- * How it all began?
 - * A few of young physicists created an informal ,Advanced Study Group' (ASG)...

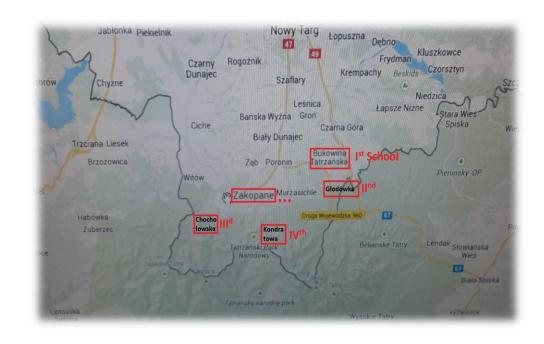
Advanced Study Group at the XXXVI School in 2001



Left to right:
Irek Natkaniec
Andrzej Jasiński†
Jurek Sieniawski
Krzysztof Parliński
Basia Sawicka
Jurek Sawicki
J.S.
Krzysztof Tomala

Missing: Andrzej Bałanda† Władek Waluś

- We charged ourselves with studies of the Green function and its applications
- 1st School of Physics was organized in Bukowina Tatrzańska (1963) ...
 It gathered the ASG group (not complete); more Professors then students.
 Winter period skiing in the afternoon break



* The second School took place in Głodówka (very important for

me, personally...)

* The third –in Chochołowska Valley







At lecture -IFJ founder -H.Niewodniczanski

* In the years 1978, 1979, 1980 the School was moved to Bielsko-Biała region, when IFJ was incorporated into the Ministry of Energetics (*disaster*)



- Variety of programs
 - Green function studies
 - * Magnetic moment measurements of short-lived excited states (by time differential method developed in IFJ Krakow)
 - Nuclear spectroscopy, nuclear reactions, structure of nucleus...
 - Hyperfine interactions studied with perturbed angular correlations and
 - Mossbauer spectroscopy studies
 - * PIXE experiments
 - *
- * Some schools were overwhelmed by nuclear physics aspects
- * "Real schools", lasting for two weeks with several hours' lectures

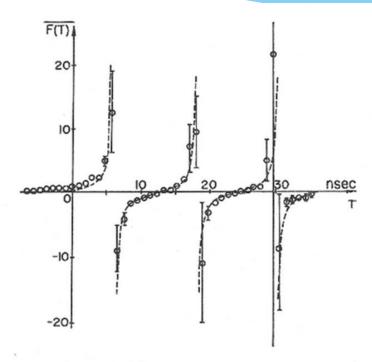


Fig. 56. The ratio F(T) for the Ta¹⁸¹ γ - γ directional correlation as a function of delay time T. (Bozek *et al.* ³⁶¹)

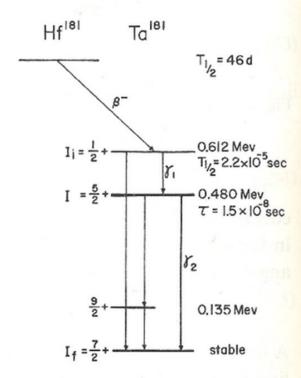


Fig. 57. The decay Hf¹⁸¹→Ta¹⁸¹

*

*

*



The magnets applied in g-factor

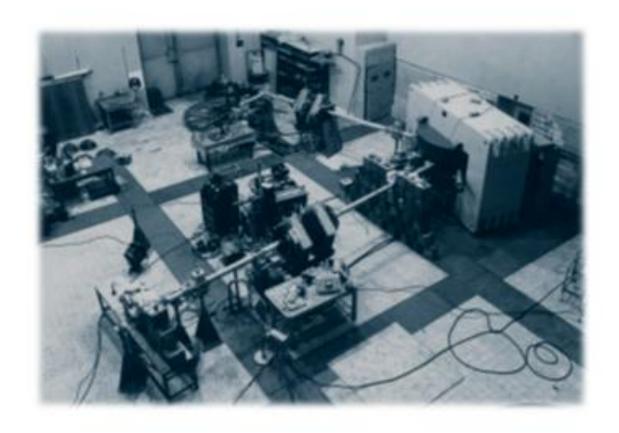
measurements by gamma-gamma angular correlations; 3.5 and 1.8

tesla

5

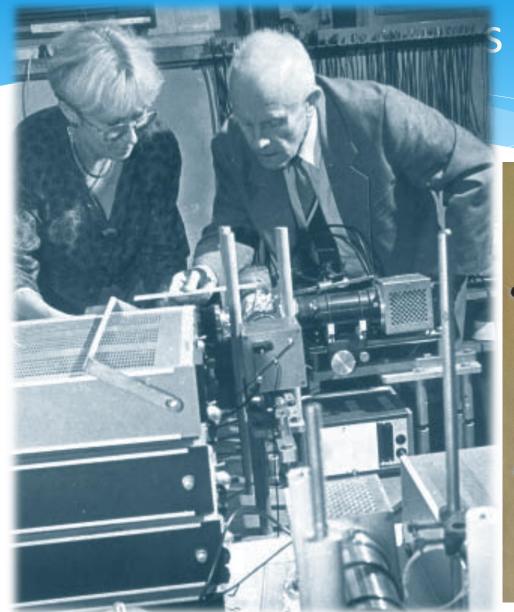


Spectroscopy experiments with early germanium detectors

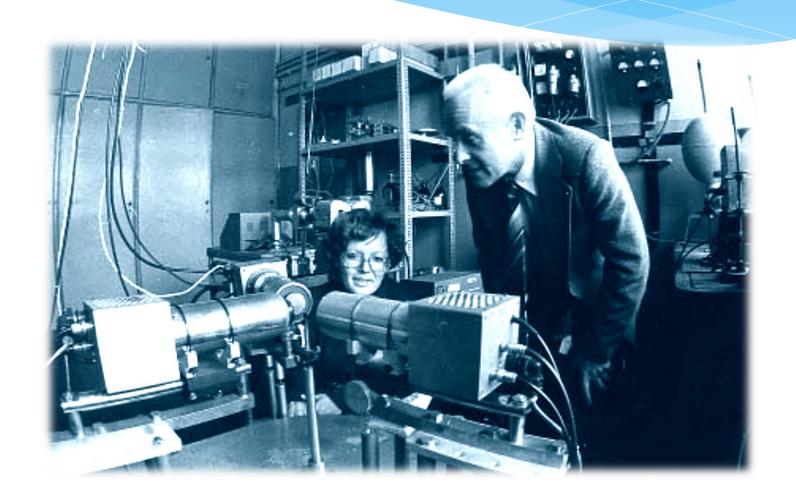


In-beam spectroscopy experiments at the Krakow U-120 cyclotron; alpha beams up to 28 MeV

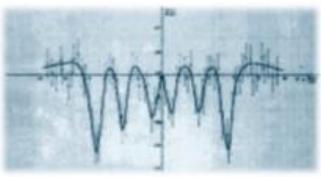




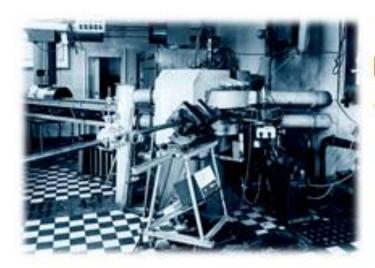
INSTYTUT FIZYKI JADROWEJ W KRAKOWIE INSTITUTE OF NUCLEAR PHYSICS, CRACOW REPORT No 299 MAGNETIC INTERACTION OF THE 155 Gd NUCLEUS IN THE 87keV EXCITED STATE WITH THE ELECTRONIC SHELL E. BOZEK, A.Z. HRYNKIEWICZ, S. OGAZA, J. STYCZEŃ CRACOW NOVEMBER, 1963







Mössbauer spectroscopy IF UJ (1961 the first spectra)
and a bit later at IFJ



PIXE experiments at C-48 cyclotron (constructed at IF UJ and moved to IFJ)







2.5 MV VdG

and the chamber for PIXE...





...and the chamber for micro-PIXE

- * The early schools gathered mostly the Krakow society
- Next schools involved participants from other scientific centres of Poland
- * The first international

school-conference (!!)

took place in 1973 -

(even earlier....1965)



* In the 1973 International School participated several world known scientists: Frauenfelder, Steffen from US Goldansky from Soviet Union



30 years later

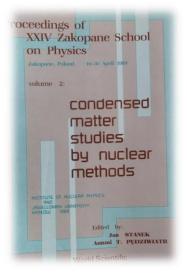


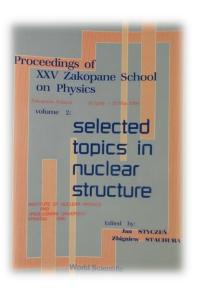
Little of documentation of early schools;
 no proceedings...

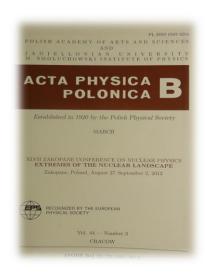
The first proceedings were issued in 1977...

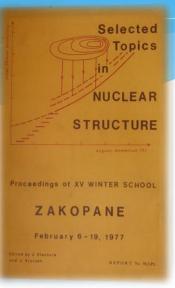
Later – published in the World Scientific

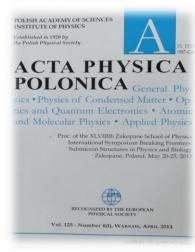
Today – in Acta Physica Polonica A and B Journal











* Entertainment – skiing, walking, hiking, excursions, singing, dancing.... We considered it as rather important to have and enjoy a relatively long break after lunch





- * After 1981 (Marshal law), we began to separate (1984) nuclear physics aspects from those of condensed matter studied with nuclear methods.
- * Each school still lasted for two weeks one week was devoted to nuclear physics the other one to the condensed matter studies.
- * Since 1990, each school has been organized every second year:
- * even years nuclear physics studies program
 (in September, in interchange with Warsaw School at Mazurian lake district);
- * odd years condensed matter studies program

- * It should be stressed out that before 1990 for many, the schools were the only the way for participants from Eastern Europe to make contacts with colleagues from the Western part separated with the Iron Wall which prevented communications; (DDR physicist).
- Discussions of the newest results very hot from laboratories



- * The list of persons who have been involved in the organization of the Zakopane Schools would be a long list hard to present.
- * Let me point out, however, two persons without whom the Conference would have not been continued in my opinion:
- * Dr Stanisław Szymczyk†
- * Dr Maria Rybicka

Thank you very much for your attention!

Wishes of very exciting Conference!