



# I SIGNORI DEL SILICIO

IL CERCHIO DEI RICORDI

# AVREMMO POTUTO...

PHYSICAL REVIEW C

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## Isomeric transitions in $^{98}\text{Tc}$

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(Received 13 December 1977)

A search for short-life isomers in  $^{98}\text{Tc}$  has been made with the reaction  $^{98}\text{Mo}(p, n)^{98}\text{Tc}$  and a pulsed proton beam. Three new isomeric transitions have been identified in addition to the known one of 14.6 ns half-life. The mean lives measured for the three  $\gamma$  rays of 47.8, 57.0, and 65.2 keV come out to be  $\tau_m = (11.6 \pm 0.3)$ ,  $(11.6 \pm 0.9)$ , and  $(11.4 \pm 2.8)$  ns, respectively. These transitions have been attributed to the decay of the 138.6 keV level. Two new levels at 73.4 keV and at 90.8 keV have been identified and are suggested as possible candidates for the 14.6  $\mu\text{s}$  isomer. An upper limit ( $\tau_m < 2$  ns) has also been obtained for the mean life of the levels at 65.4, 81.6, 152.0, 190.3, and 203.9 keV.



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ELECTRONIC MEASUREMENT OF THE LIFETIME OF  $D^{\pm}$  MESONS

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M. De VINCENZI<sup>d</sup>, F.L. FABBRI<sup>a</sup>, F. FIDECARO<sup>c</sup>, L. FOÀ<sup>c</sup>, **F. FOCARDI<sup>c</sup>**, A. GIAZOTTO<sup>c</sup>,  
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P.S. MARROCCHESI<sup>c</sup>, A. MENZIONE<sup>c</sup>, E. MERONI<sup>b</sup>, L. MORONI<sup>b</sup>, C. PALAZZI CERRINA<sup>b</sup>,  
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L. RISTORI<sup>c</sup>, G. RIVELLINI<sup>a</sup>, L. ROLANDI<sup>f</sup>, S. SALA<sup>b</sup>, L. SATTA<sup>a</sup>, A. SCRIBANO<sup>c</sup>, M. SEVERI<sup>d</sup>,  
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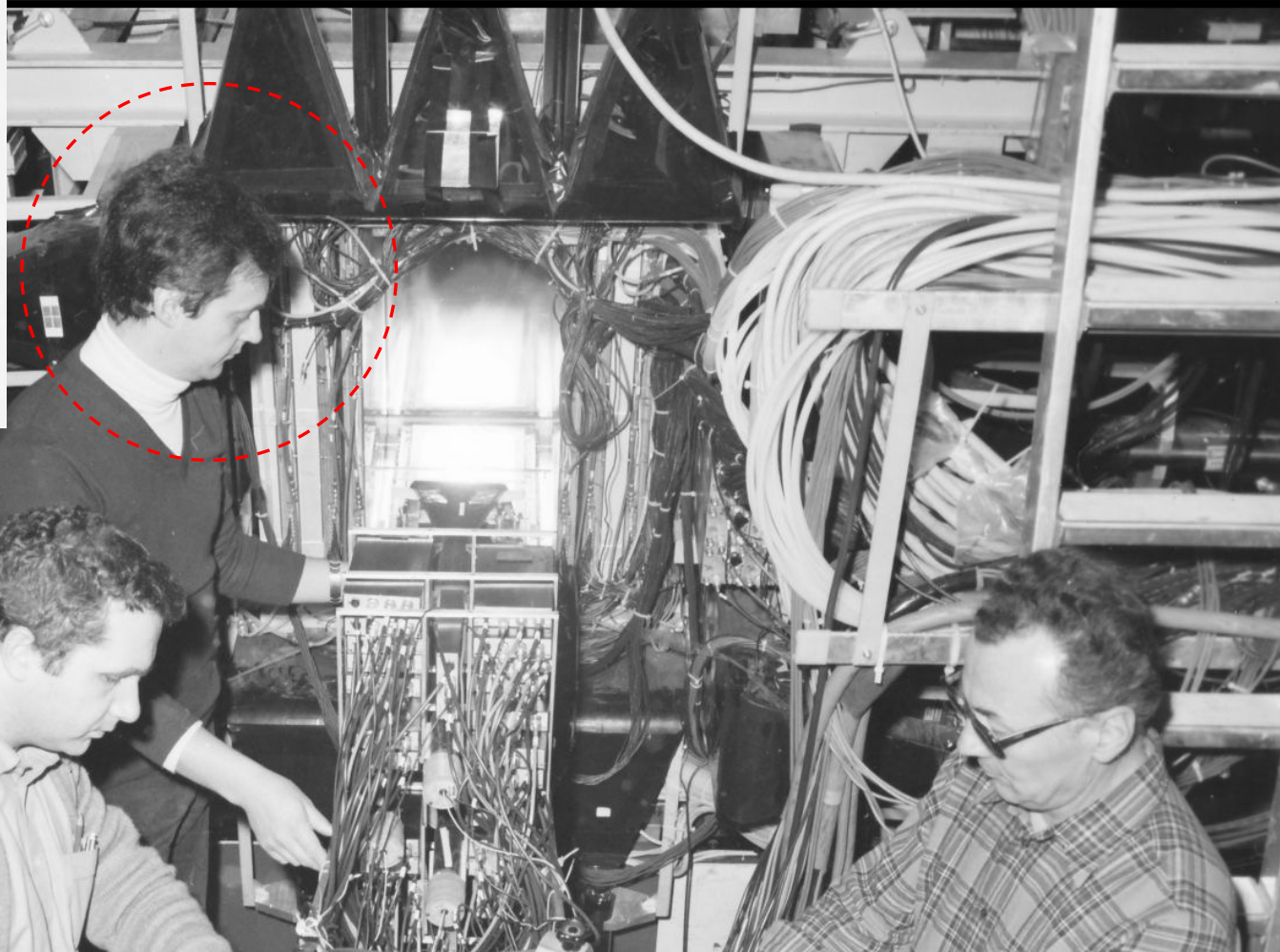
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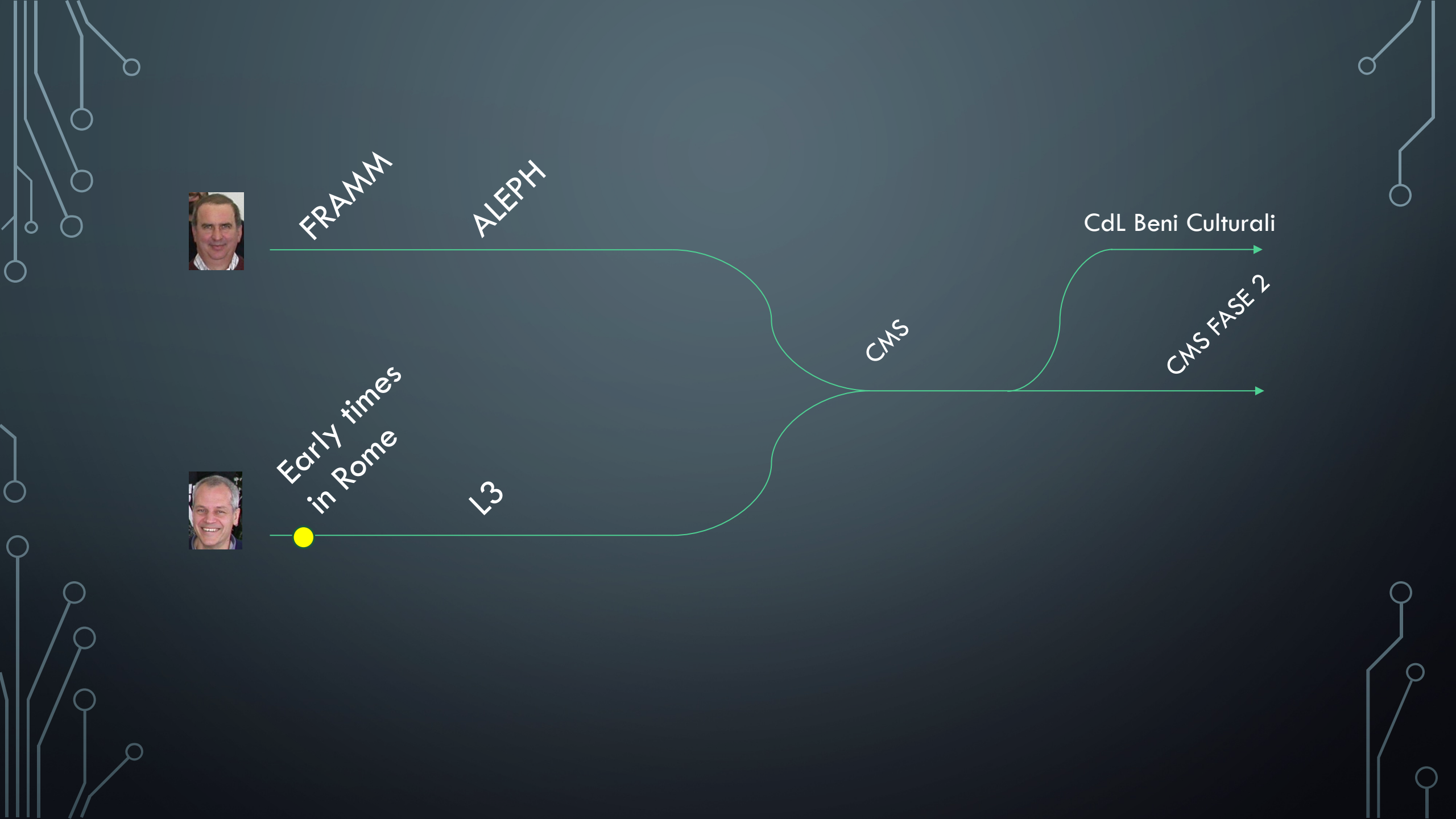


