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**Atomic Coherence Effects of Scattered Light in a  $\Lambda$ -Type Atomic System of  $D_1$ -line of  $^{85}\text{Rb}$  Atoms** SEONG HO MIN, HAN SEB MOON, Pusan National University — We report the two-photon coherence effects by scattered light in  $D_1$ -line of  $^{85}\text{Rb}$  atoms, such as electromagnetically induced transparency (EIT), electromagnetically induced absorption (EIA), and electromagnetically induced focusing (EIF), in a paraffin-coated Rb vapor cell. Especially, according to the direction of the scattered light, sub-natural width EIA-like and EIT spectra of the scattered light were measured simultaneously. We will illuminate the interesting spectra of the scattered light as two-photon coherence effects.

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