Search for $B^+ \rightarrow \ell^+ \nu \gamma$ decays at Belle

HONG JUN AHN, YOUNGJOON KWON, Yonsei University, BELLE COLLABORATION — We present a search for $B^+ \rightarrow \ell^+ \nu \gamma$ decays ($\ell = e$ or $\mu$) in a sample of $e^+e^-$ collisions with an integrated luminosity of 140/fb recorded at the $\Upsilon(4S)$ resonance using the KEKB asymmetric $B$ factory. The data are collected with the Belle detector, a multi-purpose magnetic spectrometer with near $4\pi$ solid angle coverage for charged and neutral particles.