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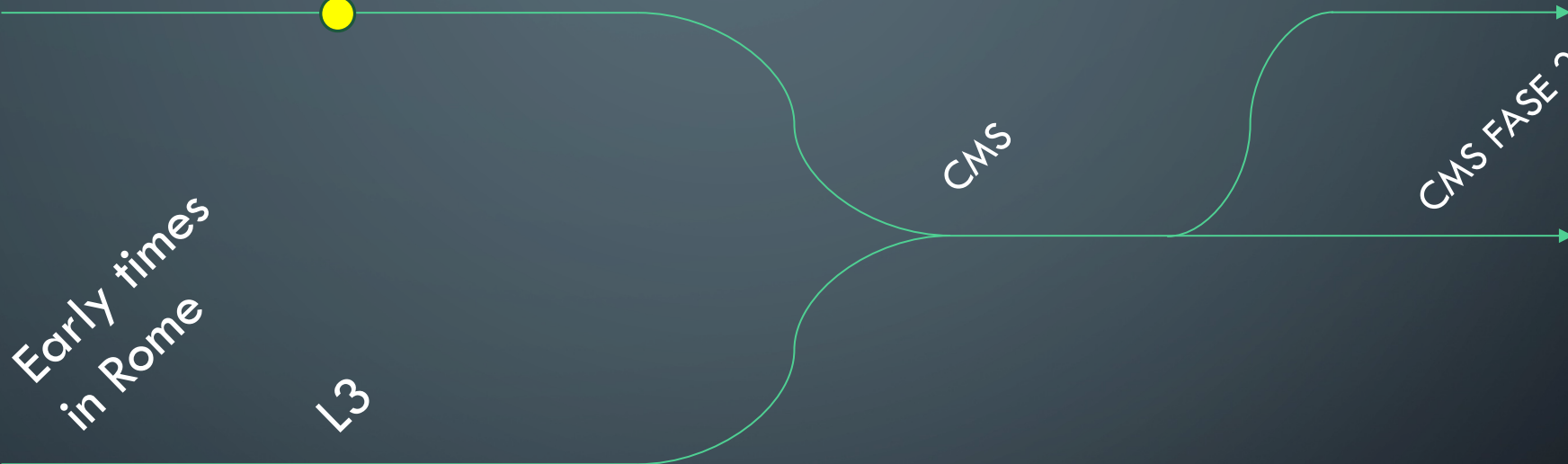
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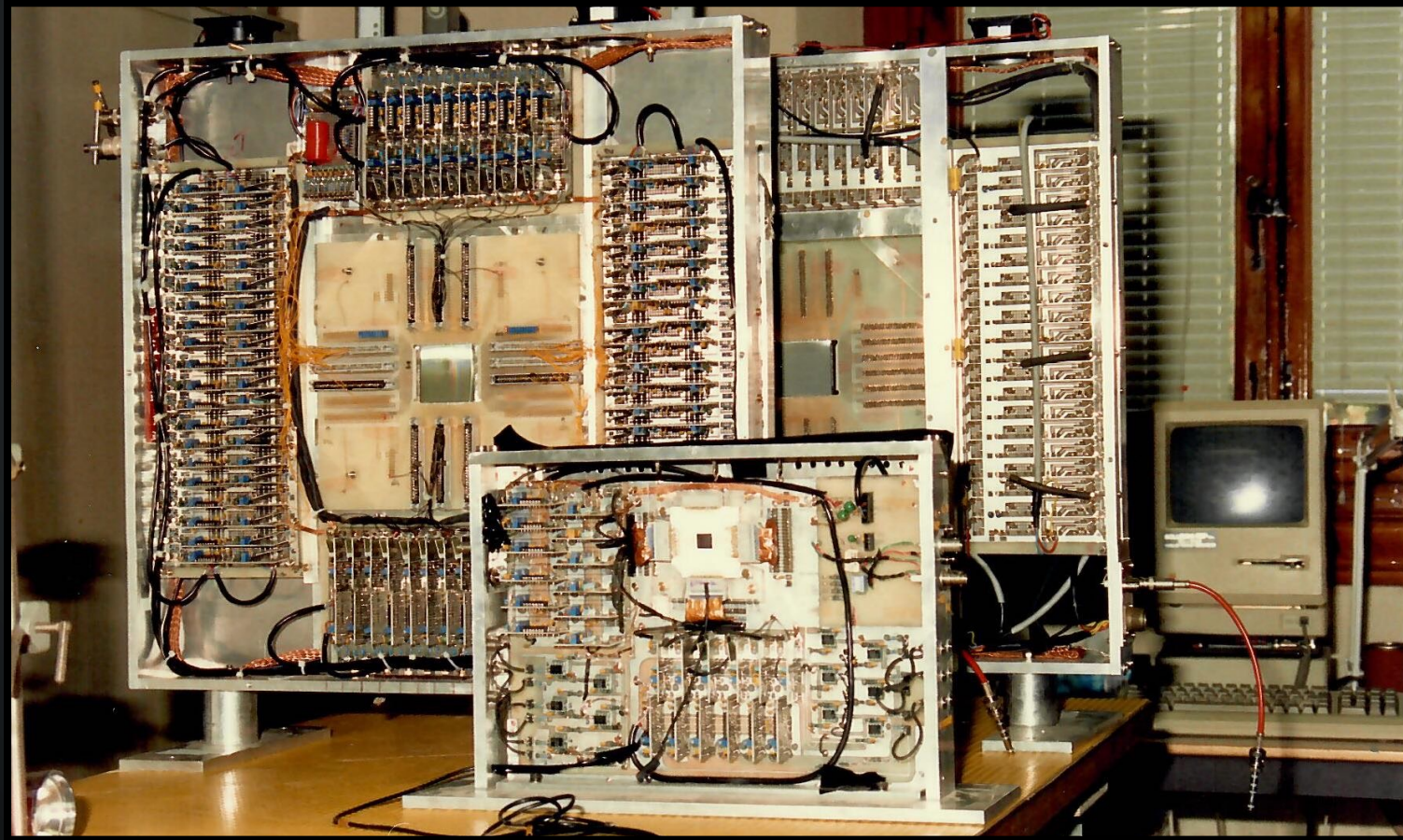
