

SF ...

Their Role in the Trigger

Present Design

supports :

μ L1 Trigger

data transfer to L3

New Design

will support:

- Above +
- CFT L1 Trigger (CFTTM)
- CFT L2 Trigger (CFTpp)
- SV L2 Trigger (SVTpp)

SF ...

Data Sent to the Triggers

The CFT Front Boards will send the following data:

To the μ L1 Trigger System

80 x 6 = 480 Pt, f pairs

To the CFTTM

**# of Tracks with
Isolation
PreShower Flag**

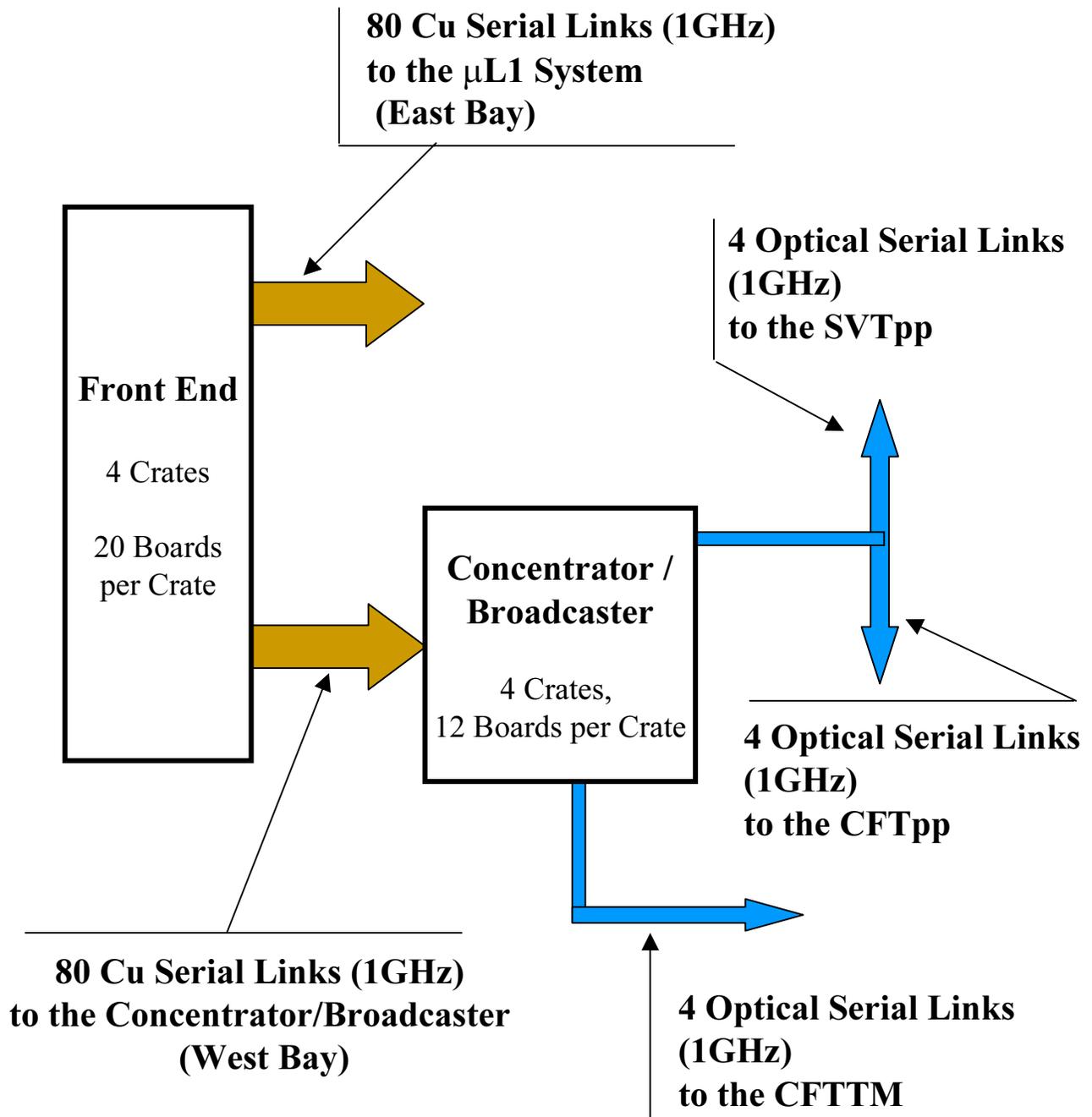
To the SVTpp and the CFTpp

The information sent to the CFTTM
plus

**8 bits/track up to 800 tracks in 2μ s
or 16 bits/track up to 400 tracks in 2μ s**

CFT Architecture

Data Flow to L1 and L2



People & Links

Front End Board

Fred Borcharding

CFT Broadcaster

Manuel I. Martin

CFTTM

Mario Vaz (CBPF)

Physicists

PH1 (CBPF)

PH2 (FNAL)

Elec. Eng.

