



An aerial view of Harima Science Garden City in Hyogo prefecture with the Inland Sea of Japan as its background, where SPring-8 has been constructed as the research core of the city.



An aerial photograph of SPring-8 showing the linac (left), the synchrotron (left), and the storage ring (center).



The main building (center) and cafeteria (lower) of the SPring-8 facility both under construction at the time when this report has been prepared.



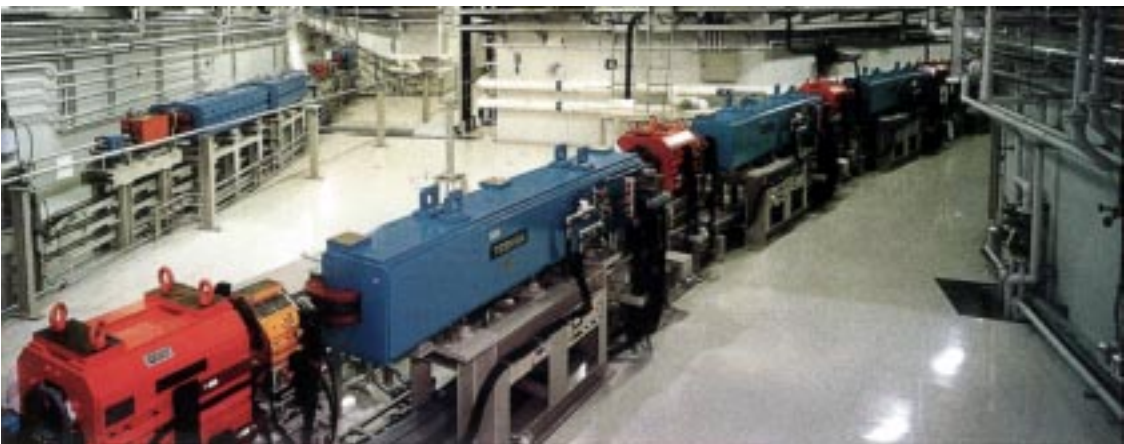
The guest house of the SPring-8 facility being made ready for welcoming guests.



The linac accelerator column and its associated quadrupole magnets (red-painted) for beam-focusing. Before transported to the synchrotron, electrons are accelerated up to 1 GeV with this system.



The RF cavities lined up at the synchrotron accelerate the electrons transported from the linac through a vacuum duct (right bottom) up to 8 GeV.

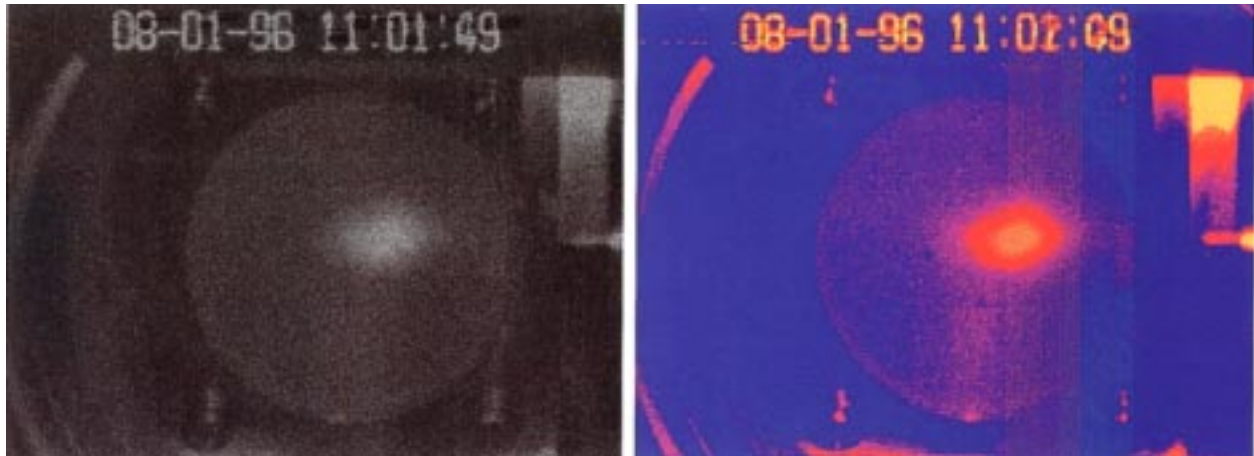


Electrons are injected to the storage ring via the beam transport system (upper left) after being accelerated up to 8 GeV in the synchrotron that is comprised of the bending, quadrupole, and sextupole magnets as displayed.

Beam Commissioning of 1GeV Linac and 8GeV Synchrotron !!

