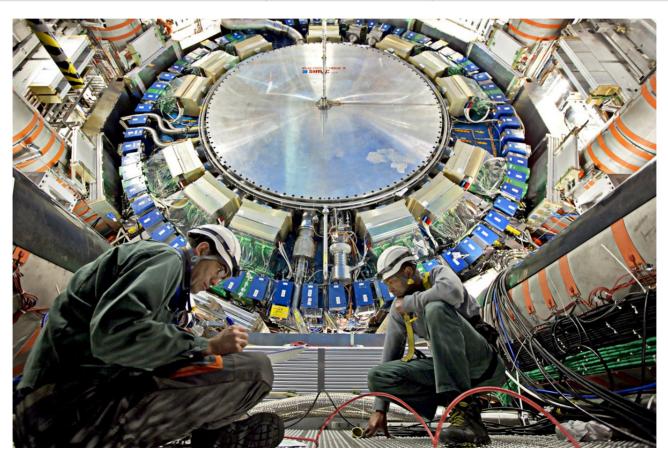
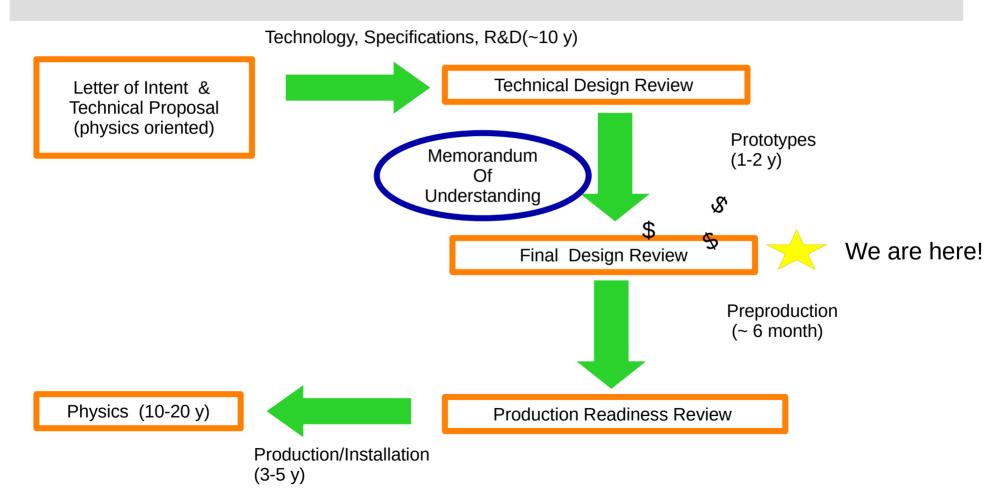
# Procurements in experiments (ATLAS)



- Funded by universities/institutes members of the experiment (not by CERN centrally)
- Big experiments (ATLAS/CMS) upgrade ~300 MSFR investment cost (excluding manpower)

#### Life cycle of an experiment



#### What is procured

- Subdetectors
  - Details in MoU (1/subdetector)
  - Procurement trough CERN or participating institutes (Funding Agencies)
  - Typical items: HW components, cables, custom electronics, mechanics.
  - A large fraction of work done inhouse. Cost is not in budgeted

- Common items
  - Details in MoU (1/experiment)
  - Procurement trough CERN
  - Categories → next page

#### Common items (example)

- Management and experiment services
- Facilities
  - Cooling
  - Ventilation
  - Gas
  - Electricity
- Safety

- Buildings and labs
- Electronics
  - Racks
  - Power distribution
  - Computing
  - Control system
- Shielding
- Interfaces (to LHC, between systems etc..)

### Purchasing



REQUIREMENTS RANGING BETWEEN TO KEHF AND ZOO KEHF CONTRACT AMARO DURATION: 6-8 WEEKS PROUBLING 200 KCHE DURATION:30-AOWETE Beware of timelines! Depending on CERN contribution, Finance Committee approval might be needed (potentially +12 weeks)

# Range 0 – 10kCHF

Requests up to 1 kCHF

- · 1 bid by Technical Officer
- Purchase Requisition (DAI)

Requests between 1 and 5 kCHF

- · 1 written bid by Technical Officer
- Purchase Requisition (DAI)
- · Validated by Procurement Officer

