Minutes of the 14th ACFA Plenary Meeting

November 10 – 11, 2008, KEK, Tsukuba, Japan

The 14th ACFA plenary meeting was held at the High Energy Accelerator Research Organization (KEK), Tsukuba, Japan, on Nov. 10 – 11, 2008. The meeting agenda is shown in Appendix 2.

Participants of the 13th ACFA plenary meeting

Chuang Zhang (Chair, IHEP/Beijing)	Mitsuaki Nozaki (KEK/Tsukuba)
Qing Qin (Secretary, IHEP/Beijing)	Tsunehiko Omori (KEK/Tsukuba)
Hongwei Zhao (IMP/Lanzhou, represent Wenlong Zhan)	Akira Noda (IPAC'10 SPC chair, Kyoto University/Kyoto)
Zhentang Zhao (SINAP/Shanghai)	Masatoshi Arai (JAEA/Tokai)
Yong Ho Chin (EP WG, KEK/Tsukuba)	In Soo Ko (Vice Chair, POSTECH/Pohang)
Hitoshi Hayano (KEK/Tsukuba)	Byung-Ho Choi (KAERI/Daejeon)

Takashi Kamiyama (KEK/Tsukuba)	Guinyun Kim (KNU/Daegu)
Setsuya Kawabata (KEK/Tsukuba)	Won Namkung (POSTECH/Pohang)
Shin-ich Kurokawa (IPAC'10 OC chair, ALCSC chair, KEK/Tsukuba)	Wan A.T.W. Wan (Malaysia Univ.)
Akiya Miyamoto (LC WG, KEK/Tsukuba)	Gwo-Huei Luo (NSRRC/Hsinchu)
Kazuhisa Nakajima (KEK/Tsukuba)	Grigoriy Shirkov (JINR/Moscow)

Program

1. Welcome Address (A. Suzuki, DG of KEK)
2. Opening Remarks (C. Zhang, ACFA Chair)
3. Minutes of 13th ACFA Plenary Meeting (Q. Qin, ACFA Secretary)
4. Report of ACFA observer application, JINR, Russia (G. Shirkov)
5. Activity reports of working groups, committees and ACFA member institutes
6. Report on Asia Accelerator Science Network and other relative issues
    1) Asia Accelerator Science Network (T. Omori)
    2) Activity of "Interactions" (R. Takahashi)
    3) Asia Science Camp (Y. Okada)
7. Reports and discussions on IPAC'10 issues
    1) Organization of IPAC'10 (S. Kurokawa)
    2) Program of IPAC'10 (A. Noda)
    3) Discussion on the prizes to be awarded at IPAC'10
8. Report of global R&D activity on pixel detectors (Y. Arai)
9. Discussion on the Statement on J-PARC
10. Report on ICUIL and Collaboration with Accelerator Community (T. Tajima)
11. Report on IPAC'13 (Z. Zhao)
12. Discussion and election of vice chairman of the ACFA
13. Next ACFA Plenary Meeting
14. Closing Remarks (C. Zhang)

Summary

1. Welcome address

On behalf of KEK, Prof. A. Suzuki, the director general of KEK, welcomed all the participants from members of ACFA in his address. In his talk, Prof. Suzuki summarized the evolution of particle accelerators from the bulks of high beam energy, high beam power, short time resolution and high spatial resolution, and stated that Asia should combat the accelerator innovations to open a wealth of new research fields and applications.

2. Opening address

Prof. C. Zhang, chair of ACFA, congratulated KEK for its success in KEKB and Belle, which led to Nobel Prize for Kobayashi and Maskawa. He reviewed the main ACFA activities from the 12th ACFA plenary meeting held in 2007 to the current meeting, including the renewal of the representatives of ACFA, issues of IPAC and ILC, the Asian accelerator network, and the new ACFA webpage.