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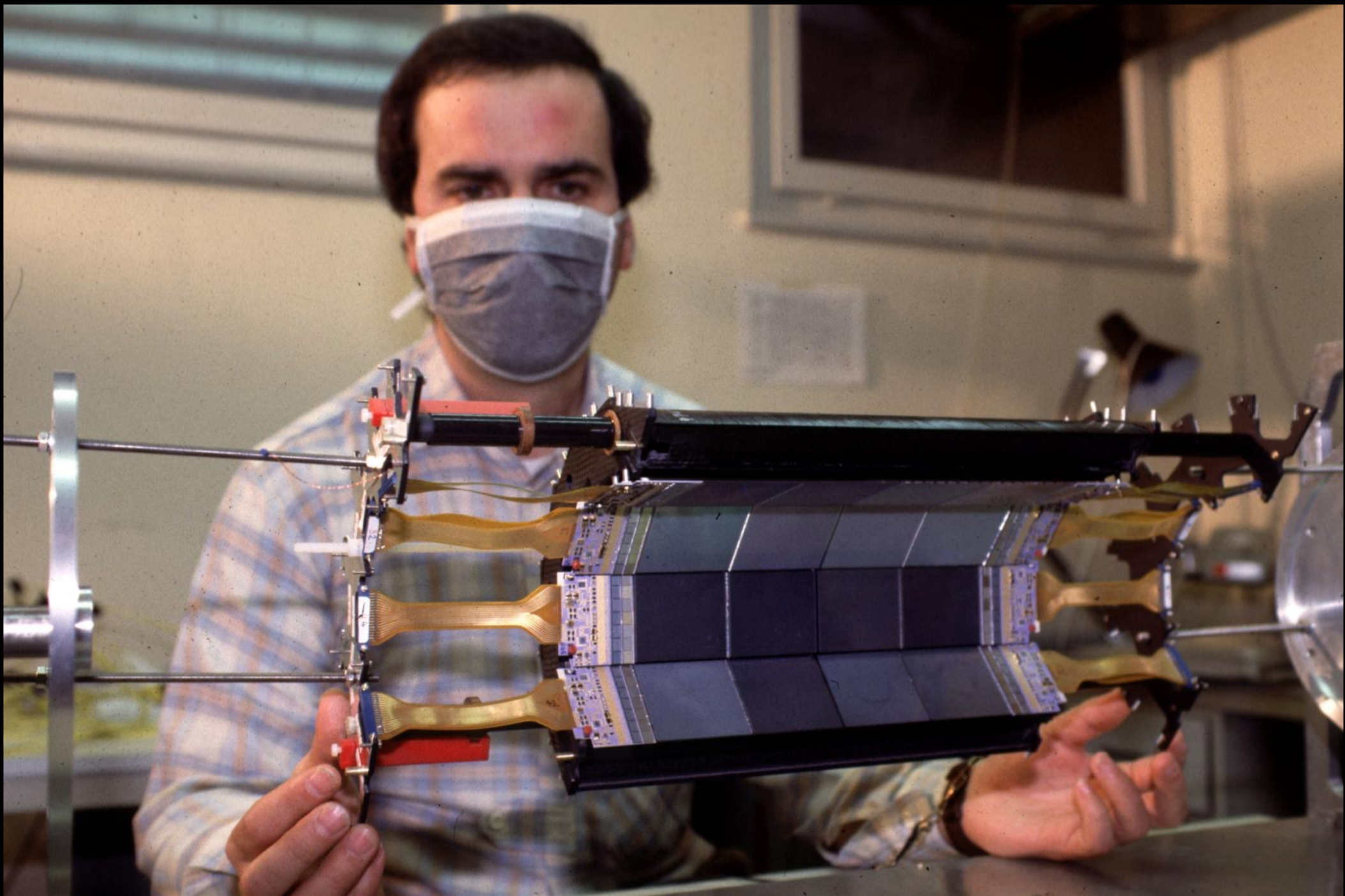
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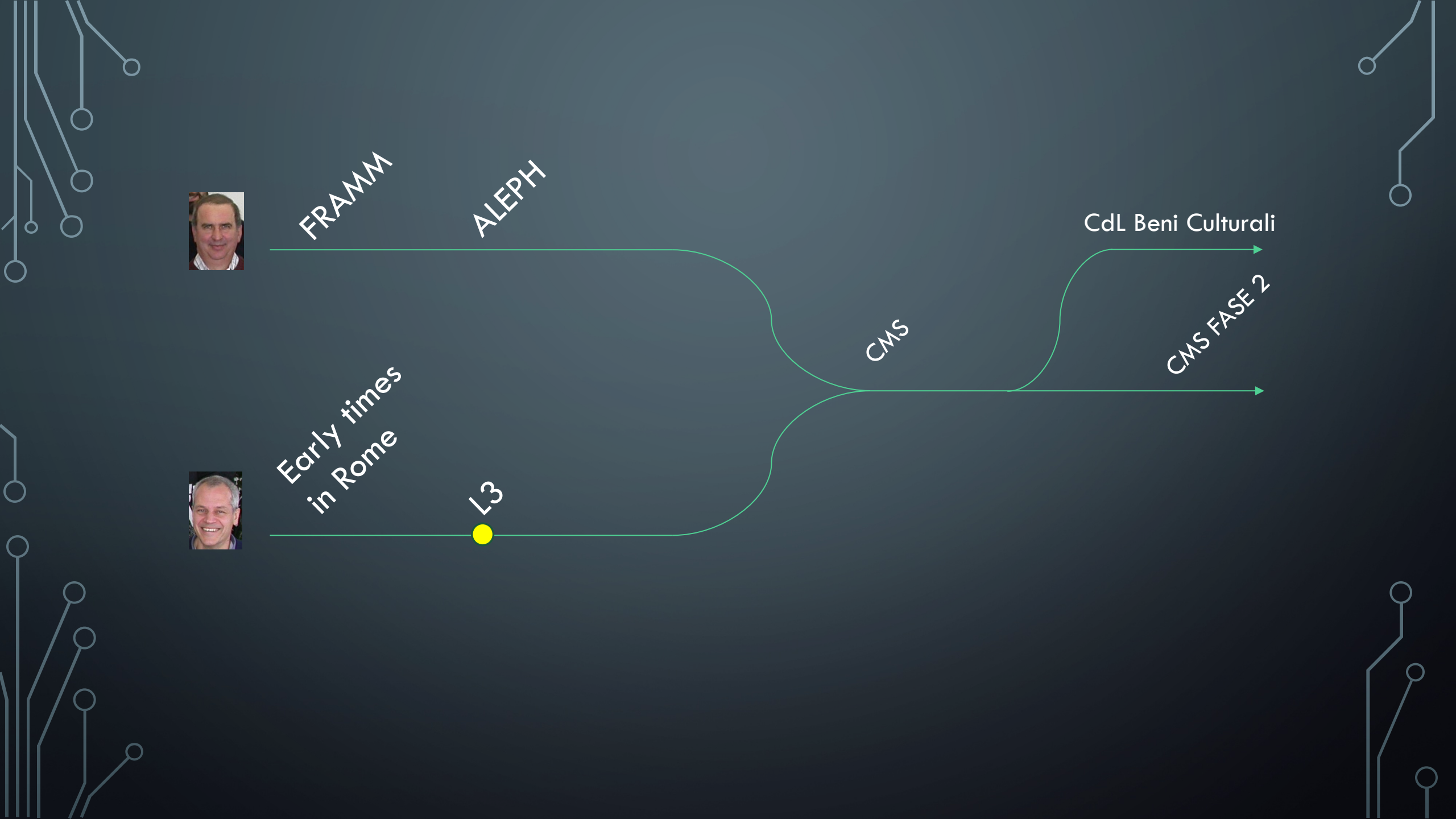


