

ACCELERATION  
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CERN's heritage object collection

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10<sup>th</sup> May 2019

# goals

**Identify and preserve objects of historic importance to CERN in a Heritage Object Collection.**

**Enable the loan of pieces from the collection to museums and other bodies presenting CERN's work to the public, in line with CERN's communication objectives.**

# Part 1: context

Collection exists in CDS since 2002

Today there are 319 objects      5 categories : AC, DE, IT, (IM, CE)

Loans: London, Milan, Glasgow, Wigner, Aarhus, Stockholm, Bangkok, Barcelona,...

Main challenges:    storage, removals (damage + loss), time  
& retaining the most important objects



# Heritage Collection for Loan to Museums and Science Centres

sub-collection of 36  
high quality & better  
documented objects

Search 36 records for:

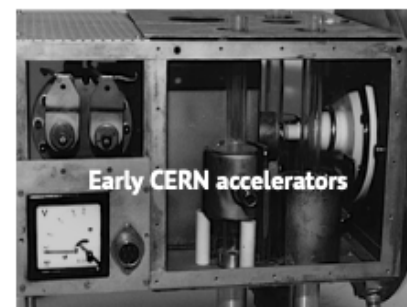
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At CERN, physicists and engineers are exploring the fundamental laws of the universe using some of the world's largest and most complex scientific instruments. This object collection unites pieces from over 60 years of CERN's history. You can find prototypes of new technologies and also pieces of actual equipment that served in CERN's particle accelerators and detectors. The collection is available for loan to museums and other institutes producing temporary exhibitions about CERN. For loan requests, please contact [expo.microcosm@cern.ch](mailto:expo.microcosm@cern.ch)



