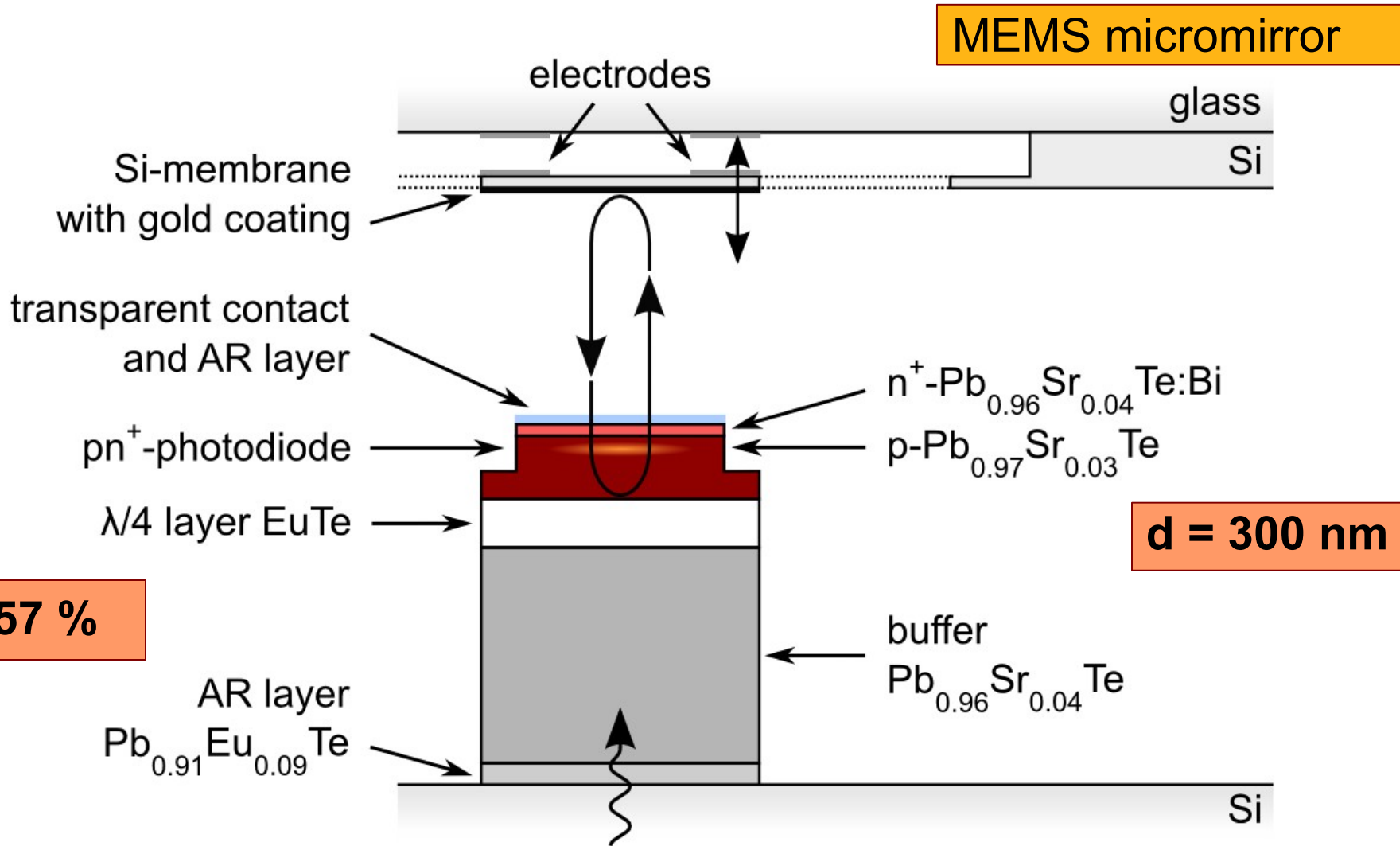
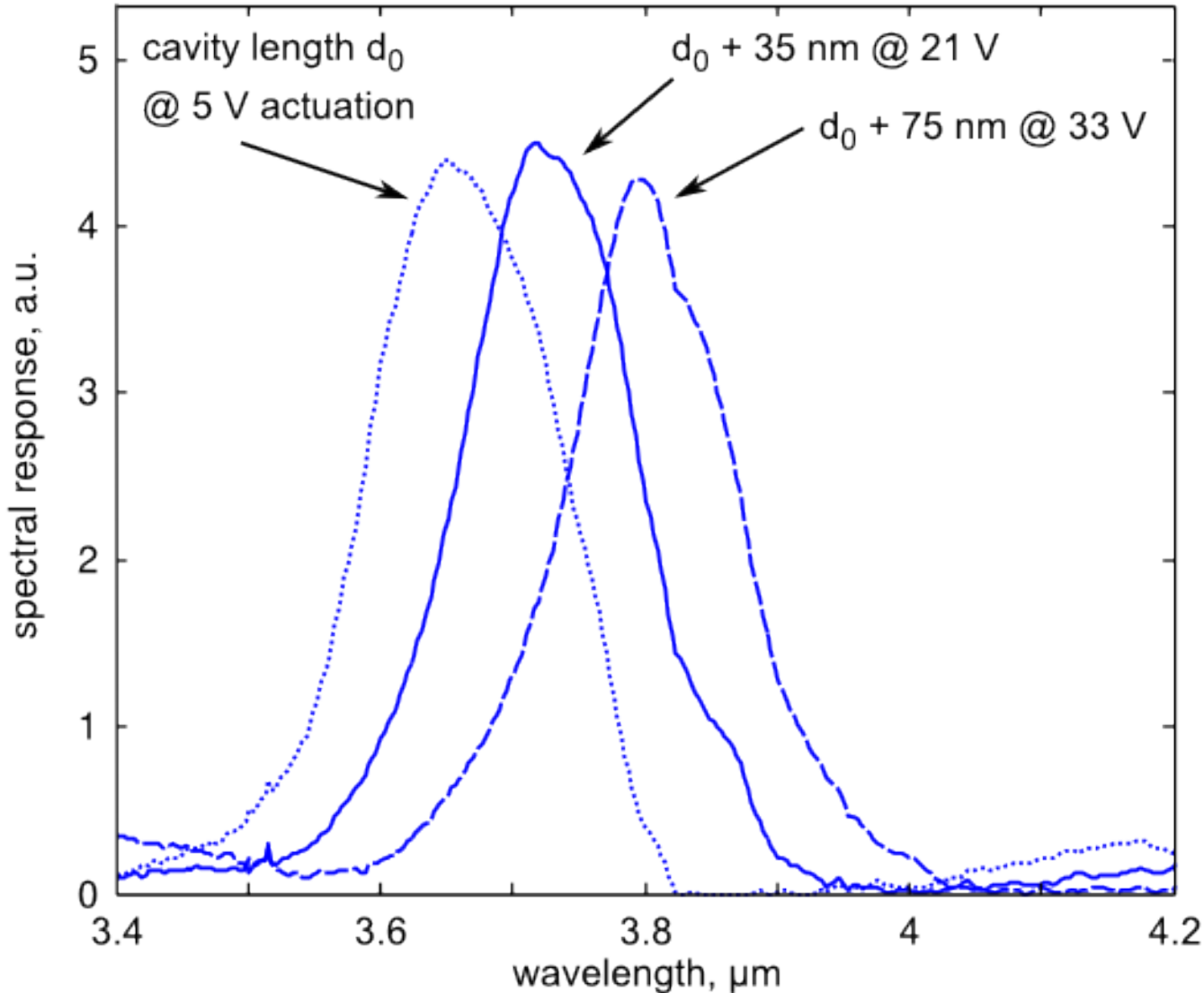


Tunable RCED



Tunable RCED with MEMS micromirror



FWHM $\sim 150 \text{ nm}$
 $R_1 \sim 57 \%$

120 K, BG subtracted

Tunable RCED

Realized tunable RCED with MEMS micromirror

- Mirror movement away from the diode chip: $d \sim U^2$
- $\Delta d \sim 3.5 \mu\text{m}$
- Cavity length:
original $13 \mu\text{m}$
external $7.5 \mu\text{m}$
- Partly single mode,
next higher mode
orders ($n = 7, 8, 9$)
- $3.5 \mu\text{m} - 4 \mu\text{m}$