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# The Muon Filter of the L3 detector

O. Adriani, M. Bocciolini, A.M. Cartacci, C. Civinini, R. D'Alessandro, E. Gallo, G. Landi, A. Marchionni, M. Meschini, B. Monteleoni, M. Pieri, P. Spillantini and Y.F. Wang

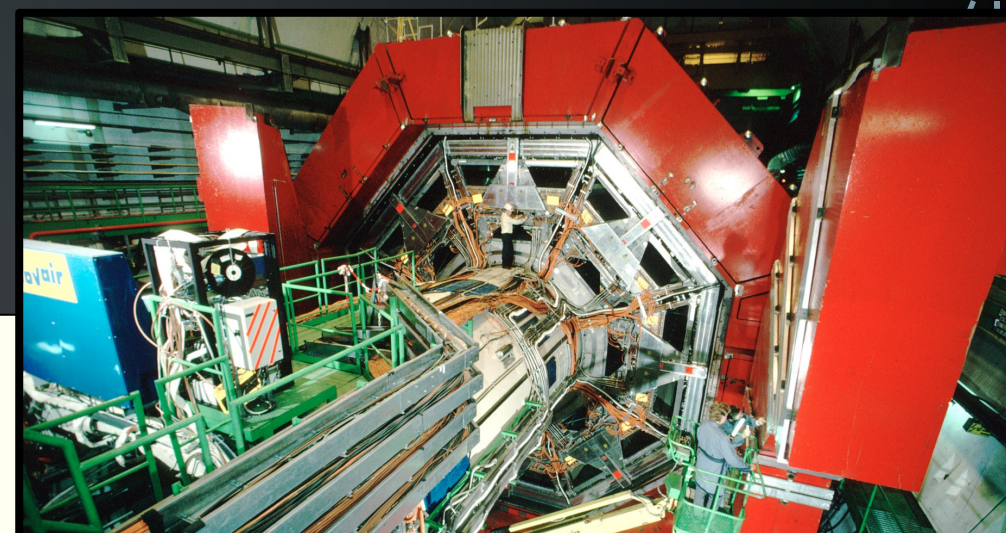
Istituto Nazionale di Fisica Nucleare Sezione di Firenze and Dipartimento di Fisica dell' Università, Firenze, Italy

Received 28 December 1989 and in revised form 12 September 1990

## Theses Florence

### Ph. D Thesis :

- **C. CIVININI** (Feb. 1992) "Ricerca del Bosone di Higgs nel Modello Standard Minimale all' Esperimento L3."
- **R. D'ALESSANDRO** (Feb. 1992) "Determinazione del Numero di Famiglie di Neutrini Leggeri mediante la Misura della Sezione d'Urto di  $F$
- **Y.F. WANG** (Feb. 1992) "Ricerca di Leptoni Eccitati con il Rivelatore L3 al LEP."
- **E. GALLO** (Feb. 1993) "Studi di QCD con l' Esperimento L3 a LEP."
- **O. ADRIANI** (Feb. 1994) "Misura della Polarizzazione del Leptone Tau con l' Esperimento L3 a LEP."
- **M. LENTI** (Feb. 1995) "Rivelazione di  $\Lambda_{b}$  in L3 a LEP."
- **G. PASSALEVA** (Feb. 1995) "Misura della Sezione d'Urto a dell' Asimmetria avanti-indietro per il Processo  $e^+ e^- \rightarrow \tau^+ \tau^-$  al Polo della  $Z^0$
- **F. BECATTINI** (Feb. 1996) "Studio della Produzione Inclusiva di Adroni nelle Collisioni  $e^+ e^-$  a LEP."