## Latest additions:

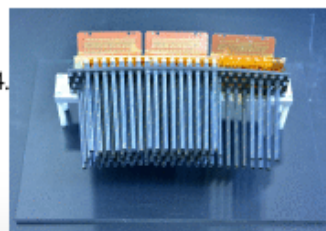
2017-12-22

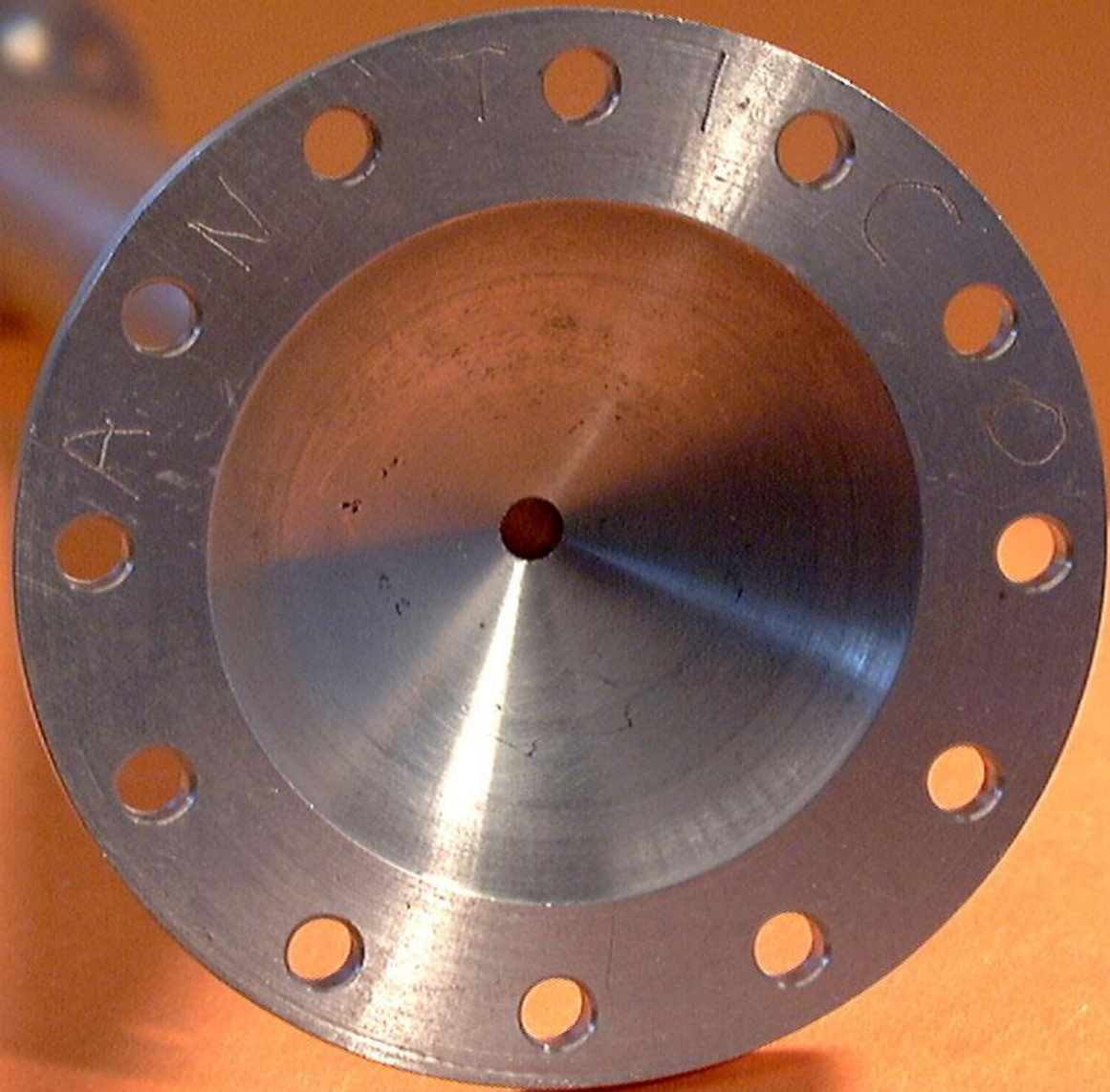
15:29

