

CURRICULUM VITAE

NAME: Vladimír Wagner

DATE OF BIRTH: 4.6.1960

PLACE OF BIRTH: Karviná, Czech Republic

QUALIFICATIONS:

1990: Ph.D. at Nuclear Physics Institute of Academy of Sciences of Czech Republic. The topic of my thesis was the study of structure of odd and even-even deformed nuclei.

1984: I graduated at the Nuclear Physics Department of the Charles University in the field of nuclear physics.

Languages: I speak and write English, Russian, Polish and a little German.

Computer knowledge: Windows, UNIX, VMS, FORTRAN, C

PROFESSIONAL CAREER:

1990-...: Scientist at Nuclear Physics Institute of Academy of Sciences of Czech Republic, Řež (relativistic heavy ion group).

1985-1990: Ph.D. student at Nuclear Spectroscopy Department of Nuclear Physics Institute, Řež.

SCIENTIFIC CAREER:

1990-...: My present field of interest is the study of the particles emitted from the relativistic heavy-ion collisions. On that grounds I am engaged in the work of TAPS collaboration, HADES collaboration and ALICE collaboration. I am interested in the experimental study of neutron production on thick target by relativistic protons for ADTT system simulations. I had the opportunity to work in following international experiments:

November-December 1990: Study of Ca+Ca collisions at 2 GeV/u (GSI Darmstadt, Germany)

June-September 1991: Study of neutron and charged light particle emission in Au+Au and Bi+Pb reactions at 1 GeV/u energy. Experiment at SIS, GSI Darmstadt, Germany in summer 1991. We reported about persistence of the

"squeeze-out" effect even at such high energies of heavy ions. The effect seems to be stronger for heavier particles.

September-October 1992: Study of neutral emission in heavy ion collisions at 50 MeV/u (GANIL Caen, France). We used TAPS to register hard photons and "forward wall" consisting of plastic phoswich detectors to identify charged light particles evaporated from projectile-like fragments which were detected by SPEG setup.

1993 - 1995: Study of neutral mesons emission in heavy ion collisions (C+C, Ar+Ca, Ni+Ni, Pb+C, Pb+Pb, Au+Au) at 0.1-2.0 GeV/u (GSI Darmstadt, Germany). 1996 - 1997: Study of neutral mesons and hard photon emission in heavy ion collisions at 10-60.0 MeV/u. Study of neutron production on thin W target using 190 MeV protons (KVI Groningen). 1997 - 2000: Study of neutron production on thick W and Pb targets using 1.5 GeV protons of Dubna synchrotron.

1985-1990: I was involved in nuclear gamma spectroscopy studies of odd and even-even deformed nuclei using anticompiton spectrometer.

During my scientific career I have published more than sixty papers with more than two hundred citations and I had Diploma and PhD. students. I have lectures on Faculty of Nuclear Sciences and Physical Engineering of Czech Technical University, Prague.

POPULARIZATION ACTIVITIES

During last years some lectures about impact of heavy ion physics in astrophysics at Observatory and planetarium of M. Kopernik (Brno), Observatory and planetarium of Technical University Ostrava and Observatory of Valašské Meziříčí. I published series of articles about nuclear physics, its relation to astronomy and accelerator transmutation technology in newspapers and journals for general public (print: Vesmír, Kozmos, Ekonom, and internet: Britské listy, Neviditelný pes and Instantní Astronomické Noviny).