



XBEAM Strategy Workshop

La falla de EUCARD2



Welcome to Valencia: « Las Fallas »

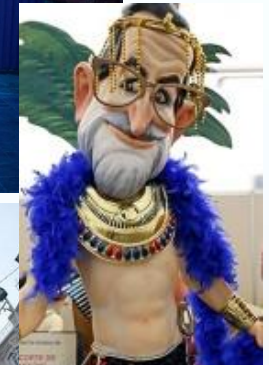
Las "Fallas Festival" is the most important event in the Valencia region. The event took place over a week 15-19 March, it is a tribute to St. Joseph celebrating the arrival of spring, with fireworks, processing, street fiestas and bonfires made from large puppets called *ninots*. *Fallas* are gigantic sculpted structures of cardboard and wood that satirize current events and personalities. Each of the city district makes its own *ninots*.

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Fundraising events are held throughout the year, and months are spent constructing the elaborated sculptures. The sculptures are made by the *artistas falleros*.

Figures are made of papier-maché and are often comical or satirical. Some of them are as tall as five-store building.

Ahead of the St-Joseph day the Fallas are displayed on the streets of the city. The monuments are visited by all the citizens during these days and a jury established a classification. The competition is really hard.



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Firecrackers or *mascletá* took place at midday during the week of the festival. The explosion starts when the *Fallera Mayor* from the balcony of the town hall pronounce the magical words: *Senyor pirotècnic pot començar la mascletà* (Mr. Firemaster you can start the fireworks).

The Offering of the Flowers is a whole ceremony. Over the days of 17th and 18th of March the city will be taken over by parades of traditional costume and music bringing flowers to the centre of Valencia - to make a huge statue of Virgin out of them



But eventually all *Fallas* are reduced to ashes as symbol of the renewal the night of 19th March. Valencian people loves the “fire”. The 20th of March people start to think about the Falla of next year....



This idea of the “reducing to ashes for renewal” is just the main objective of this meeting. Making a Falla of EUCARD2, i.e discuss about the pro and cons of the old and new accelerator projects and related techniques, the challenges, the issues, make some criticism and after the final burning of EUCARD2, ARIES will start.



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**More info on Wednesday afternoon
during the tour and dinner**



XBEAM Present and Future perspectives

An uncompleted view ...

EU Accelerator Projects

In operation
In construction
Under study

2017 2020



EUCARD2 ARIES EUPRAXIA
EuroCircol, eJADE

International Large Scale Projects

2017 2019 2020 2025 2026 2028 2040



<p>LHC ATF2 Super B XFEL ...</p>	<p>ESS SC linac</p> <p>EU Strategy: FCC/CLIC, ILC LBNF...</p>	<p>HL-LHC 11T Nb₃Tn</p> <p>FAIR</p>	<p>LBNF</p>	<p>CepC</p> <p>ILC 1.3GHz SC nano- beam/stabiliza- tion</p>	<p>PLC</p> <p>CLIC 12 GHz two- beam nano- beam/stabiliza- tion</p>	<p>HE-LHC 16T Nb₃Tn/NbTn</p> <p>FCC pp 16T Nb₃Tn/NbTn</p> <p>FCC ee High current Z-pole CppC</p>
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XBEAM Accelerators and Techniques



XBEAM

Extreme Colliders: e+e-, hadrons, μ , $\gamma\gamma$

Extreme Rings: space charge, e- cloud, optics, resonance islands, commissioning, advance concepts for coll and more

