

Generation And Application Of Coherent Extreme Ultraviolet Radiation

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Abstract. Coherent extreme ultraviolet radiation around the water window region (?4.4 nm) is generated by using an infrared driving pulses at 1400 nm, with energy 2.5 mJ and duration 40 fs in a semi-infinitive helium gas cell.

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Generation and application of coherent extreme ultraviolet radiation . By Hoang Vu Le and Lap Van Dao. Abstract. High harmonic generation featuring ultra-short pulses, short wavelengths and highly coherent radiation in a table-top setup has become one of the most versatile and affordable tools for studies of atomic and molecular dynamics as ...

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Generation and application of coherent radiation at Lyman-alpha Welge, K. H.; Zacharias, H. Abstract. Narrow bandwidth tunable Lyman-alpha light has been used to excite an atomic beam of hydrogen. A resolution of 700 MHz in the VUV was achieved. Also, a double resonance experiment to excite high Rydberg states in H atoms is described. ...

Generation and application of coherent radiation at Lyman ...
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The 9th Asian Workshop on Generation and Application of Coherent XUV and X-ray Radiation (9th AWCXR) will be held from October 16 to October 17, 2018 at Frontier Research in Applied Sciences Building, Hokkaido University, Sapporo, Japan. Brief Information Announcement

Riken - October 16 - 17, 2018
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Generation and Application of Coherent Extreme Ultraviolet ...
Generation and application of small bandwidth coherent extreme ultraviolet . By L. V. Dao. Abstract. Coherent extreme ultraviolet radiation can be produced by high-order harmonic generation of energetic femtosecond laser pulses in noble gases. Using 800 nm driving pulses and argon gas, the energy conversion efficiency is about 10-5 and the ...

Generation and application of small bandwidth coherent ...
The 7th Asian Workshop on Generation and Application of Coherent XUV and X-ray Radiation (7th AWCXR) will be held from August 30 to September 1, 2015 at the Center for Relativistic Laser Science of Institute for Basic Science, located at the Gwangju Institute of Science and Technology (GIST) campus, in Gwangju, Korea.

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