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Report of Abstracts

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History of Synchrotron Light Sources

Abstract content

Status: Around the world there are now about 60 light source User Facilities in 20 countries serving more than 30,000 users. They have revolutionized capabilities in many areas of basic and applied research. This impact has extended to developing countries, where light sources provide excellent opportunities for training students without sending them abroad and losing many of them. This lecture will trace the evolution of synchrotron light sources from the first observation in 1946. Advances in accelerator technology have led to the extraordinary increase in source performance provided by first, second, third, and fourth generation light sources. Experience starting in the 1980's in countries such as Brazil, Korea, and Taiwan will be described, illustrating the benefits that an African Light Source will have on Africa. (www.lightsources.org)

Summary

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