Category Detectors and experimental techniques - CERN-OBJ-DE-094.

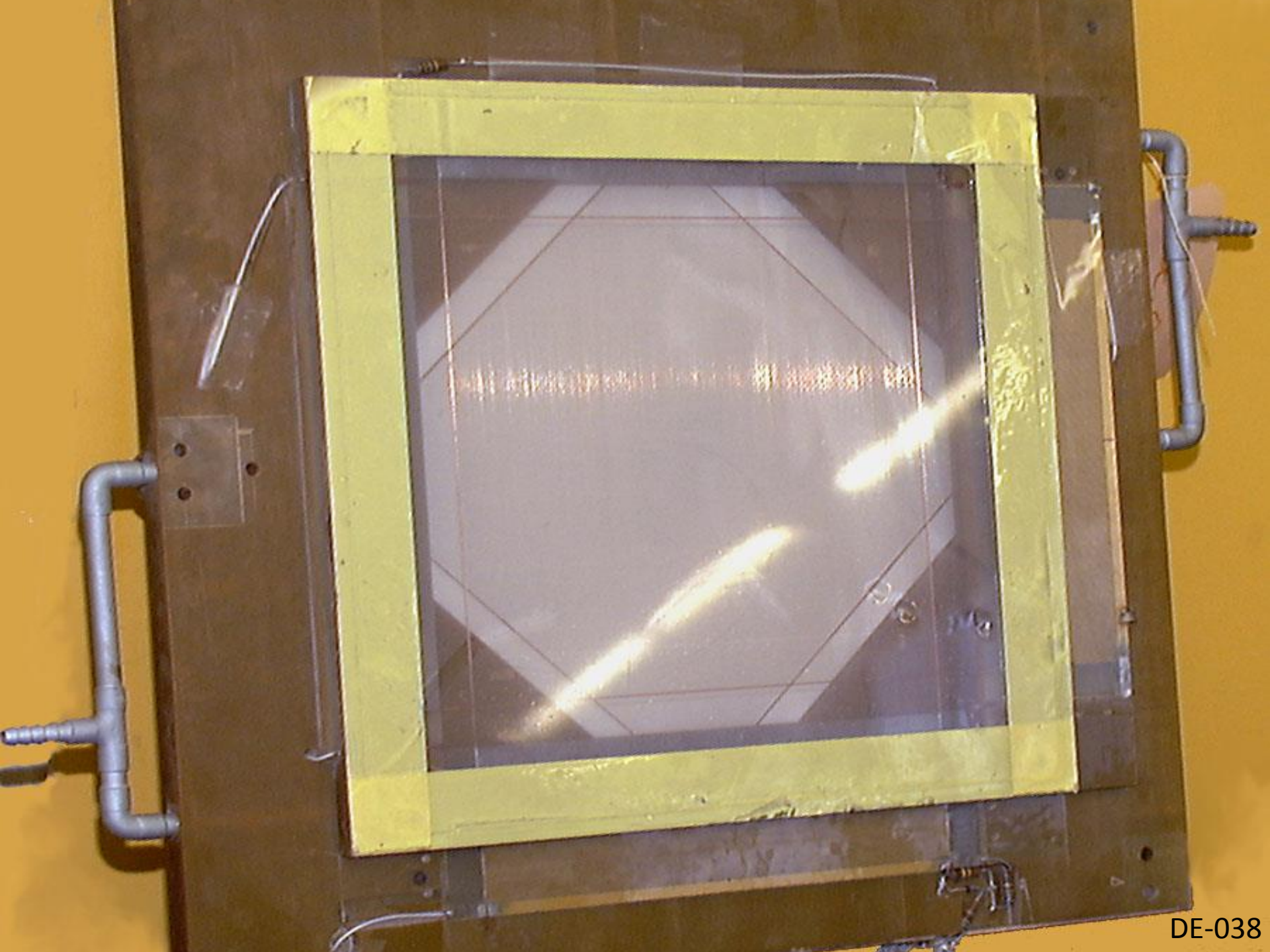
**ATLAS Transition Radiation Tracker - large piece**