3. Minutes of 13th ACFA plenary meeting

Prof. Q. Qin, ACFA secretary, reported the minutes of the 13th ACFA plenary meeting and asked for comments. He also reported that China side had nominated Prof. Hongwei Zhao of IMP as a representative from China to replace Prof. Wenlong Zhan. The plenary meeting agreed this nomination. The minutes of the 13th ACFA plenary meeting was finally approved by all the participants of this meeting.

4. Report of ACFA observer application, JINR, Russia

On behalf of the Joint Institute of Nuclear Research, Russia, Prof. G. Shirkov, chief engineer of JINR, gave the talk on applying for the observer of ACFA. He showed the history of JINR in the past decades, the organization and mission of JINR, figures and elaborated roadmap, science policy, basic facilities in JINR. The ILC activities in JINR, which include the GDE meeting held in this June, the candidate site for ILC, the participation in the R&D of ILC subsystems, were described in detail in Prof. Shirkov's report. A letter from the director general of JINR was handed over to ACFA, as attached in Appendix 3. By voting, the plenary ACFA meeting approved JINR's application. The meeting welcomed JINR to join ACFA as an observer and believed that JINR would play a role of bridge between Asia and Europe.

5. Activity reports of working groups, committees and ACFA member institutes

Prof. S. Kurokawa reported the activities of ALCSC committee. Chair and two vice

chairs of ALCSC were elected. Prof. S. Kurokawa became the chair of ALCSC. Prof. J. Gao from IHEP, China, and Prof. W. Namkung from Postech, Korea, were elected as vice chairs of ALCSC. Discussions on the collaborations between ALCSC and India, and ALCSC and China, were also reported. As the ALCSC representative to ILCSC, Prof. Won Namkung participated in ILCSC activities, who gave a report about ILCSC activities. The project advisory committee (PAC) for ILC was established and reported its work after half a year effort. The GDE-TDP-MOU was completed in 2008. In the same time, JINR expressed the hope to host the ILC. The ILC-CLIC collaboration was recommended.

On behalf of each working group, Prof. B.H. Choi, A. Miyamoto, K. Nakajima, and Y.H. Chin, reported the progresses of the working groups of HPPA, LC physics/detector, Advanced Asian Working group and electronic publication, respectively. The committee appreciated the efforts of the working groups in promoting collaboration in corresponding fields.

Prof. H.W. Zhao from IMP, Z.T. Zhao from SINAP, C. Zhang from IHEP of main land China, A. Roy from IUAC of India (via video conferencing), M. Nozaki from KEK, A. Noda from Kyoto University, M. Aria from JAEA of Japan, G.N. Kim from KNU, I.S. Ko from POSTECH of Korea, Wan from University of Malaysia, H.O. Moser from National university of Singapore (Q. Qin as speaker), and G.H. Luo from National Synchrotron Radiation Research Center of Taiwan, gave the activity reports of each institute or university, respectively. The committee was pleased to hear these progress and feel that Asia should play a more active role in accelerator based research fields.

6. Report on Asia Accelerator Science Network & related issues

Dr. T. Omori reported about the Asia Office and Accelerator Science Network. The Asian Accelerator Science Network started from the web site with multi-language as a gateway to the accelerator science to exchange weekly news for general public, mail magazine lined to the web site. Asia Office was established in KEK for daily communications and operation of the network under the auspices of ACFA for high level decisions and recommendations.

Dr. R. Takahashi gave a report on interaction collaboration. The activities include meeting twice a year to exchange and sharing information regarding each lab's communication activities, run "interaction.org" web site to provide one-stop information resource on particle physics for world's media and science community, and conducting a review on each lab's communication activity for more efficient and effective particle physics communication.

Dr. Yasuhiro Okada reported the Asian Science Camp (ASC) in 2009. The ASC will be in the Epochal, Tsukuba, Japan, from Aug. 3 to Aug. 8, 2009. The history of the ASC was reviewed. It calls for the assistance from ACFA member institutes.

