

Fiber used is BCF-91A

Info taken from brochure Scintillating Optical Fibers , Saint-Gobain Crystals

BCF-91A Shifts blue to green

- Emission color : **green**
- Emission peak **494 nm**
- DecayTime, **12 ns**
- $1/e/m > 3.5$ (1mm^2 fiber)

$A = A_0 \exp(-x/3.5)$, so for 1 m $\exp(-1/3.5) = 0.75$ FOR 1mm^2

Optical Spectra –

