
In Honor of Professor André Authier

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Abstract

Professor André Authier (1934-2023) had a major role in the governing instances of Crystallography Unions which will be first recalled. However, being his first doctorate students, we wish to put the emphasis on his scientific achievements and on the remarkable momentum he gave, through his research group at the Laboratoire de Minéralogie Cristallographie, to the applications of X-ray dynamical theory for X-ray optics in perfect and slightly distorted crystals. It is worth stressing that the successes of hard X-Rays synchrotron radiation experiments owe a lot to the sophisticated beam conditioners based on dynamical theory principles: high resolution monochromators and polarizers. André Authier was among the world leaders of this very specialized field of crystallography and we will display some records of the historical summer school at Limoges in 1975, where he could gather P.P.Ewald, N. Kato, K.Kohra, A. Lang and many others. We have shared with André Authier a golden period of research laboratories where regular recruitment to form a rather large group and regular funding were secured. We also went together through the tempestuous 1968 "revolution" which changed somewhat internal relationships. It has been a great experience.

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