

A brief history of Rydberg EIT

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The experimental development of electromagnetically induced transparency (EIT) involving highly-excited Rydberg states is now over a decade old. [1] In this talk, I will review what we have learnt, why Rydberg EIT gives rise to giant optical non-linearities, [2] and how we might want to take things forward over the next decade.

[1] Mohapatra et al, PRL, 98, 113003 (2007).

[2] Firstenberg et al, JPhysB 49, 152003 (2016).