





	b \rightarrow s γ inclusive			
b \rightarrow sy rate: sensitive to deviations from the SM, world average in good agreement with SM predictions.				
Photon energy E_g distribution: depends on m_b and Fermi motion parameter in the B system (parameters of HQE); also important for the determination of V_{ub} in semileptonic B decays.				
Previous measurement by CLEO: $E_{\gamma} > 2.0$ GeV.				
Belle: extend the energy range to $E_{\gamma} > 1.8$ GeV to cover >95% of the rate.				
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b \rightarrow s γ inclusive					
•	 Consider all photons with E_γ > 1.5 GeV Reject candidates compatible with π⁰, η → γγ Apply stringent continuum cuts (event shape and energy 				
•	 Subtract the remaining continuum component as determined with off-resonance data Other sources: inferred from data-corrected MC and 				
•	 Signal selection optimisation: maximize the significance in 				
	the 1.8GeV<	$E_{\gamma} < 1.9 \text{ GeV}$ interval da	ata sample 140/fb		
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