ACFA acknowledged the effort on Asia Office from KEK. Hope the communication to be enhanced.

7. Organization of the IPAC'10

Prof. S. Kurokawa, chair of the OC of IPAC'10, reported the organization work of the IPAC'10, including the decision of conference venue, the form of OC, SPC and LOC, and the major milestones of IPAC'10. He reviewed the creation of the IPAC, the schedule of xPAC and IPAC, the sub-committees of IPAC, and the outcomes of the discussions on IPAC among three regions in the recent year. Besides the resort of IPAC'10, S. Kurokawa also introduced the auspices to IPAC'10 from the Science Council of Japan, IUPAP, AAPPS and ACFA, and his proposal on IPAC'11 OC/SPC members. Commented by G. Shirkov, RuPAC should be added, and Russian people should appear in the OC list as "at large".

Prof. A. Noda, chair of the SPC of IPAC'10, reported the framework of the IPAC'10 SPC, such as the task of SPC, the composition of SPC, etc. Some discussions were held on the program outline of IPAC'10, number of possible presentations, and the tentative program of the IPAC'10. Some of these issues would be discussed in the following IPAC'10 OC/SPC meetings.

The prizes authorized by ACFA for IPACs are also discussed. The decision on Prize issue will be shifted to the OC of IPAC'10.

8. Issues on IPAC'13

On behalf of SINAP and IHEP, CAS, Prof. Z.T. Zhao reported the proposal for hosting IPAC'13. He reviewed the application of hosting IPAC'13 at the 13th ACFA plenary meeting, and showed the reasons on holding IPAC'13 in Shanghai. A brief introduction of Shanghai city and the candidate conference venues were given. The neighbor cities of Shanghai were also presented as possible tour sites. Chair of OC/SPC of IPAC'13 were decided. Prof. Z.T. Zhao of SINAP and Prof. J.Q. Wang will be OC and SPC chairs of IPAC'13.

9. Discussion on the J-PARC Statement

To support the J-PARC project and promote the scientific activity based on the J-PARC facility around Asia, a statement on J-PARC was proposed and got approved. The statement is attached in this minute as the Appendix 4.

10. Pixel detector and ICUIL

Prof. Y. Arai reported the global R&D activity on pixel detectors. A new kind of detector, it needs to be developed under the support of all the institutes. Several

countries have set coordinators for the R&D of pixel detector.

Prof. T. Tajima, chair of ICUIL from Munich University, gave the report on ICUIL and collaboration with accelerator community. He introduced the foundation of ICUIL and some activities. With the key issues of future colliders and the evolution of light sources, ICUIL would like to play an important role to promote the ultra-intense lasers and their applications.

11. Discussion and election on the vice chair of ACFA for next term

According to the ACFA document, the issue on the vice chair of ACFA is discussed in the meeting. Some candidates were nominated. By voting, Prof. Amit Roy from IUAC of India was elected as the vice chair of ACFA for the next term.

12. Other collaboration issues

Prof. S. Kurokawa proposed to design an ACFA logo. The meeting asked the Asia Office to do that. Prof. M. Nozaki suggested calling for a communicator for each lab for better collaborations among Asian labs. One communicator now is from Japan side. A document of call for communicators from every lab is needed.

Prof. M. Nozaki announced the Euro-Asia Physics Symposium, which was proposed by CNRS-IN2P3 and will be held in 2009.

It was discussed that whether ACFA should establish the synchrotron radiation working group. It was also proposed to invite some foreign participates to take part in the domestic accelerator conference.

It was decided to send a message to congratulate KEK for its contribution to the 2008 Nobel Prize. The meeting suggested Prof. W. Namkung writing such a message.

13. Next ACFA plenary meeting

One possibility was proposed for the next ACFA Plenary Meeting, which is on the occasion of the next IPAC'10 OC/SPC meetings held at Shanghai, China, in 2009. The final decision will be made after further discussion.

