Today’s and tomorrow’s SC meeting will be focussed on the planning of the operations of the laboratory in year 2023

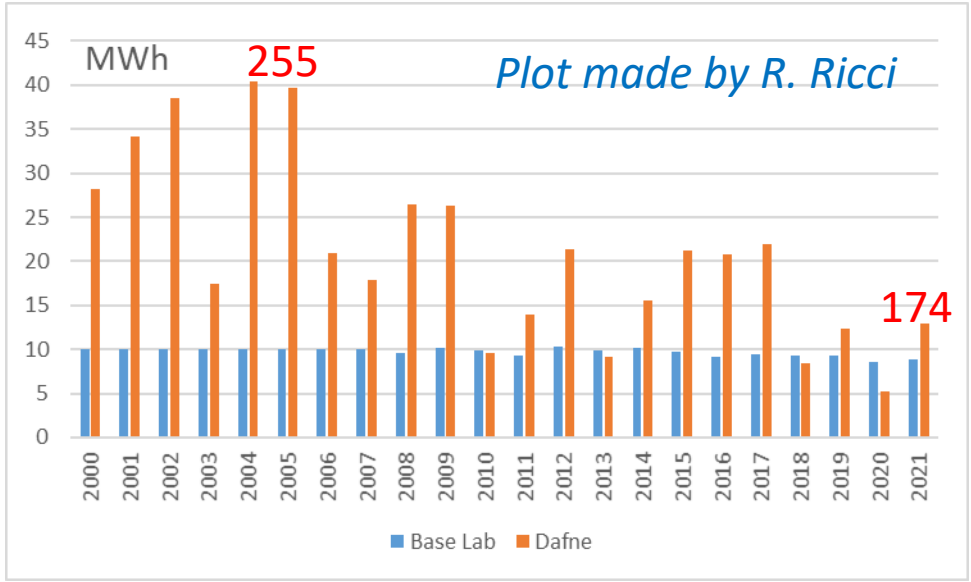
In the presentations of the various experiments the scientific and technical aspects of their respective programs will be discussed

There is however one other aspect of the problem that has to be taken into account, due to the current international political situation, i.e. energy consumption and costs

In fact, following the sharp increase of the cost of electrical power in the last months, the INFN management has requested us (and the other major laboratories) to study possible operation scenarios in terms of energy consumption/saving

Energy consumption of the laboratory is dominated by the operation of DAFNE in collider mode

Over the last years, a strong reduction of power consumption of DAFNE has been obtained, passing from ~ **5** MW average consumption in 2005 to ~ **3** MW today. Operating only BTF results in ~ **0.5** MW

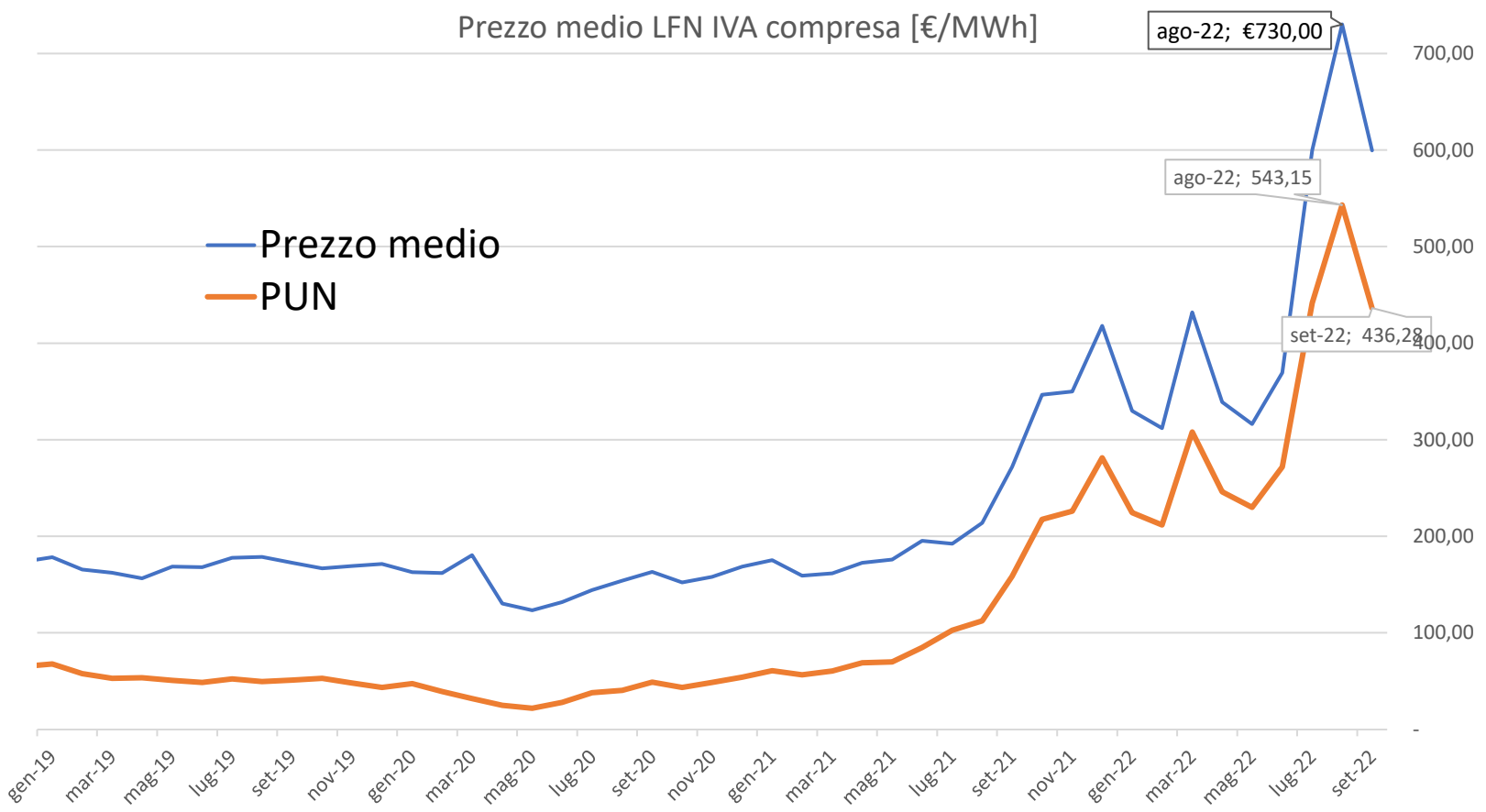


Taking into consideration the stops due to maintenance work and/or holidays we can envisage two periods of operation for 2023 in Spring/Summer (~**130** days) and Fall (~**90** days)

Three possible scenarios can be considered

A.	Full DAFNE+BTF run:	15.4 GWh	total power consumption
B.	Full in Sp-Su + BTF only in Fall	10.2 GWh	(-32%)
C.	Run only in Spring-Summer	9.1 GWh	(-41%)

Why this is important?



If as Aug. 2022
- A 11.2 M€
- B 7.3 M€
- C 6.5 M€

PUN Oct 211,5
- A 4.6 M€
- B 3.6 M€
- C 2.7 M€

Unitary cost of power in the last two years has undergone fluctuations of order 200-300%