

Chinese Visitors to SLAC 1983

SLAC MEMORANDUM

January 13, 1983

To: SCS Distribution, J. Friedman, R. Hu

From: C. R. Dickens

Subject: Chinese Visitors

Six visitors from China will be spending a month at SLAC. We will have a meeting tomorrow in the Conference Room at 2:30 PM. This is a preliminary meeting to ascertain their interests prior to meeting with specific individuals. We should keep the numbers of people down to make it easier to talk with them.

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Acquisition programs

4) To build up computer network system and data base, to solve the problems of their applications in high energy physics, information retrieval and administration.

5) To carry out research in the applied mathematical services and to provide concerned consultation for the users.

LUNCH MEETING

Thursday, January 13, 1983

COMPUTER CENTER STUDY GROUP

		Telephone
Xu Xiaohang	Deputy Head, Computer Center	3304
Li Benlin	Computer systems and data processing	3315
Chen Kun	Computer software	3315
Yang Dajian	Computer operation and applications	3305
Chen Hongan	Computer operation	3315
Liu Shengnan	Computer hardware	3315
Wei Zhuangxi	Software engineering	3315
W.K.H. "Chief" Panfahy	IHEP Business Representative at SLAC	2211
Gene Rickanrud	Director, SLAC	2600
Gene Rickanrud	Director, Business Services Division	2211
Phil Morton	Staff Physicist	2988
Chuck Dickens	SLAC Computing Services Director	2547
John Brown	Leader, Data Analysis	2209
Charlie Kruse	Invention Administrator	2441
Ruth Nelson	Manager, Scientific Personnel Services Office	3111
Nina Adelman	Scientific Personnel Services Office	3111

- Ted Aronson, John Brown, Chuck Dickens
Lee Gellert, J. J. Holt, James, John Brown
Phil Morton

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The Computer and Data Processing Department
Of Ihep (Institute of High Energy Physics)

1. The configuration:

1) In our present: 225.8 Chinese computer, 30000 instruction/second, 6.58M memory, simple supervisor (no multi-programming), PDP-11/23.

2) We are planning:

i) To install VAX-11/780 computer system by the end of this year (the contract has been signed with DEC)

ii) To extend the VAX-11/780 to VAX-11/732 in 1985.

iii) To import the IBM computer (315 computers) power equals 20MIPS in 1984.

2. The staff: We now have 55 persons:

10 person for software, 10 person for applied mathematic and application program, 14 person for hardware, 20 person for operation.

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We would like to contact with the groups of SLAC computer services, computation and DATA ANALYSIS, to get their advice and have some discussion with them on following fields:

1) Organization and labor division of these groups. The principal responsibility of every group and its main members.

2) Configuration of your central computer and computer network.

3) Data base and its application in high energy physics, information retrieval and administration.

4) Application program library concerning high energy physics.

5) The on-line and off-line computer system and its support to the experiments.

6) The graphic display system.

7) The applied mathematical research and services in high energy physics.

8) The VAX-11/780 computer system.

9) A brief visit to accelerator's control room and some experiment groups. Does including Hanj.

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3. Principal responsibility

1) To support scientific calculation. This includes the design of BEPC (Beijing Electron Positron Collider) and detectors, theoretical physics, cosmic ray data processing and so on.

2) To support off-line analysis. According to the characteristics of the spectrometer on BEPC, to establish and develop the off-line programs, to transfer some basic subroutine packages and utility programs from other laboratories. If possible, to analyse some data tapes from other laboratories to make better understanding of methods of off-line. When BEPC have been completed, A powerful computer system is needed for experimental data analysis.

3) To support on-line data acquisition. To develop hardware interfaces and on-line data

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