

Charles Townes: Creator of the Discipline of Photonics

Robert W. Boyd

(Part of the) Charles Townes Legacy

Inventor of the Laser

Discoverer of Fundamental Nonlinear Optical Processes

Autler-Townes Effect

Self Trapping of Light (Optical Solitons)

Stimulated Brillouin Scattering (SBS)

Also, his research group discovered light-by-light scattering
(the essence of photonics)

Presented at The Charles H. Townes Centennial Celebration Symposium, University of California at Berkeley, August 1 and 2, 2015.