Building 282

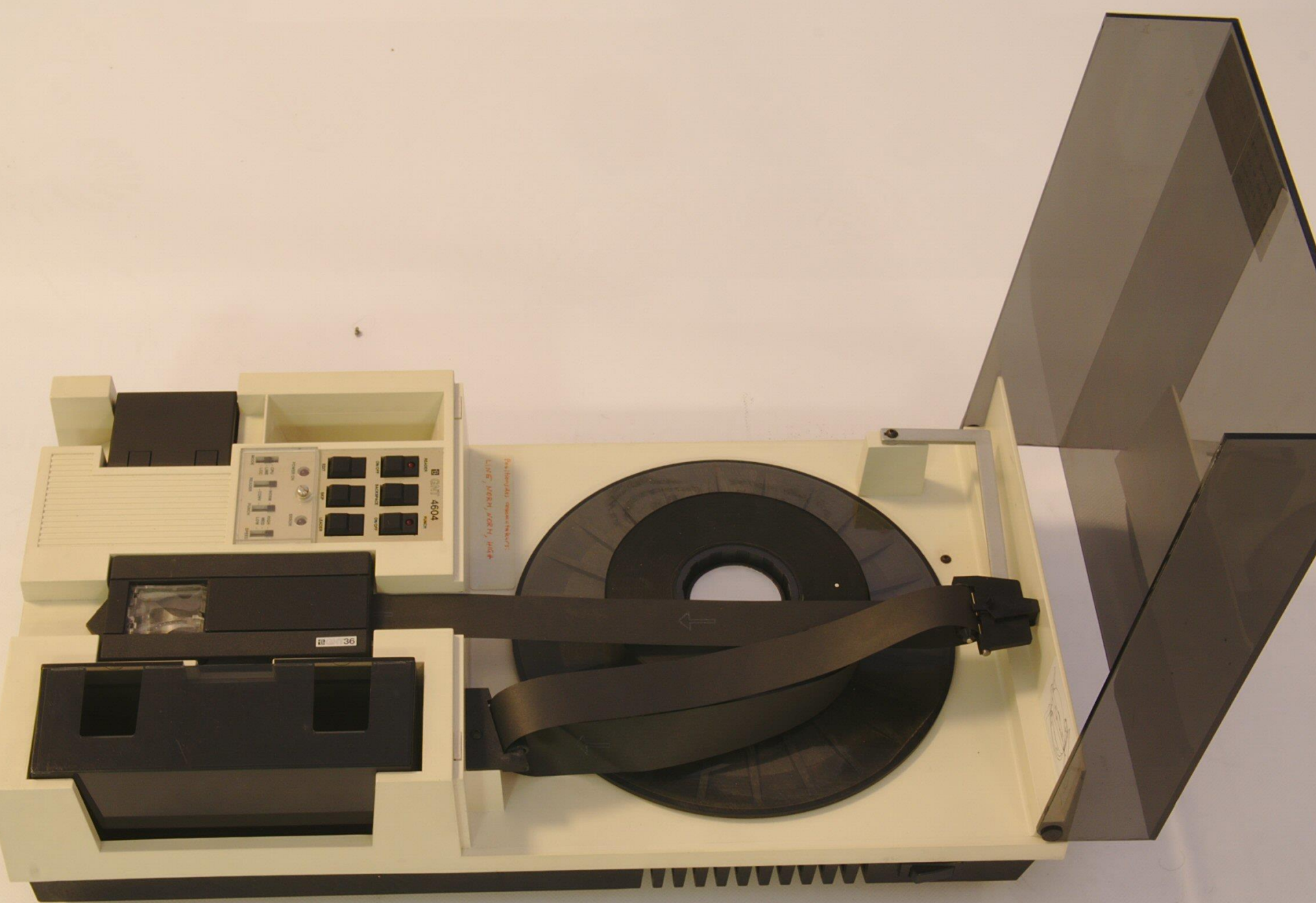




AC-031



DE-038



IT-003



IM-015



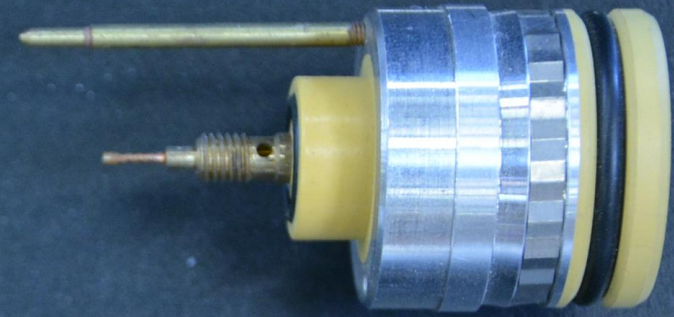
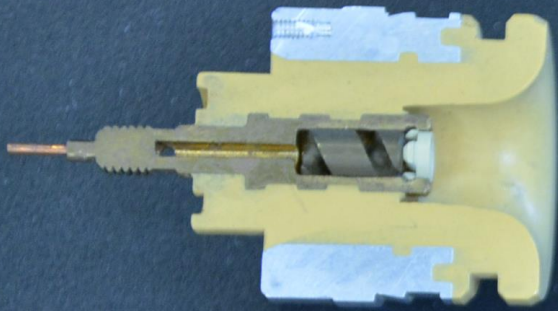


CE-004

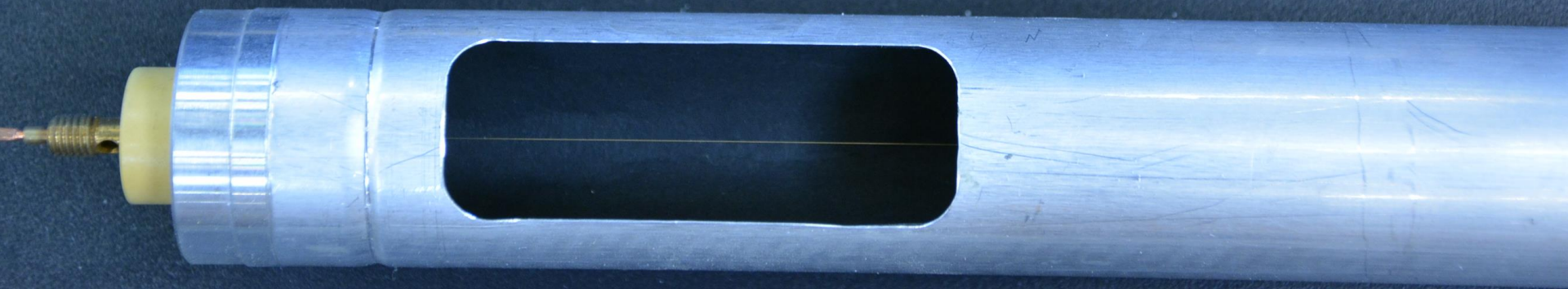
# Guiding principles for all loans

- The standard loan period should not exceed 2 years (renewable). A longer period can be considered for objects of lower importance or countries of strategic importance to CERN;
- The cost of transport and insurance shall be born by the loaning body;
- CERN's visibility should be ensured for the duration of the loan period, indeed the loaning body shall make their best effort to expose the object to the public for the entire duration of loan.





