

## **hHz in Zimmerwald**

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Zimmerwald SLR station will replace its Ti:Sapphire laser by a 100-Hertz Nd:YAG laser system late 2007. The system is designed to be flexible in its use (e.g., by adjustable pulse rate, maximum but adjustable transmit energy of about 12 mJ per pulse at 100 Hz and 532 nm, adjustable attenuation in the receiving paths). It should be well suited for the support of future transponder missions and it will retain its two-color capability (pending the availability of suitable receivers at 1064 nm). The expected pulse length of <35 ps FWHM should allow for a precision of a very few mm in single photon mode.