Requests between 5 and 10 kCHF

- Price enquiry by Technical Officer or Procurement Officer
- Minimum of 3 bids requested
- Purchase Requisition (DAI) made to the lowest compliant bidder

# **Range 10 – 200kCHF**

Requests between 10 and 50 kCHF

- · Technical specification provided by Technical Officer
- · Price enquiry made by Procurement Officer
- · 3 to 5 bids requested
- Purchase Requisition (DAI) made to the lowest compliant bidder

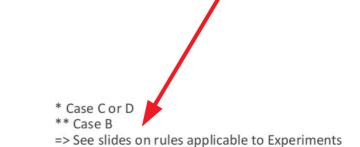
Requests between 50 and 200 kCHF

- Departmental Request
- · Price enquiry by Procurement Officer
- 3 to 5 bids requested
- Purchase Requisition (DAI) made to the lowest compliant bidder

#### Above 200kCHF

Requests above 200 kCHF

- Departmental Request
- Market Survey followed by Invitation to Tender
- Finance Committee approval:
  - Tendering with CERN participation >750kCHF\*
  - Single source with CERN participation >200kCHF\*
  - Contract amount >750kCHF or single source >200kCHF, without CERN money involved and without 'transfer of risks and liability' document\*\*



| CASE A                 | -CERN Procurement Rules do not apply.                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------|
| No CERN budget         | -Negotiations conducted by the institutes participating in the Collaboration.                          |
| Collaborations act     |                                                                                                        |
| independently          |                                                                                                        |
| CASE B                 | -CERN will sign the contract on behalf of the funding institute(s).                                    |
| No CERN budget         | -Funds shall have been transferred to CERN (alternatively: pledge letter).                             |
| (Collaboration Team    | -2 options:                                                                                            |
| code) but              | -Collaboration selects the firm and states that applicable laws have been complied with (proof         |
| CERN is required to be | of correctness document)* or;                                                                          |
| the contracting party  | -The Collaboration requests CERN to launch an Invitation to Tender:                                    |
|                        | => Firms established in CERN Member States + countries funding the Collaboration.                      |
|                        | => Negotiations conducted by CERN in cooperation with the Collaboration.                               |
|                        | => No Alignment (incl. in case of splitting).                                                          |
|                        | => CERN Procurement Rules and General Conditions of CERN Contracts apply.                              |
|                        | -Collaboration can request that the contract is awarded only under the condition that 50% of the       |
|                        | tender value originates from the country(ies) providing the funds.                                     |
|                        | -FC approval required, except if contractual <u>risks and liability</u> are transferred to the funding |
|                        | institute(s)                                                                                           |
|                        |                                                                                                        |
|                        | *in this case, CERN would anyway need the bid to comply with CERN's terms and conditions.              |
|                        |                                                                                                        |

# Possible cases for Experiments

| CASE C               | -CERN is the contracting party.                                        |
|----------------------|------------------------------------------------------------------------|
| 100% CERN Budget     | -General Conditions of CERN Contracts and CERN Procurement Rules       |
| (CERN budget code)   | apply.                                                                 |
| CASE D               | -CERN will sign the contract on behalf of the Collaboration.           |
| Funded by "Common    | -Negotiations conducted by CERN in cooperation with the Collaboration. |
| fund" established by | -Firms originating from all countries of the Common Fund.              |
| the Collaboration    | -No Alignment (incl. in case of splitting).                            |
| (and to which CERN   | -CERN Procurement Rules and General Conditions of CERN Contracts       |
| makes a              | apply.                                                                 |
| contribution)        | -CERN Finance Committee approval required if:                          |
| (Common Fund Team    | <ul> <li>Tendering with CERN participation &gt;750kCHF or</li> </ul>   |
| code)                | <ul> <li>Single source with CERN participation &gt;200kCHF.</li> </ul> |
|                      |                                                                        |

## Intellectual property: GCC

**CERN** discloses IP to contractor

License for contractor to use CERN IP, without warranty by CERN

License for CERN to use contractor IP for the use of supplies/services, with warranty by contractor

IP freshly generated belongs to CERN

# Intellectual Property: reasonable modifications possible

**CERN** 

contractor

No disclosure of IP

Disclosure of IP

Provides warranty

Provides no warranty

Owns generated IP

Owns generated IP