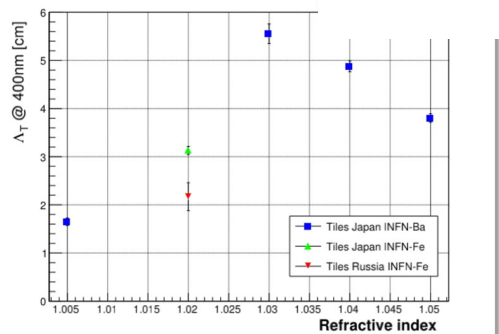
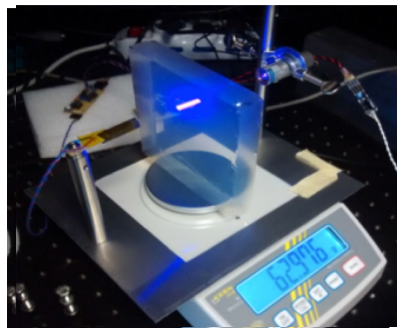
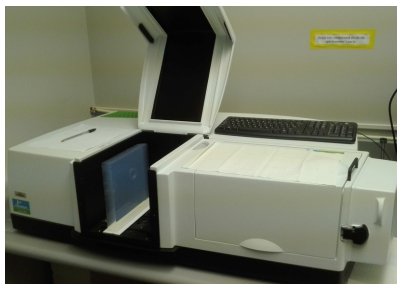
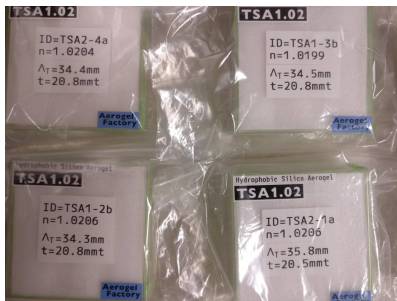
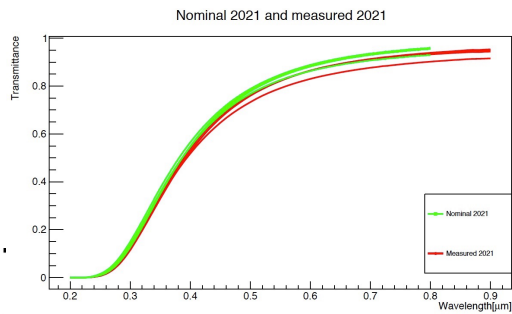


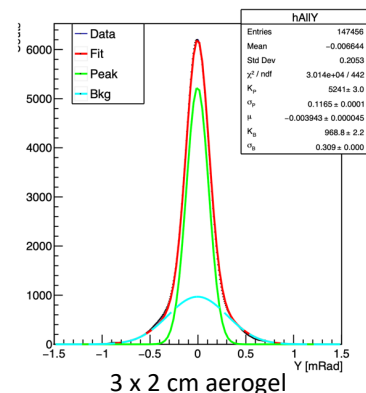
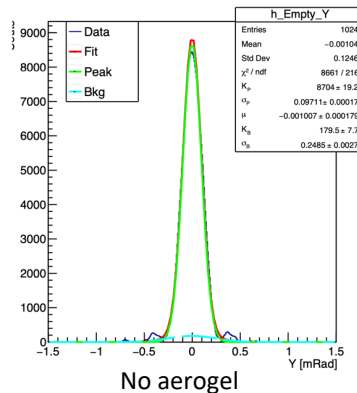
Aerogel Factory (BELLE-II) Initial evaluation & Reproducibility on small samples in synergy with ALICE

Transmittance & Transflectance



Density & refractive index

Laser spot broadening: Y profile



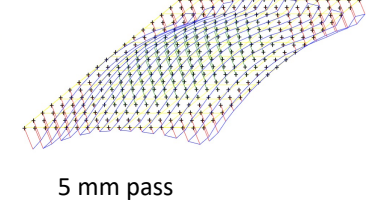
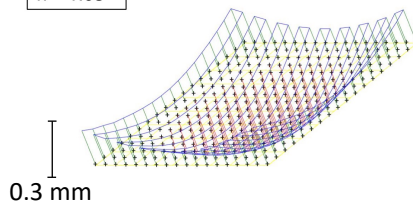
Touch Probe: planarity and thickness

