

CGEM operations at IHEP

Ilaria

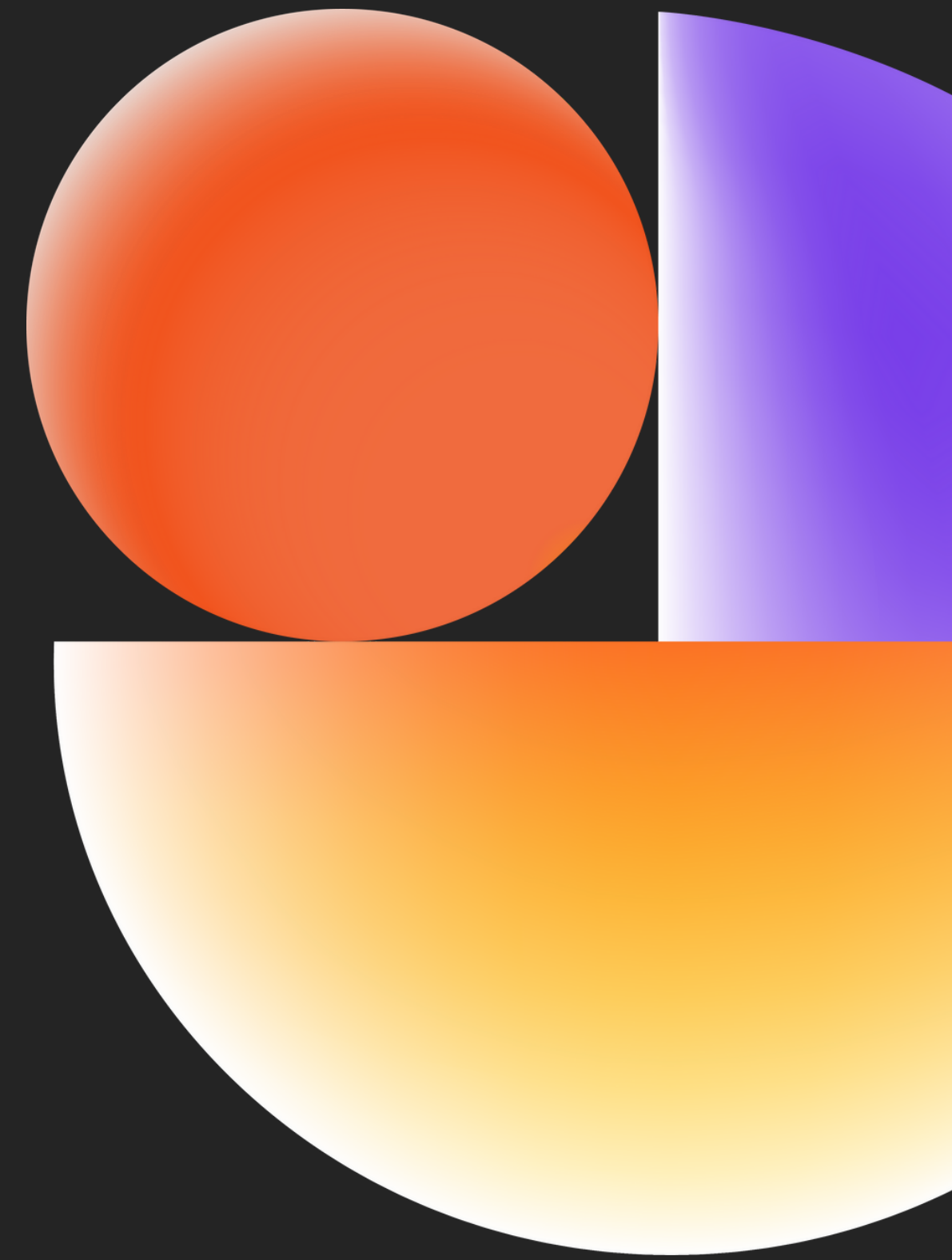
on behalf of the working group

CGEM Workshop

March 2022

Online

- ▶ **L1 + L2 status**
- ▶ **Short time plans**
- ▶ **Long time plans**



SAME GOALS

Keep the detectors on as much as possible

- Shift schedule to overcome the missing interlock system
-> thanks to LV/HV experts and Shifters
- Regular power on of the detectors
-> now three times per week
- On-site maintenance to allow off-site safe operations
-> MANY THANKS to Mingyi and Jing

LOW ON
PEOPLE
LATELY



Status

- **L1 is OK** - small discharges ($<0.1\mu\text{A}$) after a few days shut down. Probably due to the connection of the Faraday cage on its inner surface, now not reachable.
- **L2 shows a small drift on G1** after few hours on in hot and humid periods
- **Chiller and gas systems** are ok thanks to the maintenance on-site
- The air conditioning system is broken since December 2021

DIDN'T
CHANGE

DIDN'T
CHANGE

DIDN'T
CHANGE

NEW

Short-time plans

- ▶ Air Conditioning decision
- ▶ Regularly power on the detectors
- ▶ Run stability tests
- ▶ Acquire data

DECISION
SUSPENDED

Change the cooling system's UV lamp - it run over hours

▶ DONE

Ship L3's FEB to Italy - to continue testing them

▶ DONE

Check the chiller pump - turn it on at first

▶

Change the GEMROC's firmware - to update the system

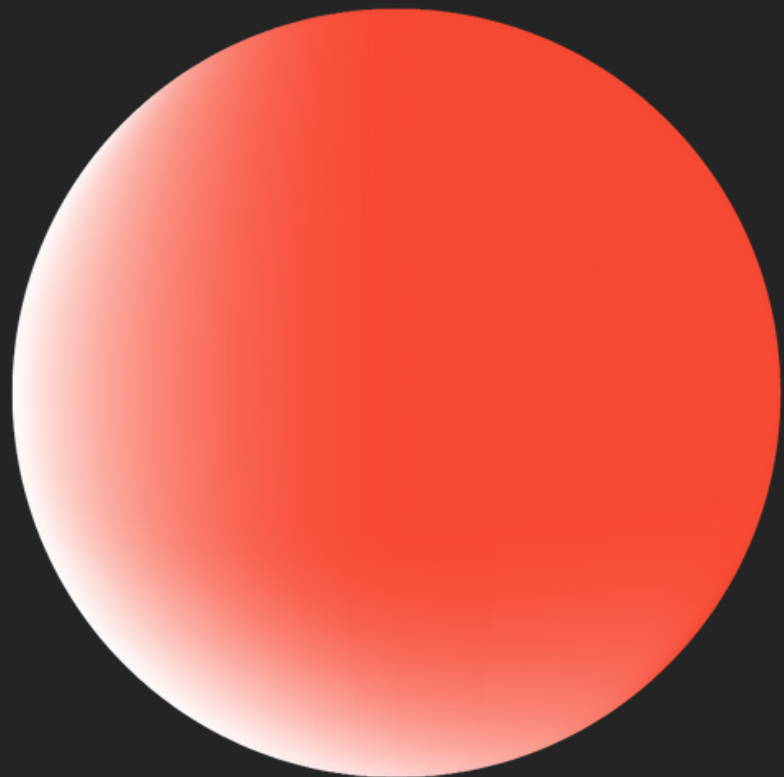
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SAME
GOALS

Long-time plans

- Checks on detector's HV instability
- CGEM-IT Moving
- CGEM-IT New cosmic stand
- Readout chain -> Michela's talk



GRAZIE