Extreme SC linacs: Protons, high power beam instrumentation, ERLs

Extreme Polarization

Beam stabilization: beam instabilities, impedance mitigation, feedback

Cost, Reliability and Availability

APEC Accelerator Performances and Concepts



APEC

Far Future Concepts and Feasibility

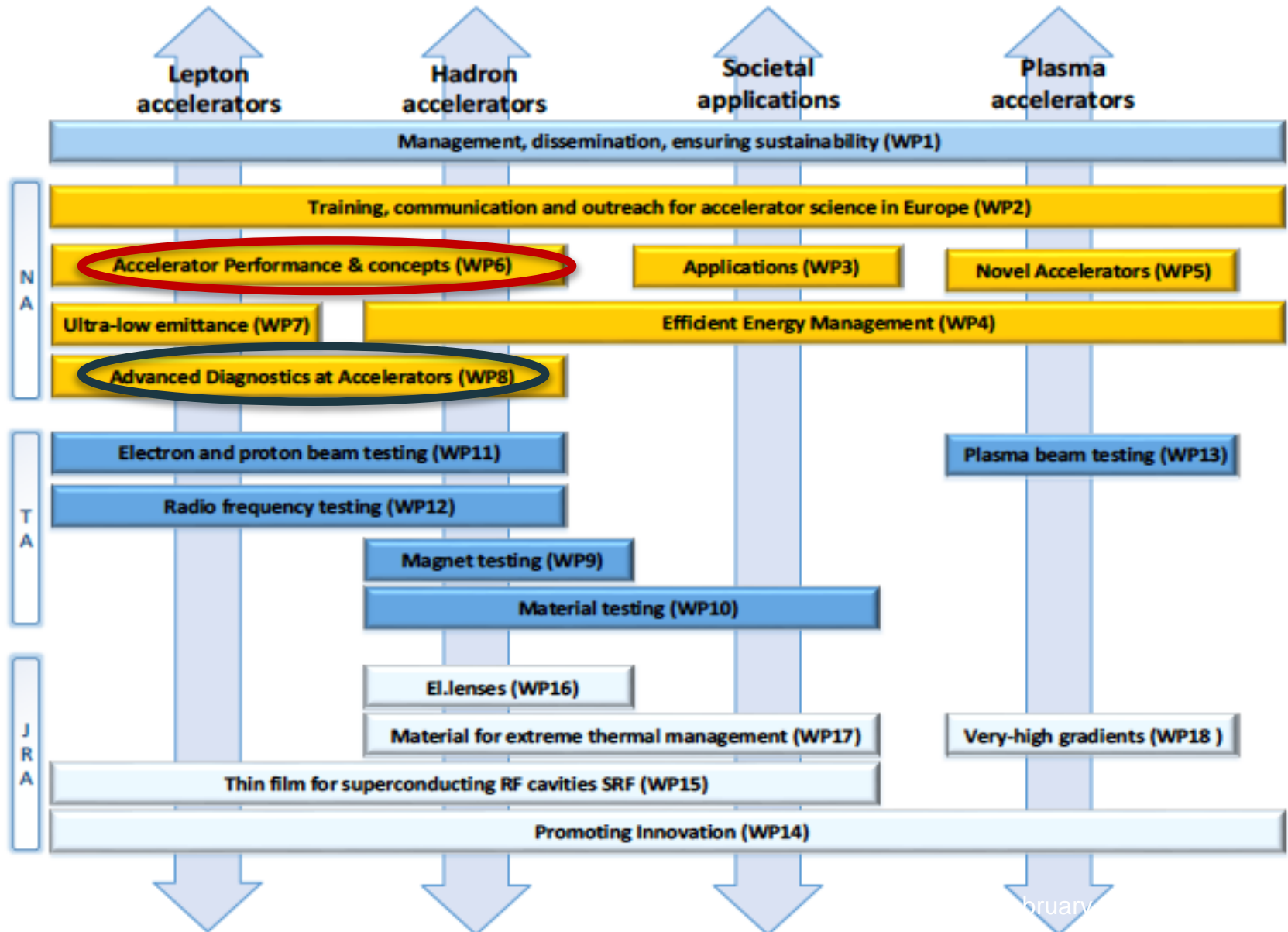
Beam Quality Control in Hadron Storage Rings and Synchrotrons

Beam Quality Control in Linacs and ERLs

Improved Beam stabilization

Reliability and Availability

ARIES WPs structure and Organization





We have all the week to evaluate the current status of the Xbeam and to make a roadmap for APEC, we have presentations, discussions and time for writing...



*Mr Firemaster you
can start the
mascletá*

