

**FOOT Physics Performances**  
**17 May 2019**  
**Introduction**

**G. Battistoni**

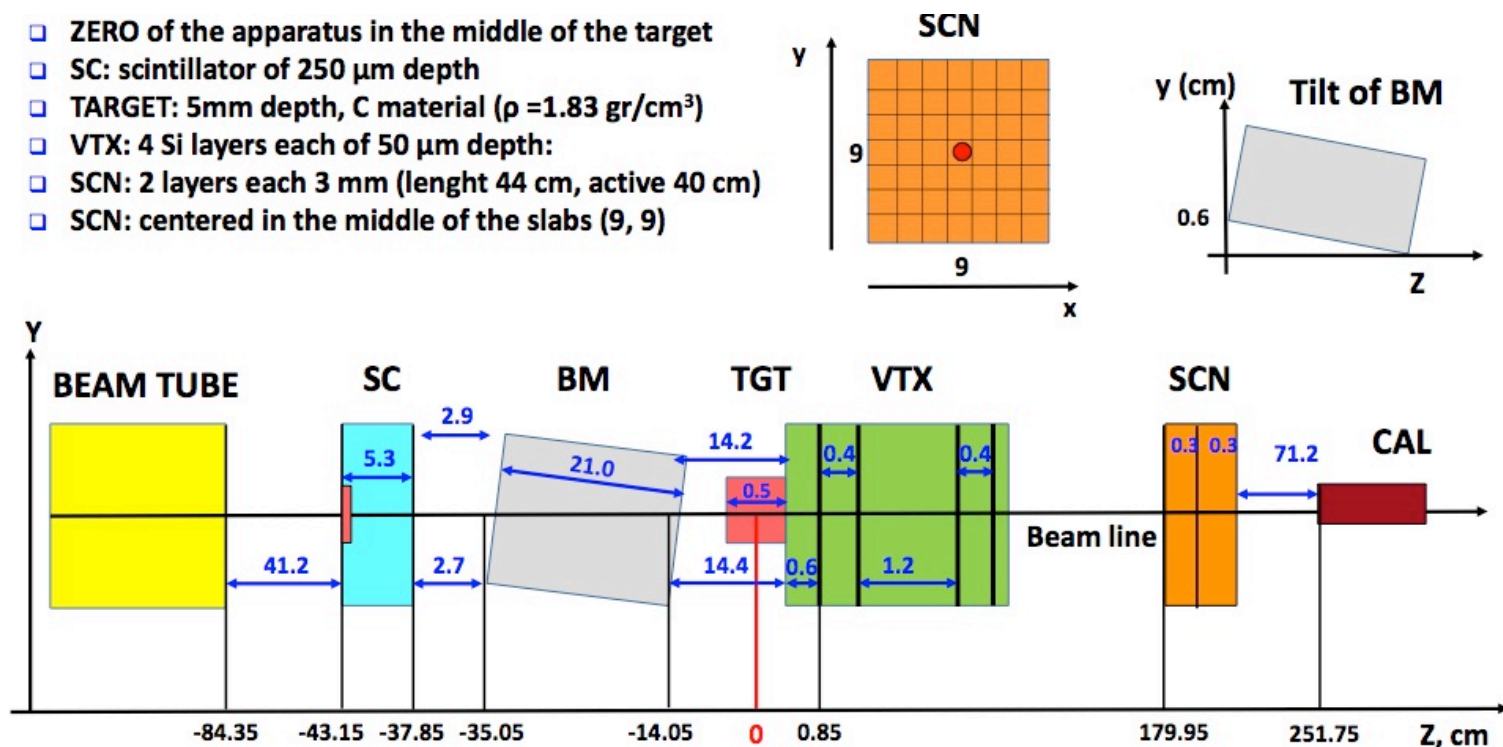
# Today's Focus

- 1) Towards the next collaboration meeting
  - Status of emulsion analysis
  - What have we learned about the detectors ,  
DAQ, rec. software?
  - Is some analysis going on?
- 2) Status of other/previous test beams etc.
- 3) Today's agenda

# Simulation of GSI setup of electr. detector

For different reasons we are somewhat behind in schedule in the implementation of the final geometry

- ❑ ZERO of the apparatus in the middle of the target
- ❑ SC: scintillator of 250  $\mu\text{m}$  depth
- ❑ TARGET: 5mm depth, C material ( $\rho = 1.83 \text{ gr/cm}^3$ )
- ❑ VTX: 4 Si layers each of 50  $\mu\text{m}$  depth:
- ❑ SCN: 2 layers each 3 mm (length 44 cm, active 40 cm)
- ❑ SCN: centered in the middle of the slabs (9, 9)



Among the most urgent items: some checks of compatibility of indicization of detectors with rec. software (ex. TOF Wall) have to be completed

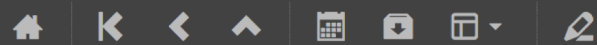
# Importat issues

- **Preliminary simulated data (not with final geometry but for generic physics evaluation) available on GSI cluster** (/lustre/nyx/bio/gbattist/GSI\_Apr2019/16O\_C\_\*.root)
- **Situation of exp. data files , repository, organization, quality checks etc.**
- **Next: FOOT Soft. Meeting on May 24**



# Next FOOT Collaboration Meeting

<https://agenda.infn.it/event/18616/>



Europe/Rome ▾ English ▾ Login



## VI FOOT Collaboration Meeting


5-7 June 2019

CNAO, Strada Campeggi, 53, 27100 Pavia PV

Europe/Rome timezone

# Today's Agenda

<https://agenda.infn.it/event/19286/>

10:30	→ 10:45	<b>Introduction</b> Speaker: Giuseppe Battistoni (MI)	🕒 15m	📎
10:45	→ 11:00	<b>Status of the work for the emulsions after the exposure at GSI</b> Speakers: Adele Lauria (NA), Giuliana Galati (NA), Maria Cristina Montesi (NA)	🕒 15m	📎
11:00	→ 11:15	<b>DAQ Status</b> Speaker: Mauro Villa (BO)	🕒 15m	📎
11:15	→ 11:30	<b>Margarita Analysis</b> Speakers: Gaia Franciosini, Gaia Franciosini (Roma 1)  SlideMargarita_GF.p...	🕒 15m	📎
11:30	→ 11:45	<b>Beam Monitor Updates</b> Speakers: Sofia Colombi (T), Yunsheng Dong (MI), Gianluigi Silvestre (PG)	🕒 15m	📎
11:45	→ 12:00	<b>Vertex@GS</b> Speaker: Christian Finck (CNRS-In2p3)	🕒 15m	📎
12:00	→ 12:15	<b>Status of TW Calibration</b> Speaker: MATTEO MORROCCHI (PI)	🕒 15m	📎
12:15	→ 12:25	<b>Status of software</b> Speaker: Matteo Franchini (BO)	🕒 10m	📎
12:25	→ 12:35	<b>Results on calorimeter</b> Speaker: Piergiorgio Cerello (TO)	🕒 10m	📎
12:35	→ 12:50	<b>GSI data status and general info</b> Speaker: Alberto Mengarelli (BO)	🕒 15m	📎
12:50	→ 13:05	<b>Preliminary analysis of GSI data electronic setup</b> Speaker: Roberto Spighi (BO)	🕒 15m	📎
13:05	→ 13:15	<b>General Discussion</b>		📎