### L'ESPERIMENTO L3 A LEP:

### CALIBRAZIONE DEL MUON FILTER

### E RICERCA DEL BOSONE DI HIGGS.

TESI DI LAUREA IN FISICA DI

GIOVANNI PASSALEVA

Relatore: Dott. M. Meschini

Correlatore: Prof. A.M. Cartacci

Controrelatore: Prof. P. Sona

Firenze, 18 dicembre 1990

*Mario Meschini*

*A.M. Cartacci*

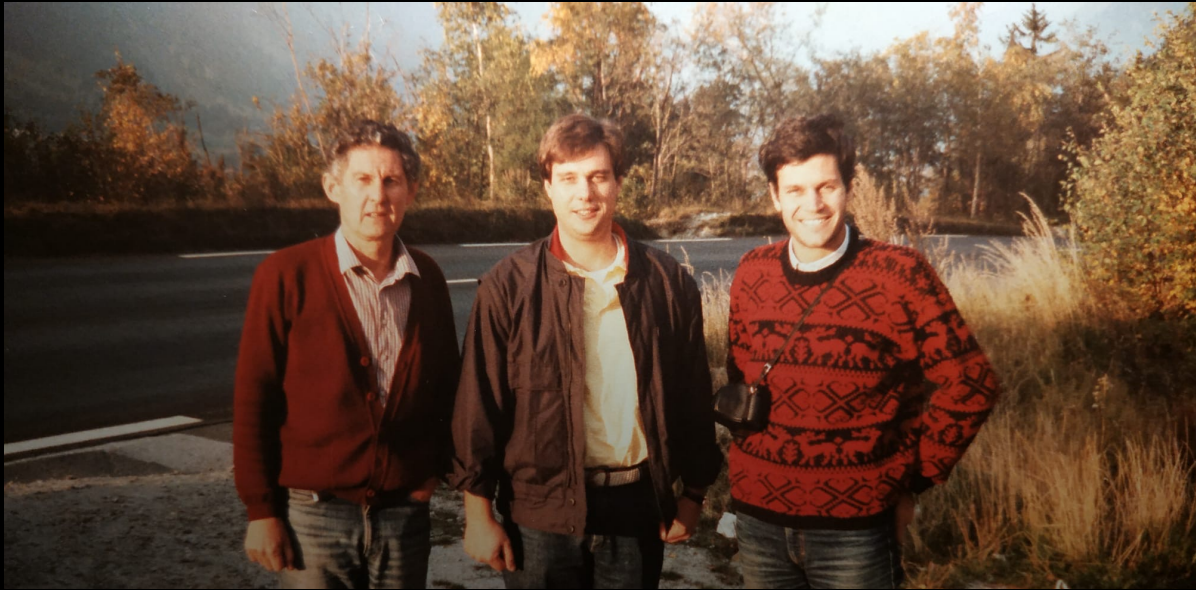
*Piero Sona*

Anno Accademico 1989/90



7 DIC. 1990







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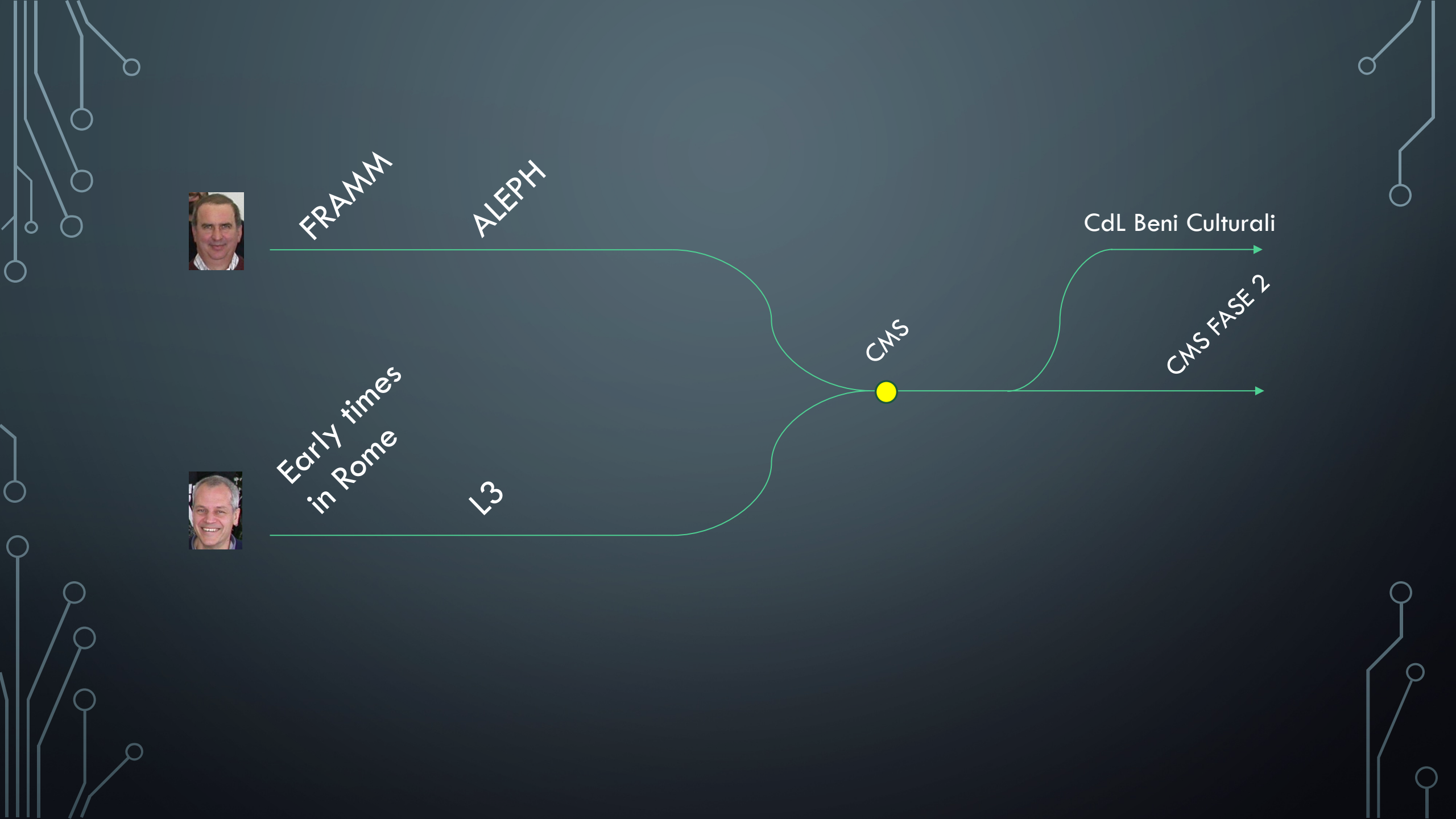
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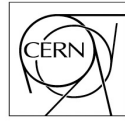




The Compact Muon Solenoid Experiment

# CMS Note

Mailing address: CMS CERN, CH-1211 GENEVA 23, Switzerland



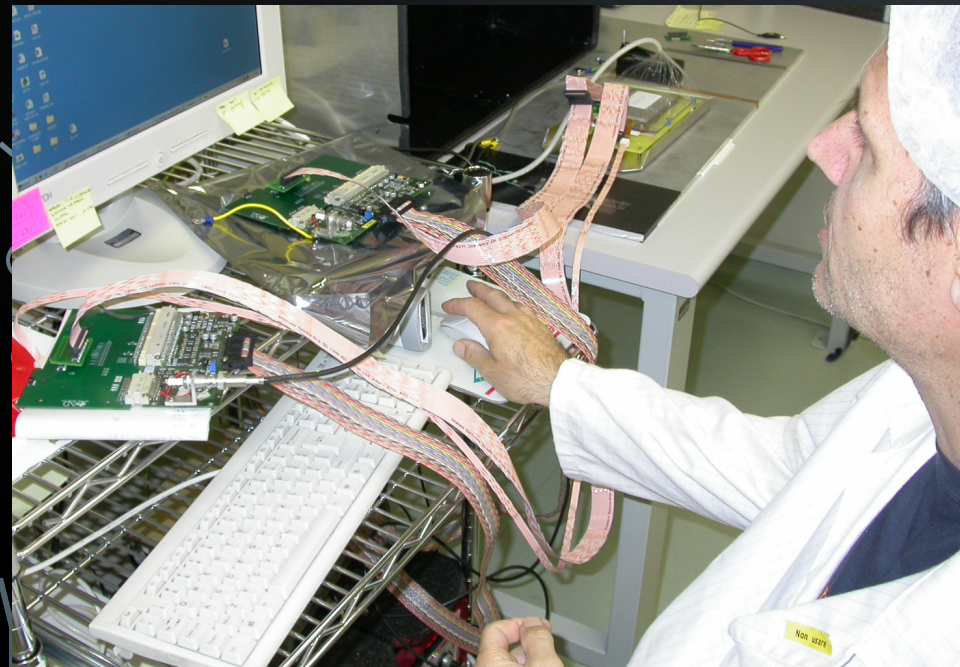
## Sensor design for the CMS Silicon Strip Tracker