E1 (CBPF)

E2 (FNAL)

Mec. Eng.

M1 (FNAL)

Technicians

T1,T2

Software

SS (FNAL)

mL1

Ken Johns

CFTpp

Drew Baden, Jim Linnemann

SVTpp

Horst Wahl

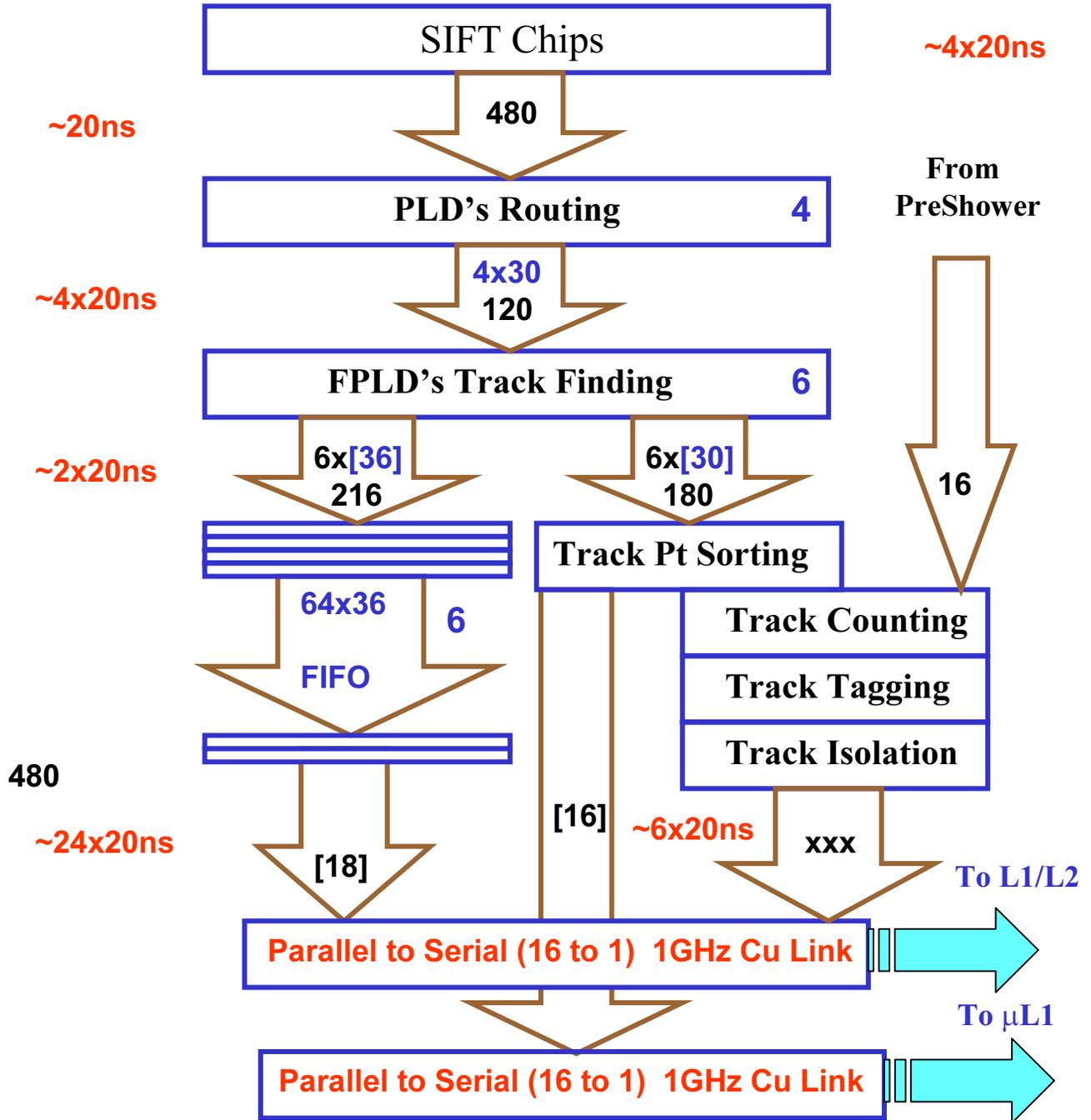
General Schedule