Part 2: To discuss today



# Criteria for inclusion

**The object is of heritage interest with a specific link to CERN physics.**

**Priority given to real pieces that have been used, not models or artistic compositions.**

In the case of IT, the object has been developed by CERN or is linked to a computing challenge associated with a CERN physics milestone.

In the case of CE & IM, the object can be used to recreate realistic environments around key pieces in categories AC or DE. The object is small.

In border-line cases, size, visual interest, available storage space and the availability of a CERN 'sponsor' to help place the object in museums should be taken into account.

Complex cases brought to this committee for decision

[Examples – wire chamber, blackboard]



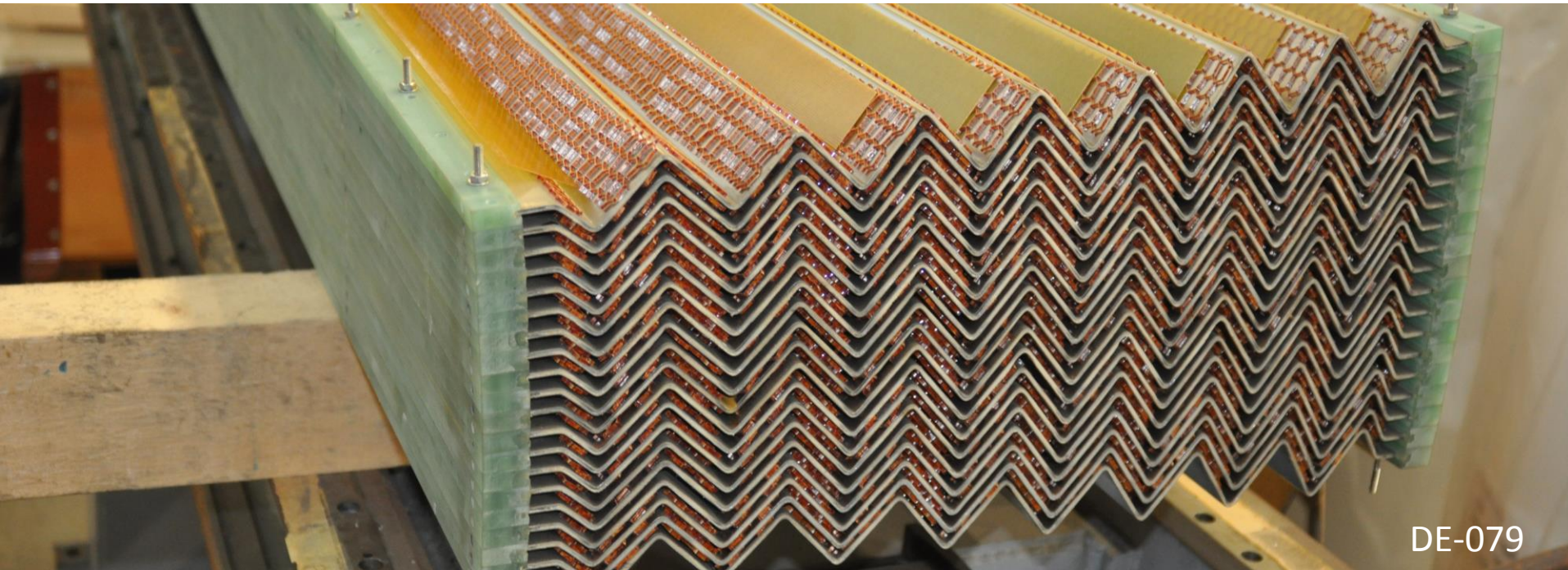
# LS2 & the LHC experiments

Many pieces are coming out of the experiments now

Important for CERN & experiments to retain a representative collection of the best and most meaningful pieces, preserving them and making them available for loan.