14. Closing Remarks

Prof. C. Zhang made a summary in his closing remarks. He appreciated KEK's efforts to make this meeting very fruitful and successful. On behalf of ACFA, he congratulated Prof. A. Roy for being elected as vice-chair for next term and trusted that under leadership of Prof. I.S. Ko and Prof. A. Roy, ACFA will further promote the Asia wide collaboration in the accelerator-based scientific research.

Appendix 1

ACFA Member List

(Up to Nov. 2008)

Country/Region	Name	Affiliation	Email Address
AUSTRALIA	TAYLOR, Geoffrey	University of Melbourne	g.taylor@physics.unimelb.edu.au
	DRACOULIS, George	Australian National University	george.dracoulis@anu.edu.au
BANGLADESH	HOQUE, A.K.M. Fazlul	Atomic Energy Centre	fhoque@bttb.net.bd
P. R. CHINA	ZHANG, Chuang (Chair)	IHEP	zhangc@ihep.ac.cn
	WANG, Yifang	IHEP	yfwang@ihep.ac.cn
	ZHAO, Hongwei	IMP	zhaowh@impcas.ac.cn
	ZHAO, Zhentang	SINAP	zhaozt@ssrc.ac.cn
	QIN, Qing (Secretary)	IHEP	qinq@ihep.ac.cn
INDIA	ROY, Amit	Inter-U. Accelerator Centre	roy@iuac.res.in
	BHANDARI, Rakesh K.	Variable Energy Cyclotron Centre	bhandari@veccal.ernet.in
	SAHNI, V.C.	CAT	ycsahni@cat.ernet.in
INDONESIA	SUDJATMOKO	National Nuclear Energy Agency of Indonesia	s_moko@batan.go.id
	PUDJORAHARDJO, Djoko Slamat	National Nuclear Agency of Indonesia	s_pujoharjo@batan.go.id

Country/Region	Name	Affiliation	Email Address
JAPAN	NOZAKI, Mitsuaki	KEK	Mitsuaki.nozaki@kek.jp
	NODA, Akira	Kyoto University	noda@kyticr.kuicr.kyoto-u.ac.jp
	ARAI, Masatoshi	JAEA	masatoshi.arai@j-parc.jp
R. KOREA	KO, In Soo (Vice Chair)	POSTECH	isko@postech.ac.kr
	KIM, Gui Nyun	Kyungpook National University	gnkim@knu.ac.kr
	SUK, Hyyong	Gwangju Institute of Science and Technology	hysuk@gist.ac.kr
	CHOI, Jinhyuk (Vice secretary)	PAL	jchoi@postech.ac.kr
MALAYSIA	CHIA, Swee-Ping	Inti College Malaysia	spchia@intimal.edu.my
PAKISTAN	HOORANI, Hafeez	Quaid-i-Azam University	Hafeez.Hoorani@cern.ch
SINGAPORE	MOSER, Herbert O.	NUS	moser@nus.edu.sg
TAIWAN	LUO, Gwo-Huei	NSRRC	luo@nsrrc.org.tw
	WANG, Chaoen	NSRRC	rfwang@nsrrc.org.tw
	Hsiung, Yee	NTU	yhsiung@phys.ntu.edu.tw
THAILAND	VILAITHONG, Thiraphat	Chiang Mai University	thirapat@fnrf.science.cmu.ac.th
	PAIRSUWAN, Weerapong	Suranaree University of Technology	weerapon@nsrc.or.th
VIETNAM	THIEP, Tran Duc	Institute of Physics and Electronics	tdthiep@iop.vast.ac.vn
	DUAN, Phung Van	Hanoi University of Technology	pvduan@mail.hut.edu.vn

