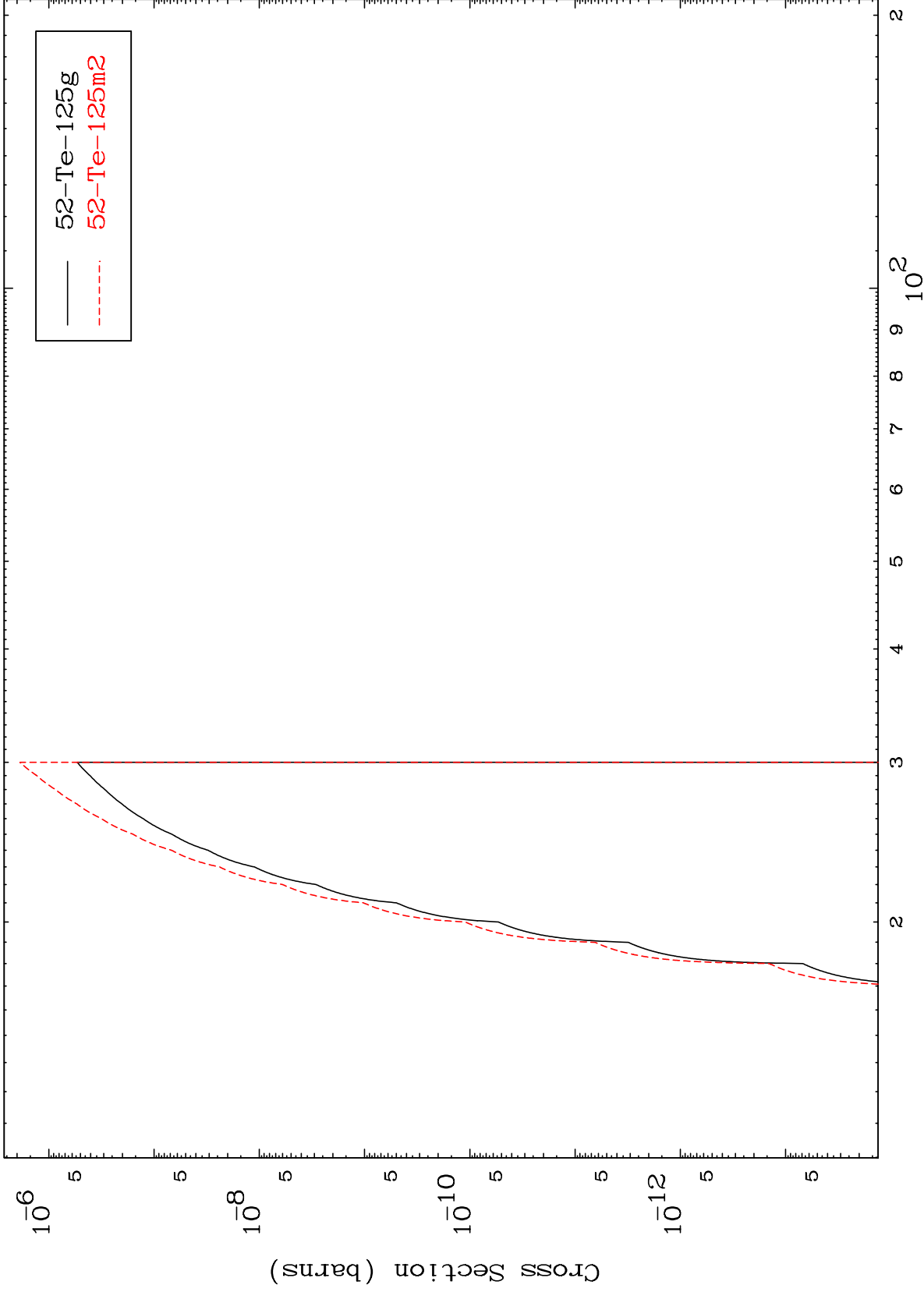
54-Xe-127

MAT 5435

(n,p) d

54-Xe-127

Radionuclide Production Cross Section



27

Incident Energy (MeV)