Being in the collection does not have to mean CERN ownership [EXAMPLE LHCb velo]

**-> write to experiment management with explanation of CERN's approach?**



# Criteria for loan approval

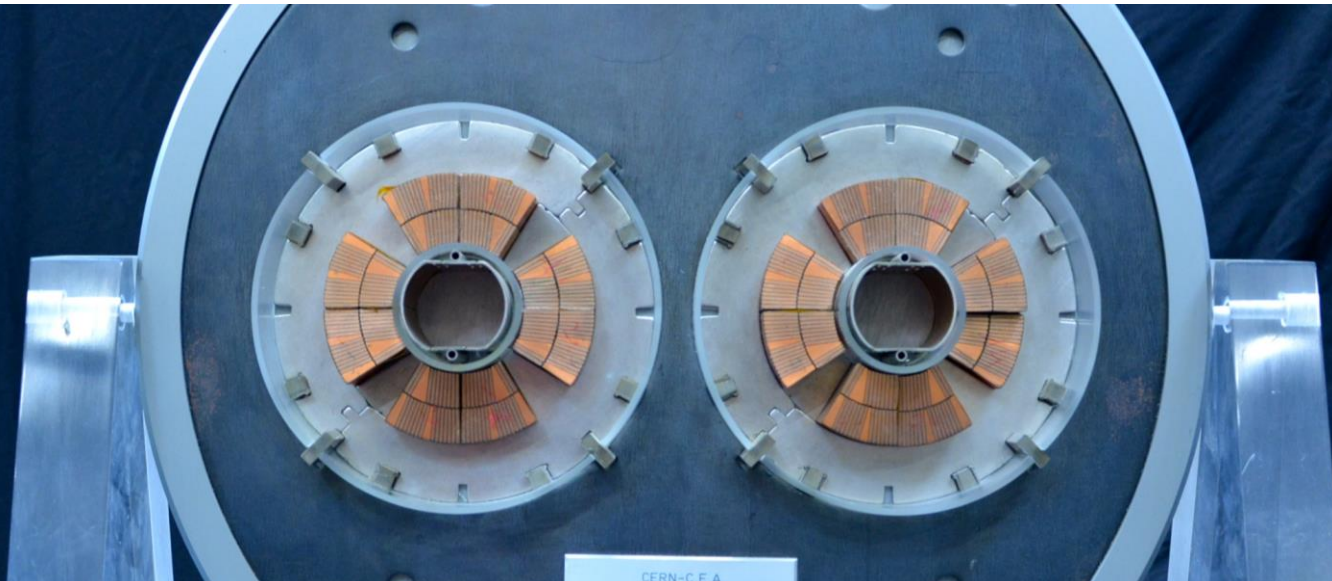
Base on impact for CERN, safeguard of the objects and also priorities for IR

Ensure balance across MS

Standard loan agreement signed

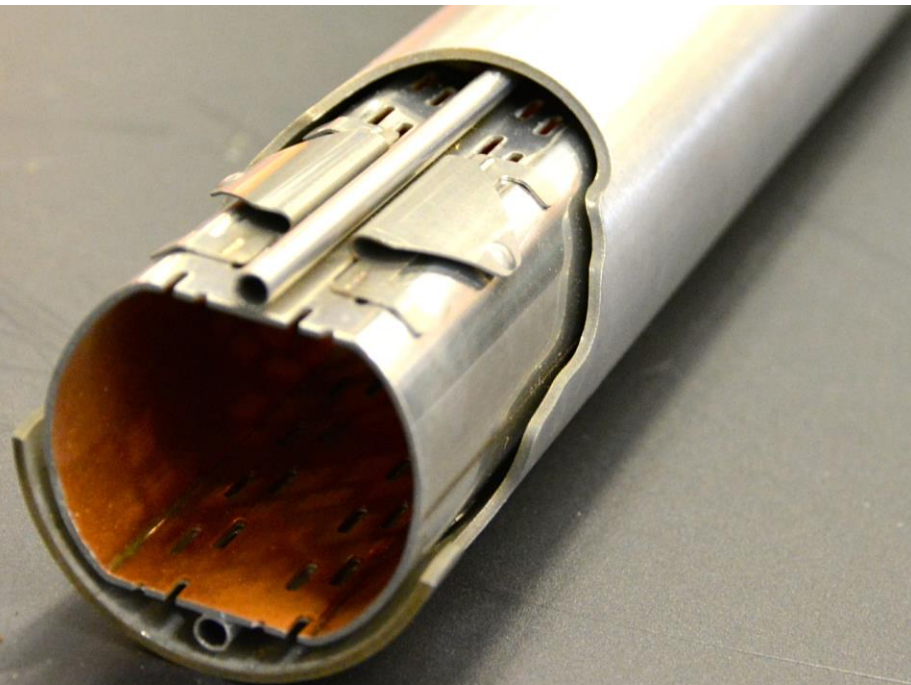
Bring to this committee for decision?