L. Borrello, A. Messineo

*Università degli Studi di Pisa and INFN Pisa*

E. Focardi, A. Macchiolo

*Università degli Studi di Firenze and INFN Firenze*







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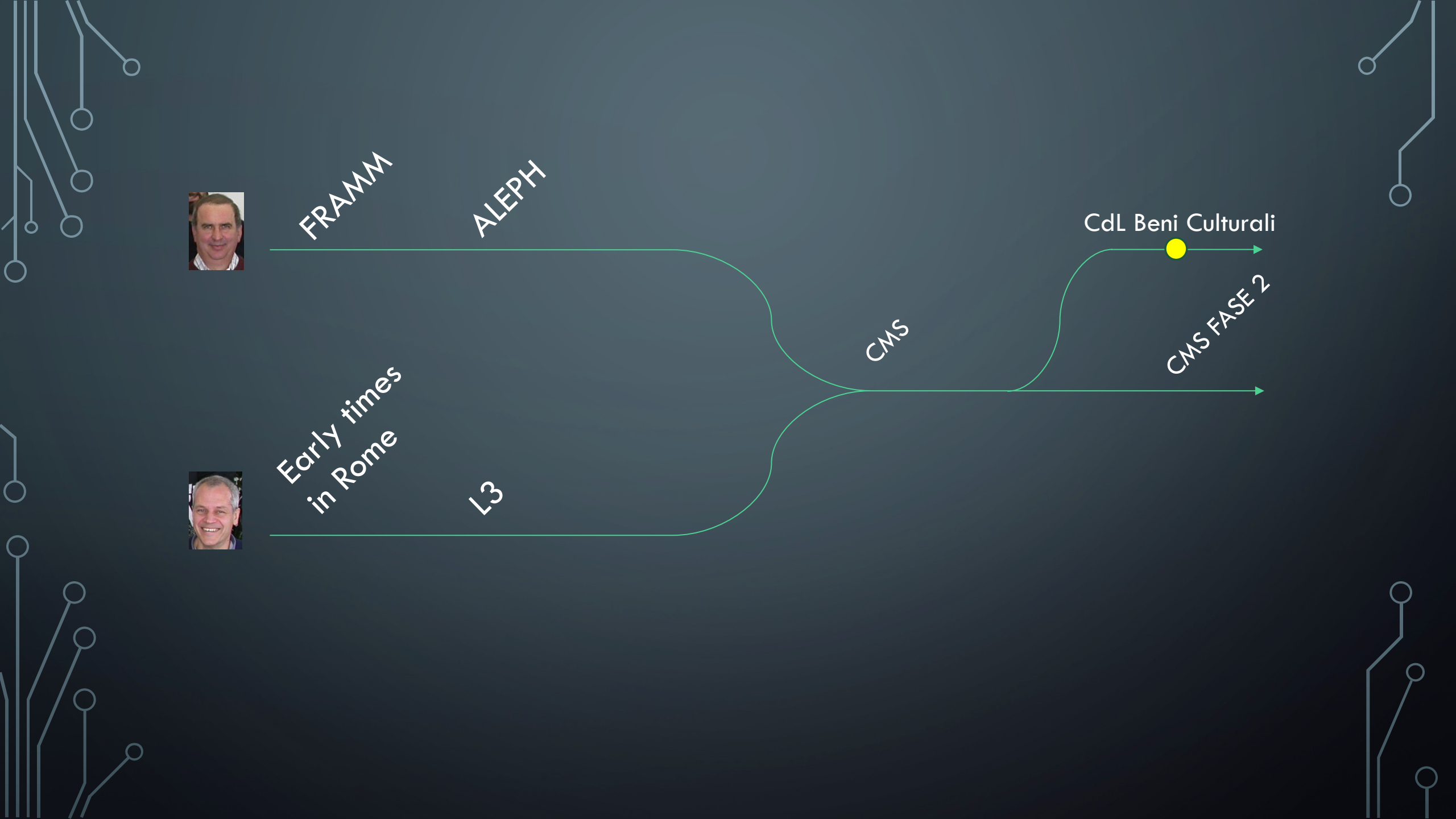
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CdL triennale di diagnostica e materiali per la conservazione e il restauro  
CdL magistrale di scienze e materiali per la conservazione e il restauro