Working Groups

Network WG	KARITA, Yukio	KEK	yukio.karita@kek.jp
Electronic Publication WG	CHIN, Yong Ho	KEK	yongho.chin@kek.jp
HPPA WG	CHOI, Byung-Ho	KAERI	bhchoi@kaeri.re.kr
LC Physics/Detector WG	MIYAMOTO, Akiya	KEK	akiya.miyamoto@kek.jp
Advanced Accelerator WG	NAKAJIMA, Kazuhisa	KEK	nakajima@post.kek.jp
ALCSC Chairman	KUROKAWA, Shi-nich	POSTECH	namkung@postech.ac.kr

Former, present, and future APAC (IPAC) OC and SPC chairs

	Organizing Committee Chair	Scientific Program Chair
APAC1998	H. Sugawara	M. Kihara
APAC2001	S.X. Fang	Z.Y. Guo
APAC2004	S. Baik and W. Namkung	S.H. Nam
APAC2007	V.C. Sahni	S. Kotaiah
IPAC'10	S. Kurokawa	A. Noda
IPAC'13	Z.T. Zhao	J.Q. Wang

Appendix 2

Agenda of the 14th ACFA Plenary Meeting

Date: November 10-11, 2008
Place: Nov. 10, Seminar Hall, Building No. 4, KEK, Tsukuba
Nov. 11, Room 102, Building No. 2, KEK, Tsukuba
Subject:
(1) Application for Observer from JINR, Russia
(2) Activity report of working groups and committees
(3) Activity report of ACFA member institutes
(4) Report on Asia Accelerator Science Network & related issues
(5) Organization work on IPAC'10
(6) Election of vice chairman of the ACFA

Agenda:

Session I (8:30 – 12:15 am, Nov. 10), chaired by I.S. Ko

08:30 – 08:40 Welcome address (DG of KEK)
08:40 – 09:00 Opening remarks (C. Zhang, ACFA Chairman)
09:00 – 09:15 Minutes of 13th ACFA Plenary Meeting (Q. Qin, ACFA Secretary)
09:15 – 9:40 Report of ACFA observer application, JINR, Russia (G. Shirkov)
09:40 – 10:00 Discussion on the issue of ACFA observer
10:00 – 10:30 Group photo, coffee break
10:30 – 12:15 Activity report of working groups and committees
Report of ILCSC committee (W. Namkung)
Report of ALCSC committee (S. Kurokawa)
Report of HPPA Working Group (B.H. Choi)
Report of LC Physics/Detector Working Group (A. Miyamoto)
Report of Advanced Accelerator Working Group (K. Nakajima)
Report of Electronic Publication Working Group (Y.H. Chin)
12:15 – Lunch

Session II (13:30 – 17:20 pm, Nov. 10), chaired by C. Zhang

13:30 – 15:30 Activity report of ACFA member institutes (15min. each)
Report from IUAC, India (A. Roy, via video conference)
Report from IMP, P.R. China (H.W. Zhao)
Report from SINAP, P.R. China (Z.T. Zhao)
Report from IHEP, P.R. China (C. Zhang)
Report from KEK, Japan (M. Nozaki)
Report from Kyoto University, Japan (A. Noda)
Report from J-PARC, Japan (M. Arai)
15:30 – 15:50 Coffee break
15:50 – 17:05 Activity report of ACFA member institutes (15min. each)
Reports from POSTECH and PAL, and GIST, Korea (I.S. Ko)
Report from KNU, Korea (G.N. Kim)
Report from Univ. of Malaysia, Malaysia (Wan)
Report from NUS, Singapore (H.O. Moser, speaker: Q. Qin)
Report from NSRRC, Taiwan (G.H. Luo)
19:00 – Banquet

Session III (8:30 – 12:00 am, Nov. 11), chaired by I.S. Ko

08:30 – 08:45 Report on Asia Accelerator Science Network (T. Omori)
08:45 – 09:00 Report of the activity of “interactions” (Ms. R. Takahashi)
09:00 – 09:30 Organization of IPAC’10 (S. Kurokawa)
09:30 – 10:00 Program of IPAC’10 (A. Noda)