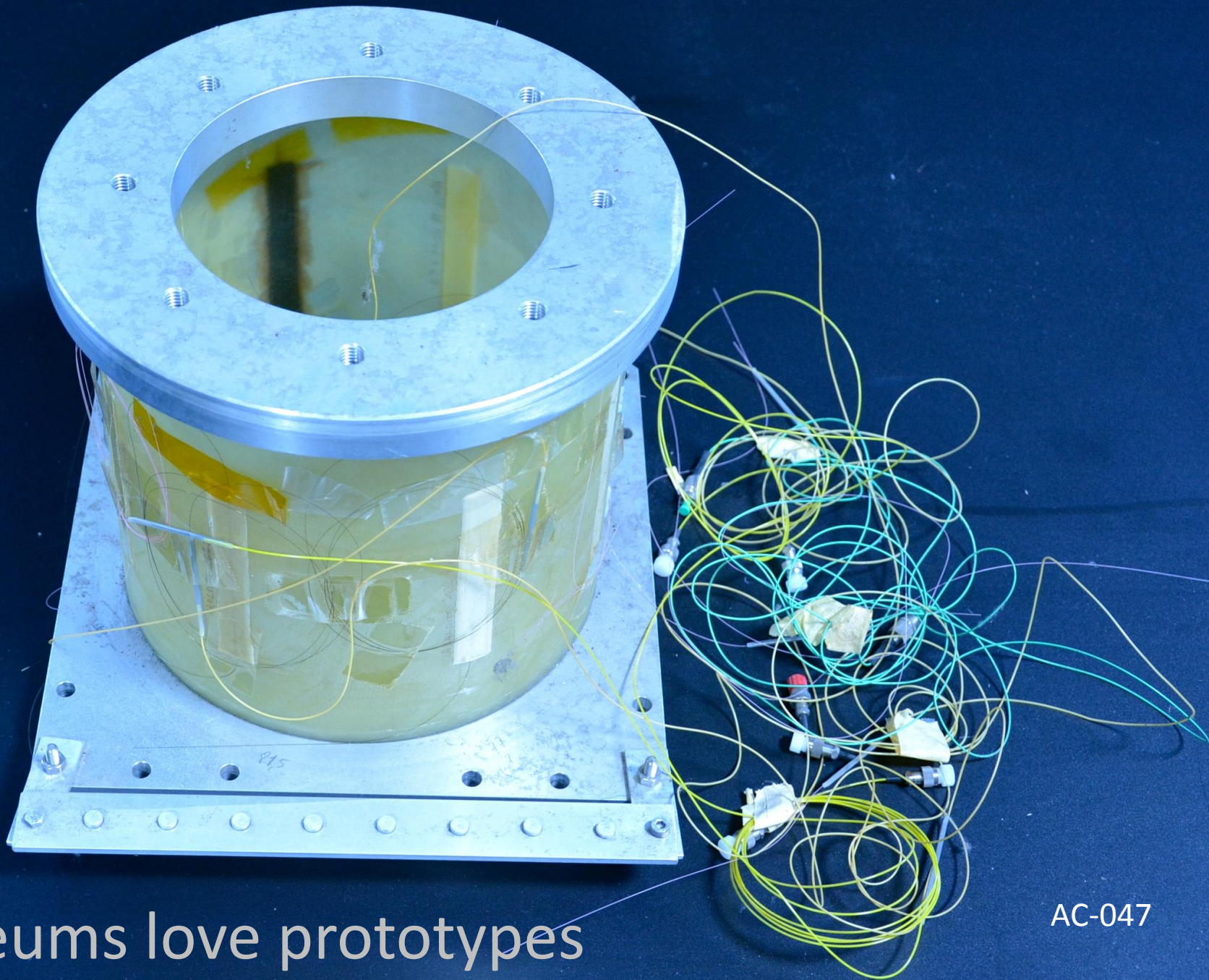
[EXAMPLE – rock sample]



# For future work / discussion

- Streamlining of loan administration via CDS?
- Donation of objects (and their future sale by 3<sup>rd</sup> parties)
- Improving documentation, particularly of the most important pieces
- Improving communication (both internal and external)
- Inclusion in CERN's admin e-guide for donation of equipment
- Reduction of categories CE and IM
- Decision on relation of Heritage Collection with IT database





museums love prototypes

AC-047