10x10x2 cm³ tile
(from ALICE)

n = 1.03

Y -

Y +



Examples of Characterization

Comparison DATA vs MC model

DATA: Aerogel Factory samples

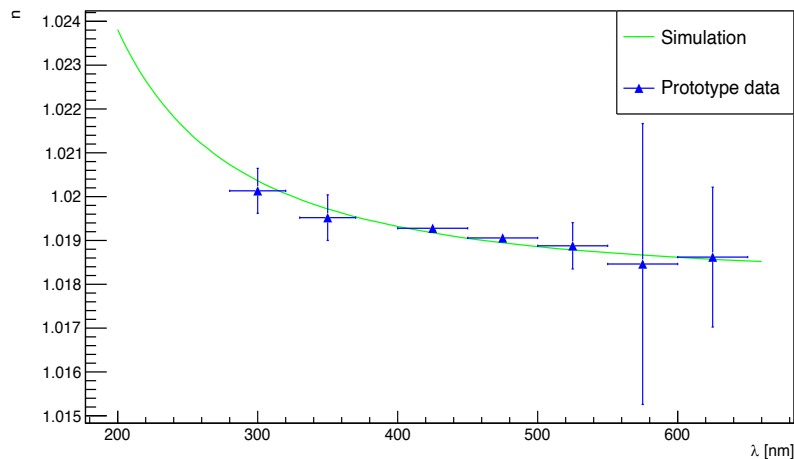
MC: EPIC parameterization

Chromatic dispersion
(major expected contribution to resolution)

Data from dRICH prototype

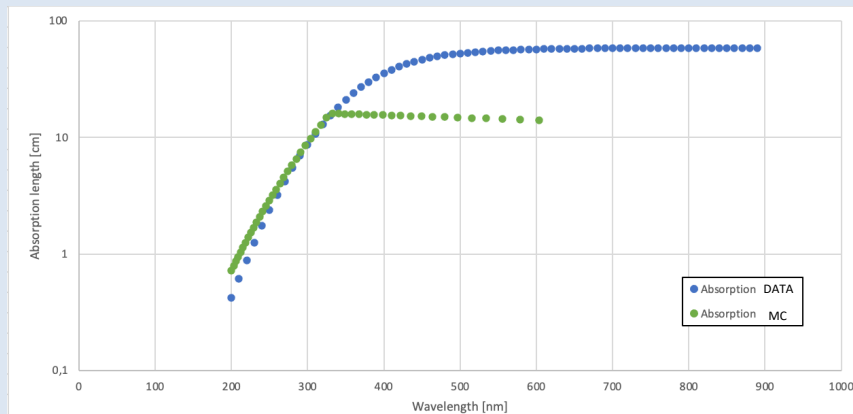


Refractive index



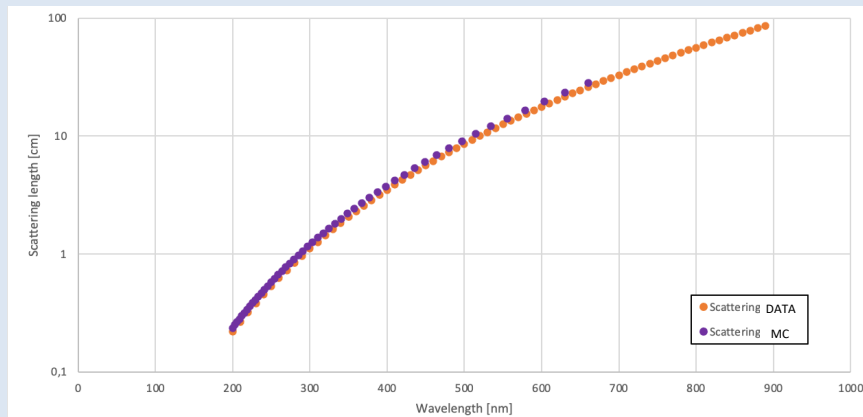
Absorption length

Data from INFN characterization



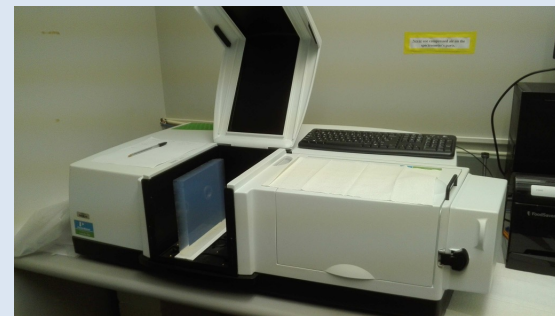
Scattering length

Data from INFN characterization



Spectro-photometer:

- General maintenance & calibration
- Renovation of the lamps
- Repair of integrating sphere module



Dry-cabinet:

- New dry-unit for umidity control