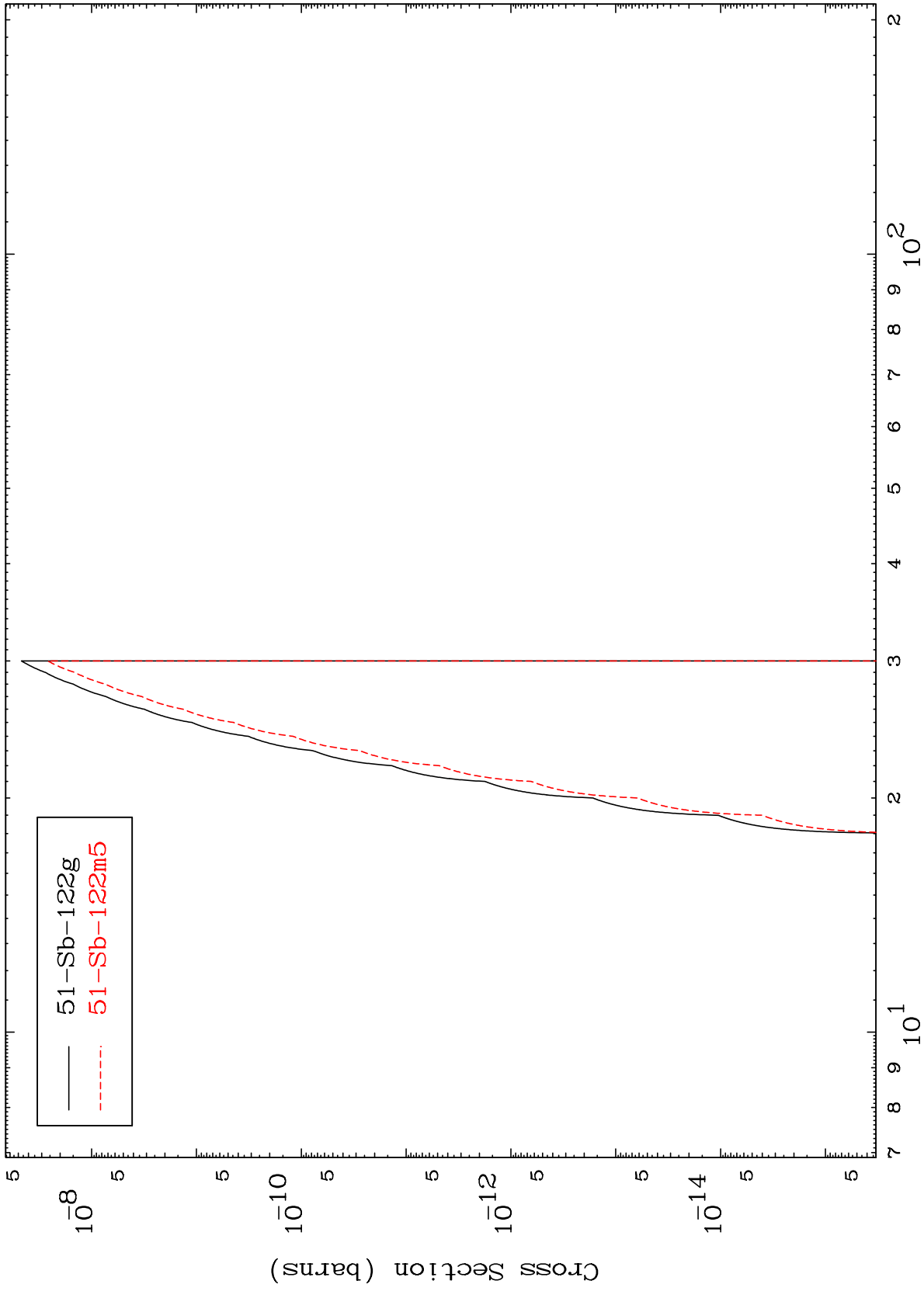
54-Xe-127

MAT 5435

(n,d) α

54-Xe-127

Radionuclide Production Cross Section



28

Incident Energy (MeV)

54-Xe-127