10:00 – 10:15 Report on Asia Science Camp (Y. Okada)
10:15 – 10:25 Coffee break
10:25 – 10:40 Report of global R&D activity on pixel detectors (Y. Arai)
10:40 – 11:20 Discussion on the Statement on J-PARC
11:20 – 12:00 Discussion on the prizes to be awarded at IPAC'10
12:30 – Lunch

Session IV (13:30 – 17:00 pm, Nov. 11), chaired by C. Zhang

13:30 – 14:15 Discussion on issues of IPAC'10
14:15 – 14:30 On ICUIL and Collaboration with Accelerator Community (Toshi Tajima)
14:30 – 14:45 Report on IPAC'13 (Z.T. Zhao)
14:45 – 15:30 Discussion and election of vice chairman of the ACFA
15:30 – 15:50 Coffee break
15:50 – 16:30 Discussion on Asia Accelerator Science Network and other cooperative issues
16:30 – 17:00 Summary

Appendix 3

Application letter from JINR

Chair of ACFA
Professor Chuang Zhang

Dear Professor Chuang Zhang!

The Joint Institute for Nuclear Research (JINR) is an international intergovernmental scientific research organization. JINR was established through the Convention signed on 26 March 1956 in Moscow by representatives of 11 founding states from Europe and Asia to unite their scientific and material potential in order to study fundamental properties of matter. It was registered with the United Nations on 1 February 1957. The Institute is situated in Dubna 120 km from Moscow in the Russian Federation.

JINR, the international center for fundamental science offers scientific collaboration in theoretical and experimental studies in the main directions of its activity, namely, in Elementary Particle Physics, Nuclear Physics, and Condensed Matter Physics**.** These three main fields cover a wide range of scientific research which are supported by the world-class home basic facilities. The full list containing also Theoretical Physics, Networking, Computational Physics and Educational

Programme could be found at the JINR web-site http://www.jinr.ru. Apart from basic science, JINR has active research programs in applied physics and innovation activity.

JINR has at present 18 Member States and 5 Associate Member States from Europe, Asia (Kazakhstan, Mongolia, Uzbekistan, Vietnam and al.), Africa and America. There are requests for the coming entry into JINR from France, China, India, and Egypt.

JINR is a genuine international institution. Its supreme governing body is the Committee of Plenipotentiaries of all 18 member states. The research policy of JINR is determined by the Scientific Council, which consists of eminent scientists from the Member States as well as famous researchers from France, Germany, Italy, the USA, Japan, Vietnam, China and the European Centre for Nuclear Research (CERN).

JINR comprises seven Laboratories, each being comparable with a large institute in the scale and scope of investigations performed. The Institute employs over 5500 people, including more than 1000 scientists, among whom there are full members and corresponding members of national academies of sciences, more than 260 Doctors of Science and 630 Candidates of Science and about 2000 engineers and technicians.

The Joint Institute possesses a remarkable choice of experimental facilities for physics: the only on Russian territory superconducting accelerator of nuclei and heavy ions Nuclotron, the U-400 and U-400M cyclotrons with record beam parameters for experiments on the synthesis of heavy and exotic nuclei, the unique neutron pulsed reactor IBR-2 and the proton accelerator phasotron which is used now for the cancer therapy only. JINR also has powerful and fast computing facilities which are integrated into the world computer net. JINR has an ambitious future plans: creation of NICA/MPD – Nuclotron-Based Ion Collider Facility and Multipurpose Detector (up to 2014) and wide participation in the International Linear Collider (ILC) including the promising proposal of ILC siting in the neighborhoods of Dubna.

A half of discoveries (about 40) in nuclear physics registered in the former USSR were made in JINR. The decision of the General Assembly of the International Committee of Pure and Applied Chemistry to award the name "Dubnium" to element 105 of the Periodic Table may be regarded as recognition of the achievements of JINR's staff of researchers and their contribution to modern physics and chemistry.