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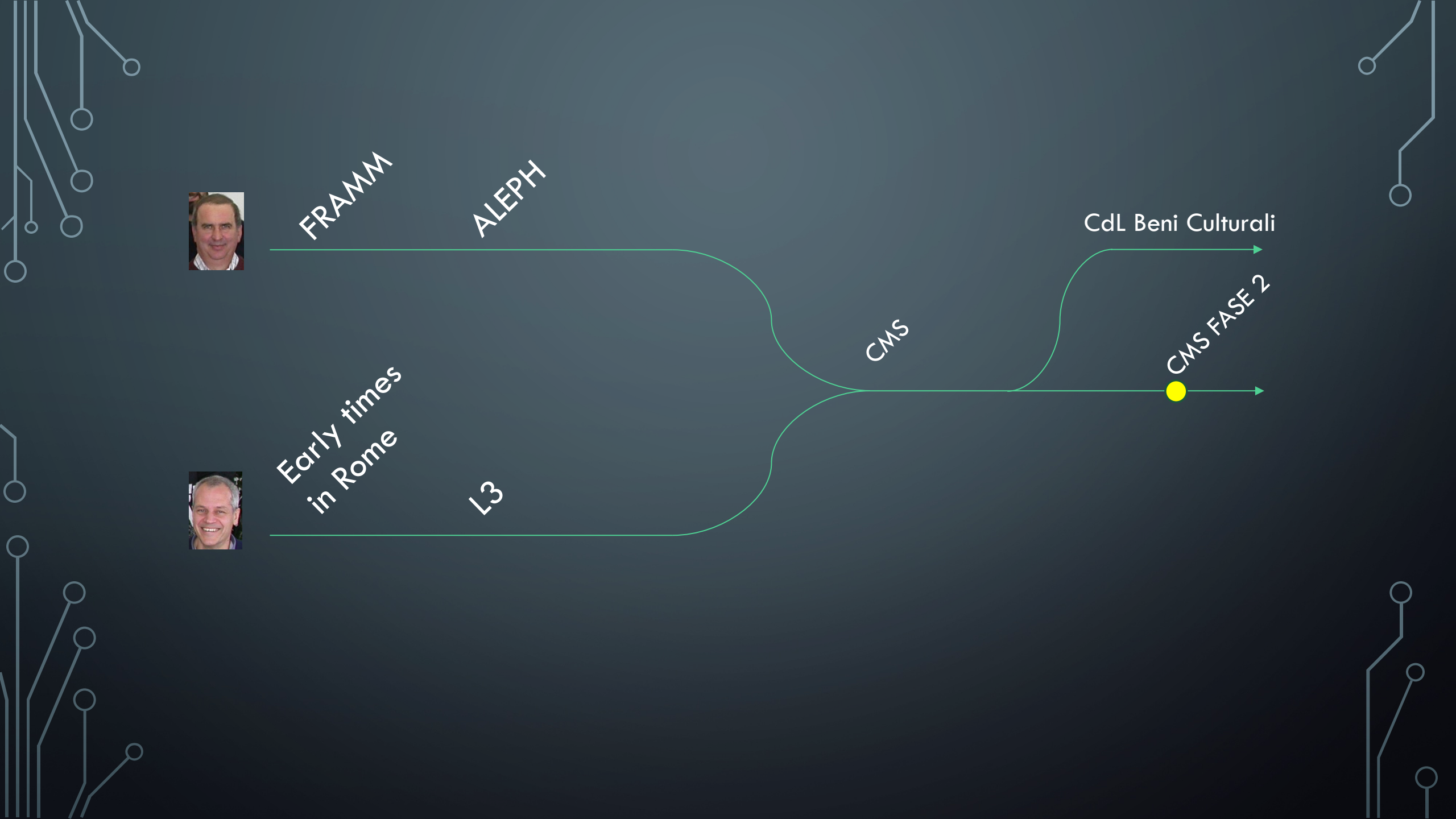
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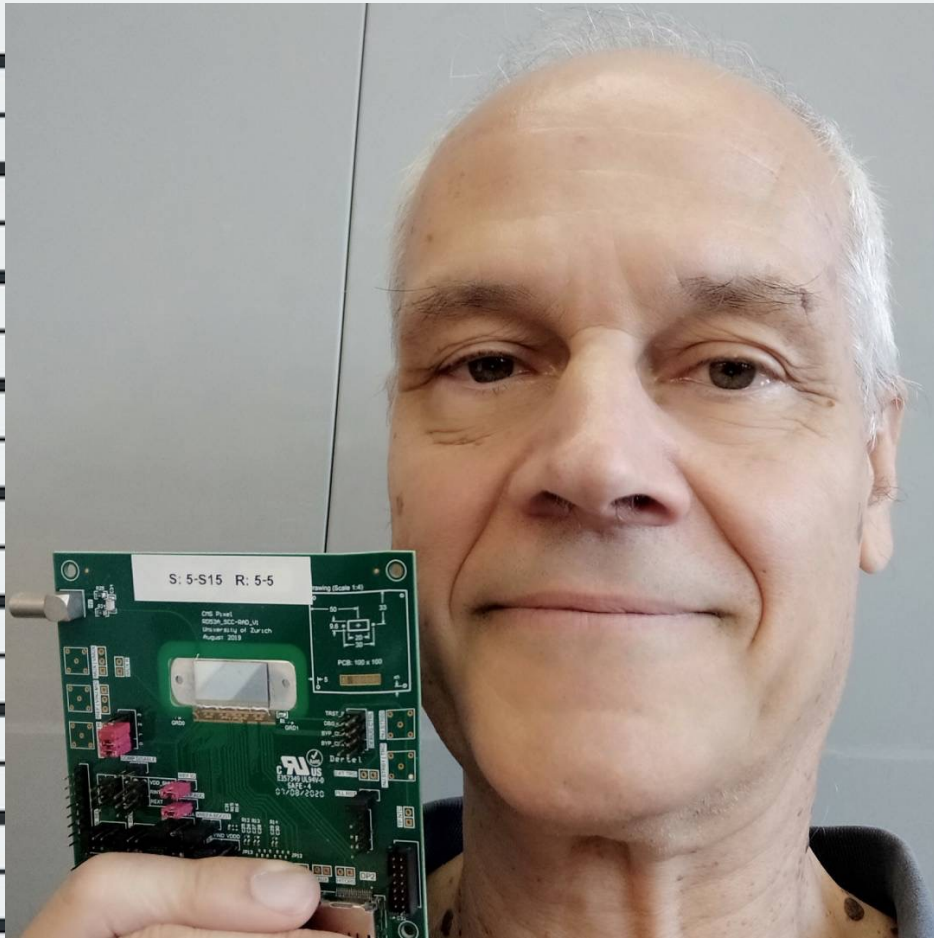
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4'6"

**EP DEPARTMENT**  
**Marco Meschini**  
**PIXEL DETECTOR**  
**#S: 5-S15 R: 5-5**