<http://www.spring8.or.jp/ENGLISH/facility/acc/accnow.html>

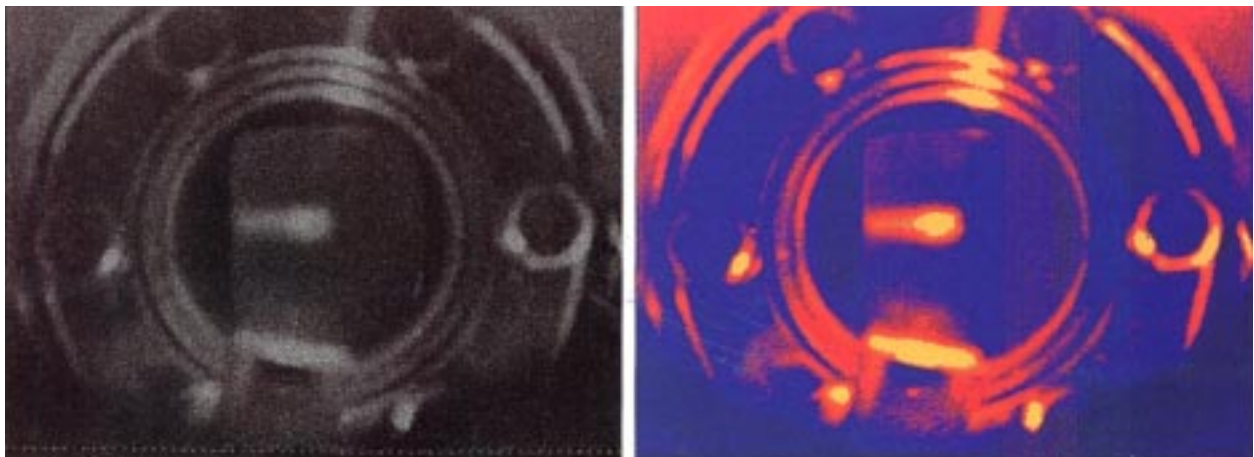
LINAC



before image processing (grey scale) after image processing (128 color)

A ceramic scintillating screen clearly displayed the image of a 60 MeV electron beam accelerated by the linac on August 1, 1996, confirming its first successful operation. A week later, the linac succeeded in accelerating the electron beam up to 1 GeV, and started commissioning since then.

SYNCHROTRON



before image processing (grey scale) after image processing (128 color)

By monitoring the beam image with a ceramic scintillating screen, the first complete turn of the electron beam with an energy of 1 GeV in the synchrotron was confirmed on December 10, 1996. After the succeeded acceleration of the electron beam up to 8 GeV on December 17, 1996, the synchrotron has started commissioning.



Dr. H. Kamitsubo, Director of SPring-8, congratulated Dr. H. Yokomizo, the injector group leader, on the successful operation of the linac at the party held on August 1, 1996.

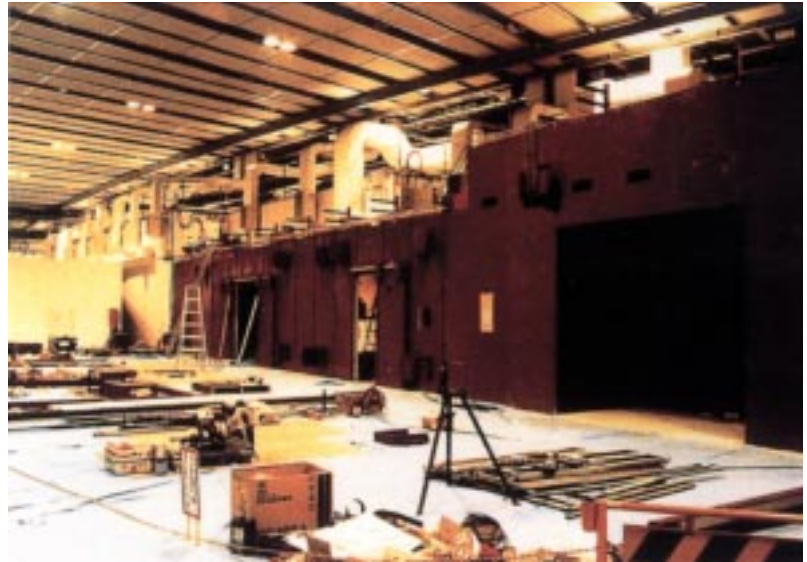


Dr. M. Iizumi, Executive Director of JAERI, congratulated Dr. H. Yonehara, the synchrotron leader on the successful operation of the synchrotron at the party held on December 17, 1996.



An in-vacuum undulator installed in the storage ring, in which the 8 GeV electron beam generates a highly brilliant x-ray beam of synchrotron radiation.

Optical and experimental hutches at the beamline of BL02B1 under construction.



Optical and experimental hutches completed at the beamline of BL01B1.

The beam transport system constructed in the optical hutch at the beamline of BL02B1 with a refocus mirror located at its center.



The beam transport system constructed in the optical hutch at the beamline of BL04B1 with water-cooled slits located at its center.

The beam transport system constructed in the optical hutch at the beamline of BL47XU with a double-crystal monochromator located in front.





The SPring-8 facility was open to public on April 21, 1996. More than 6,000 visitors came to see the 3rd generation facility of synchrotron radiation research institute in this country.



A large number of visitors kept the SPring-8 staff happy and busy all day long explaining their advanced facility.



Public visitors were guided and exposed to the very deep parts of the facility such as the linac accelerator tunnel, that were made accessible on this particular day for public.



SPring-8 regatta teams enthusiastically participated in a local boat race taking place at the PEIRON Festival at the bay of Aioi, May 26, 1996.

