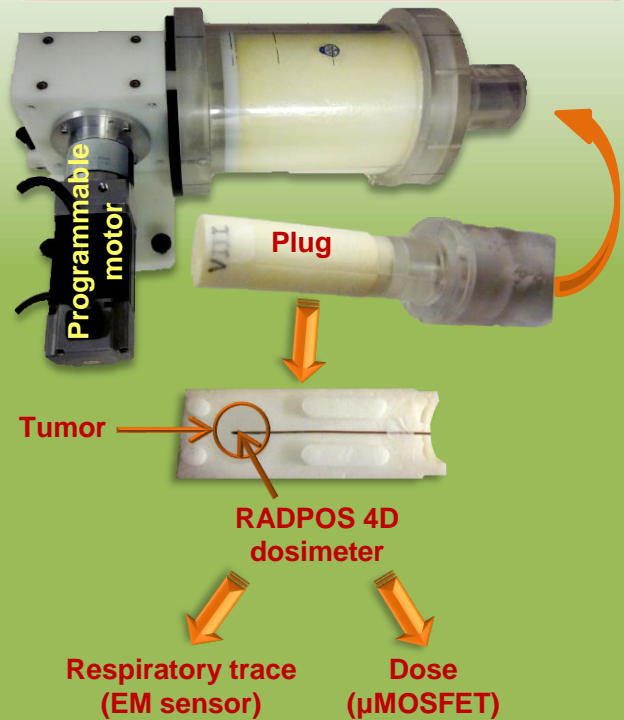
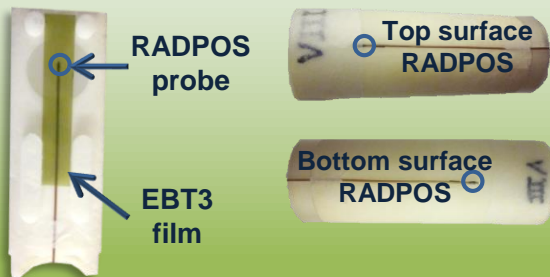


# Experimental verification of 4D Monte Carlo simulations in a deforming anatomy

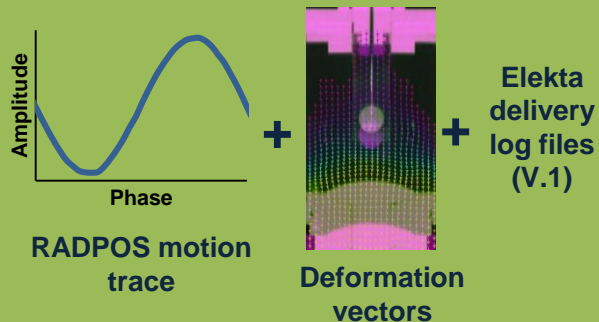
## Deformable phantom design



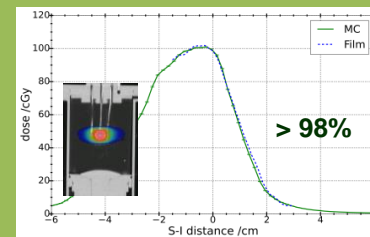
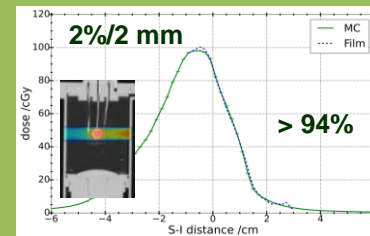
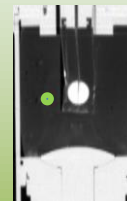
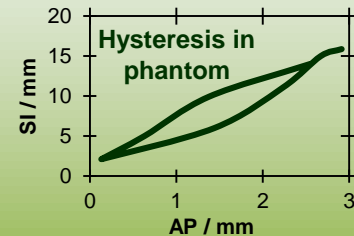
## Dose calculations and measurements



## 4D Monte Carlo simulations (4DdefDOSXYZnrc)



## Results



### MC/Measured dose values

| Location     | MC/Measured dose values |
|--------------|-------------------------|
| Center       | 2%                      |
| Top & bottom | 5%                      |