

# HASPIDE



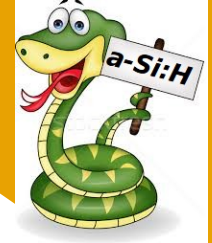
**6<sup>th</sup> Meeting 2022-10-04**

<https://https://agenda.infn.it/event/31895/>

*L. Servoli*



# General Communications



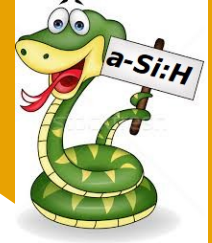
## 1) Results of 2022 money requests to CSN5

- **additional money for 2022/23 AdR positions:**  
we requested 6 positions for 2023;  
2 (LNS + FI/WP5) have been granted in July,  
3 more (LE/WP1, FI/WP4, PG/WP1) in September.  
The last request MI/WP2 we agreed to retreat.

*In total (including the one granted in 2022 to TO/WP2) we obtained so far 6 one-year positions.*



# General Communications



## 1) Results of 2022 money requests to CSN5

- **additional money for 2022/23 AdR positions:**  
Most likely there will be no possibility to ask for additional positions for 2024.

**Most important, all the procedures for 2+3 assigned this year MUST be started within 2022. So each Responsabile Locale should start to discuss with his/her INFN director about that.**



# General Communications



## 2) Results of 2022 money requests to CSN5

→ **travel money for 2022 tests:**

**We have obtained 5 k€ for approved tests:**

→ **Berne Cyclotron (3.5 k€)**

→ **Trento Proton Beam (1.5 k€)**

**+ 1.5 k€ unblocking s.j. in Lecce.**

→ **ELIBEAM proton beam**

**1.0 k€ unblocking s.j. in LNS**



# General Communications



## 2) Results of 2022 money requests to CSN5

→ **unblocked money for 1st miniASIC submission.**

**Summary of 2022: 240 k€ / 515 k€ requested  
(3 AdR included)**



# General Communications



## 3) Results of money requests for 2023

### → **Travel Money:**

The need for a general meeting in presence has been recognized. Each INFN unit has received part of the money requested for the meeting.

We will start to discuss about date and place in October and November.

I propose to have the meeting in January or February at latest.



# General Communications



## 3) Results of money requests for 2023

### → **Travel Money:**

Money for tests has been granted for all requests.  
Most s.j. to the possibility of doing the test.

→ Money for conferences should be asked when the abstract will be accepted.

**Summary of 2023: 257.5 k€ / 358 k€ requested  
(3 AdR included anticipated to 2022)**



# Milestones for 2023



Milestones Concordate		
Data	Descrizione	Completamento
29-09-2023	WP2: Caratterizzazione del primo miniASIC	0
30-10-2023	WP1: Qualificazione completa di dispositivi CSC (PECVD), sia singoli che matrici, depositate su substrato plastico flessibile.	0
30-10-2023	WP1: valutazione dei limiti e delle potenzialita' delle tecniche PLD e sputtering reattivo per le varie applicazioni previste nel progetto.	0
14-11-2023	WP1: Completamento dei test di resistenza al danno da radiazione ionizzante per dispositivi sia p-i-n che CSC.	0
14-12-2023	WP5: Simulazione di un prototipo di strumento a silicio amorfo idrogenato per applicazioni nello Spazio.	0
31-12-2023	WP6: Deposizione di film sottili 10B sia su substrati flessibili che direttamente su rivelatori di a-Si:H e loro caratterizzazione.	0
31-12-2023	WP4: Validazione di prototipi testati con fasci clinici di fotoni ed elettroni rispetto a dosimetria di riferimento.	0





# General Communications



- 4) *Nicholas obtained a Swiss Government grant to study the Charge Selective Contacts technology applied to Amorphous Silicon devices, both planar and 3D.*
  
- 5) *ASI call has been retreated and will be again published hopefully soon.  
Mauro and Catia are preparing a draft to be ready for it.*



# General Communications



- 6) *Italian PRIN call has been published.  
As for last call, if there are ideas for subjects related to HASPIDE we should coordinate it.*
  
- 7) *I'm now in the e-mail list of INFN-E project (E. Nappi project manager). It's a project dealing with energy applications, including nuclear sites monitoring.  
The aim is to understand if there are applications, collaborations or synergies with HASPIDE*



# General Communications



- 8) Discussion with B. Alpat (BEAMIDE INFN Startup) for use of HASPIDE devices to measure flux at a 19-30 MeV proton accelerator in Ankara.
- 9) Paper on spectroscopy measurements has been accepted by Nanotechnology. It will be published Open Access.
- 10) 2 talks at 108° SIF Congress in Milano [C. Talamonti, L. Servoli]  
1 talk at RADECS 2022 (Venezia) [M. Large];