

FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING

PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING

MLL-KOLLOQUIUM

Donnerstag, 16.11.2017, 16¹⁵ Uhr

Hörsaal der LMU in Garching, Am Coulombwall 1
Treffen zum gemeinsamen Kaffee 16 Uhr

Dr. Marie Vidal

(Centre Antoine Lacassagne, Nizza/Frankreich)

In proton therapy, how to treat a first patient with a prototype?

After several years of common development the accelerator building companies IBA (Louvain-la-Neuve, Belgium) and AIMA (Nice, France) built a prototype synchro-cyclotron (S2C2) and in 2016, the Centre Antoine LACASSAGNE (Nice, France) treated the first patient with the first ProteusONE (IBA) proton therapy machine, including the S2C2 and a compact gantry beam line. Treating patients with a prototype includes a lot of challenges and uncertainties about the issue. This talk is about this journey and the experiments achieved with this new prototype: absolute dose measurements, range determination with ionoacoustics etc. The Centre Antoine LACASSAGNE is one of the two proton therapy centers in France and this talk gives also an overview of the proton therapy strategy in France nowadays.

gez. Peter Thirolf
Tel. 289-14064

gez. Norbert Kaiser
Tel. 289-12367