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**UNIVERSITÄT
BERN**

Seminar über Ultrafast Science and Technology

Referent: Prof. Dr. Samichlaus, Santa Claus Holiday Village, University of Rovaniemi, Finland

Titel: Laser cutting of X-mas gifts

We use different types of lasers to cut X-mas gifts from 3 mm thick cardboard. It turns out that kids love best the ones made by ultraviolet laser radiation, although the physical mechanism is not yet fully understood. In order to address the problem we cut different animals with different laser intensities, focal positions and cutting velocities. The kids' enthusiasm seems to be largely unaffected by variation of these parameters. What seems to matter most is the type of animal and its appearance in terms of color and fluffiness. To the present day these results puzzle the laser community but with an increased budget and new lasers we hope to solve that mystery in the near future.

Zeit: Donnerstag, 21.12.2017, 11:15 Uhr

Ort: **Hörsaal B116**, Gebäude exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz