## ▶ PMT — Single Photo Electron response

PM GAIN 4,50E+06 SPE length 5.5 ns SPE Imax\* 26 uA 0,7 pC SPE charge SPE in V\* I,61 mV (I/2 Match Loss)



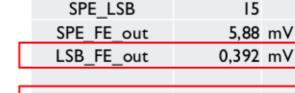
BANDWIDTH	10	MHz
ADC Dynamic Rang	ge 2	٧
ADC_bits	12	
ADC_LSB	0,49	mV
ADC_Gain	1,25	
SPE_ADC	7,35	mV
SPE_LSB	15	

## FRONT END BASIC SPECS

\* Due to FE

\*Zin = 124

Filtering Effect



**GAIN** 

Noise(rms) should be kept under 1/2 LSB 226,5 Vout / lin

Including R2 (Av  $\approx$  4)