Since the moment of JINR organization, a wide range of research has been elaborated and scientific personnel of highest qualification have been trained for the Institute's Member States. Among them are presidents of national academies of sciences, leaders of large nuclear centers and universities in many JINR Member States.

Splendid conditions for training talented young specialists have been established at JINR. Its University Centre organizes a practicum annually at the Institute's facilities for the students from higher education institutions of Russia and other countries.

JINR researchers are constant participants of many international and national scientific conferences. In its turn, the Institute annually holds up to 10 large conferences and more than 30 international workshops, as well as traditional schools for young scientists.

JINR maintains mutually beneficial contacts with IAEA, UNESCO, EPS, ICFA, ILCSC and GDE. Annually, above a thousand scientists from the states which are JINR partners visit Dubna. JINR traditionally grants scholarships to physicists from developing countries.

A bright example of international cooperation is the cooperation of the Joint Institute with CERN. JINR participates in the realization of the LHC project - it takes part in the work out and development of parts for the ATLAS, CMS, ALICE detector systems and LHC itself.

In total JINR collaborates with nearly 700 research centers and universities in 60 countries of the world. Only in Russia - the largest JINR partner - the cooperation is conducted with 150 research centers, universities, industrial enterprises and firms from 40 Russian cities. JINR actively cooperates with mostly all Asian accelerator and nuclear centers in Japan, China, India, South Korea and al. as well as with scientific and education centers of JINR member states from Asia. For all these years JINR has been a real bridge between the West and the East promoting the development of wide international scientific and technical cooperation.

In order to improve and to expand our long and fruitful collaboration with Asian scientific centers in high energy and nuclear physics, education, applied investigations and in other related topics, to play a role of “bridge between Asia and Europe” JINR is applying for a status of observer of Asian Committee of Future Accelerators - ACFA. Prof. Grigori Shirkov, Chief Engineer of JINR, the ILC-GDE member, will attend the 14th Plenary ACFA Meeting at KEK on November 10-11, to present the application of JINR.

Sincerely Yours,

Alexei Sissakian

Director of JINR
Professor

Appendix 4

ACFA Statement on J-PARC

ACFA is happy to see the remarkable progress made in the construction and commissioning of the KEK–JAEA joint facility, Japan Proton Accelerator Research Complex (J-PARC). This new and exciting accelerator research facility using MW-class high power proton beams at 3 GeV and 50 GeV (30 GeV for the time being due to limitation on power supply), ACFA believes, will become one of the most important accelerator facilities in the world for the sciences in the 21st century, aiming at pursuing frontier areas of science in particle physics, nuclear physics, materials science, life science and nuclear technology at the highest beam power.

ACFA also notes that the J-PARC Center has been taking responsibility for the operation of the entire J-PARC facility under the collaboration between JAEA and KEK toward a successful accomplishment of the J-PARC in 2008. ACFA congratulates the team involved in setting up the new facilities at the J-PARC and is happy to note that it will be available to scientists from the Asian region for the research programs. ACFA urges J-PARC Center to create a mechanism to allow easy and efficient usage of the facility by world-wide users.

ACFA believes that scientists in Asia have excellent opportunities to carry out front line research with the J-PARC. ACFA wishes to urge governments in the Asian region to adequately support scientists in their own countries for timely cooperation with the J-PARC.

ACFA highly notes that several high power proton accelerators, such as Proton Engineering Frontier Project (PEFP) in Korea and China Spallation Neutron Source (CSNS), are under construction, and a proton linac for ADS in BARC and a cyclotron in VECC, India are in the R&D phase. ACFA encourages the J-PARC to strengthen collaborations with these new projects so that more Asian countries will possess advanced facilities, serving the purpose of frontier science research in Asia as well as in the rest of the world.