

Plenarvorträge (PV)

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**Plenarvortrag** PV V Mi 8:30 Audi-A  
**On the Shape of the Photon** — ●YARON SILBERBERG — Weizmann  
Institute of Science, Rehovot, Israel  
In many ultrafast optics laboratories we routinely synthesized shaped  
femtosecond pulses with high precision to serve as the driving fields for

coherent control experiments. Can we shape single photons? How short  
is a photon? I shall discuss how ideas borrowed from quantum control  
with classical pulses can be extended to nonclassical light sources, and  
in particular show how one can use pulse shaping tools on single pho-  
tons.