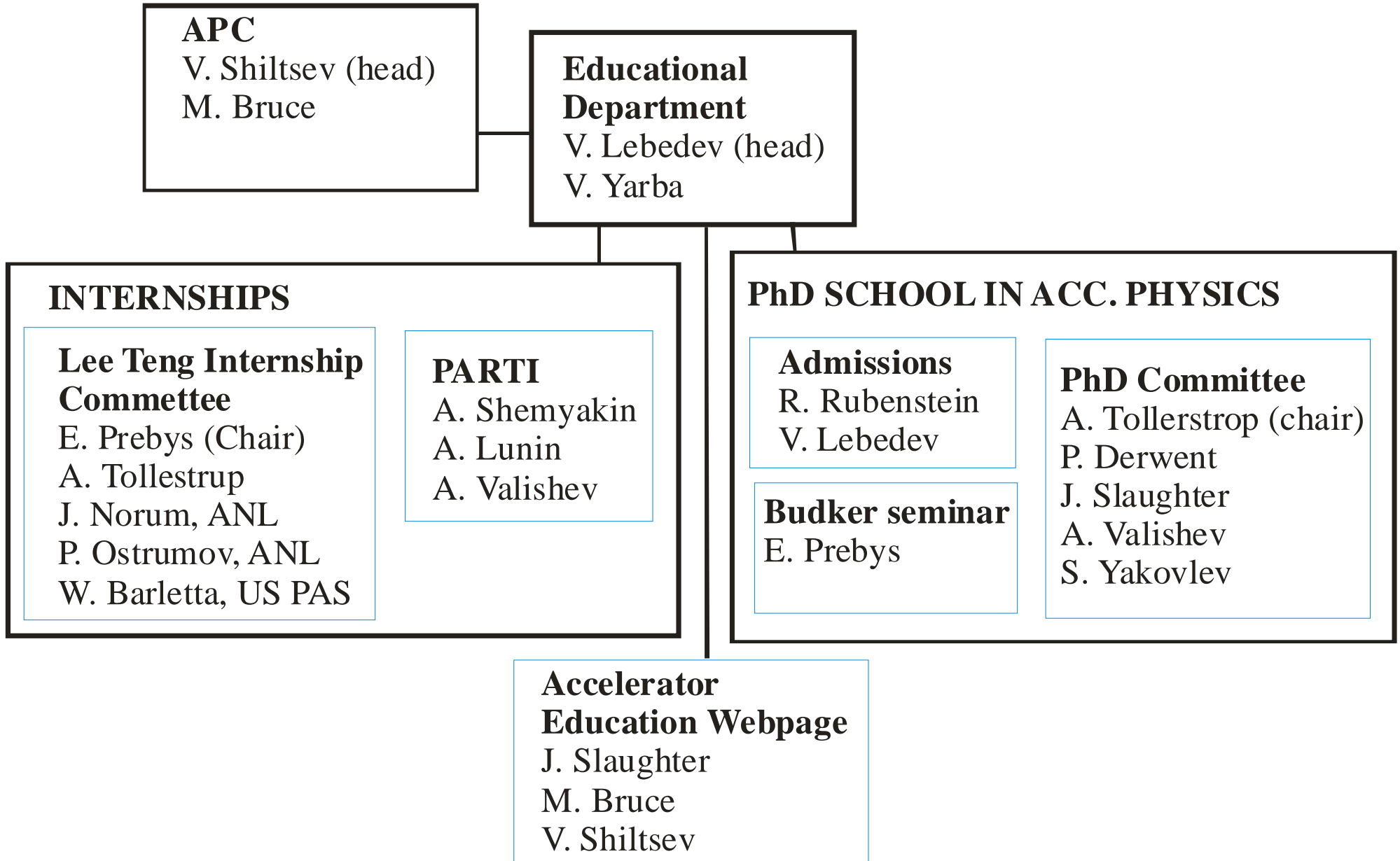


# Accelerator Education

Valeri Lebedev

APC Meeting  
FNAL  
March 11, 2008

# Educational Department Structure



# Undergraduate Student Programs

## Lee Teng Undergraduate Internship

- The Lee Teng Undergraduate Internship in Accelerator Science and Engineering has been established by the Illinois Accelerator Institute to attract undergraduate students into the exciting and challenging world of particle accelerator physics and technology (FNAL & ANL).
  - ◆ 5 FNAL + 6 ANL students, 10 weeks for 2008
    - chosen from 35 applicants

## PARTI

- Physics of Accelerators and Related Technology for International students
  - ◆ 9 students, 10 weeks for 2008
    - chosen from >30 applicants

## Graduate Student Programs

- We collaborate with American and foreign Universities
  - ◆ Recent agreement on collaboration with Novosibirsk university
- Two scientific advisors: University & FNAL

## Admissions

- Select the best possible students into the program
- Choice of PhD topic and FNAL scientific advisor
- 10 students maximum
  - ◆ Presently - 8
  - ◆ 1 - leaves soon
  - ◆ 1 - Candidate from China

## PhD committee

- Confirm admissions to the program
- Coordinate students R&D work so that to assure its high scientific level and quality of students education
  - ◆ Budker seminar

# Backup Transparencies

## Present PhD students

1. A. Poklonsky (Michigan State) (C. Johnstone/D. Neuffer)
2. T. Koeth (Rutgers) (Helen Edwards)
3. Arthur Paytyan (Yerevan) (Helen Edwards)
4. Ryoichi Miyamoto (Texas) (M. Syphers / A. Jansson)
5. Daniel McCarron (IIT) (Panagiotis Spentzouris)
6. Wai-Ming Tam (Indiana) (Gennady Romanov)
7. Justin Kueng (Penn) (Sergei Nagaitsev)
8. Uros Mavric (Ljubljana) (Brian Chase)

## Lee Teng Undergraduate Internship

The Lee Teng Undergraduate Internship in Accelerator Science and Engineering has been established by the Illinois Accelerator Institute to attract undergraduate students into the exciting and challenging world of particle accelerator physics and technology.

A limited number of highly qualified students will be selected into this program. Successful candidates will attend the Summer Session of the The U.S. Particle Accelerator School (USPAS), held June 16-27, 2008 at the University of Maryland. All will take the Fundamentals of Accelerator Physics and Technology with Simulations and Measurements Lab for which undergraduate credit is available. For the remainder of the summer they will work closely with a mentor and a project at either Argonne National Laboratory or Fermilab.

The program includes a generous stipend and all travel expenses.