For better or for worst, this file is missing

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CFT Front End

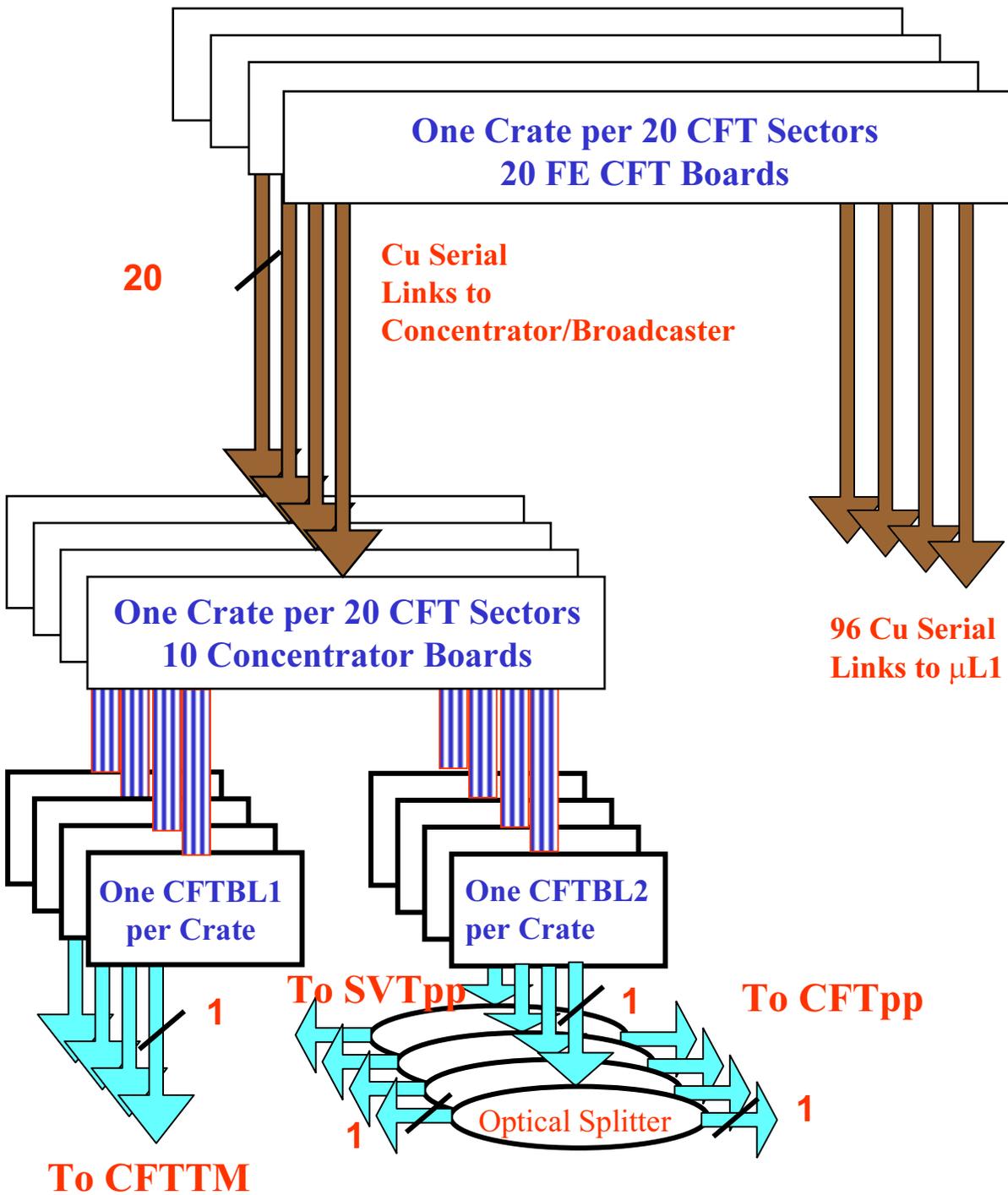
Data Flow Diagram



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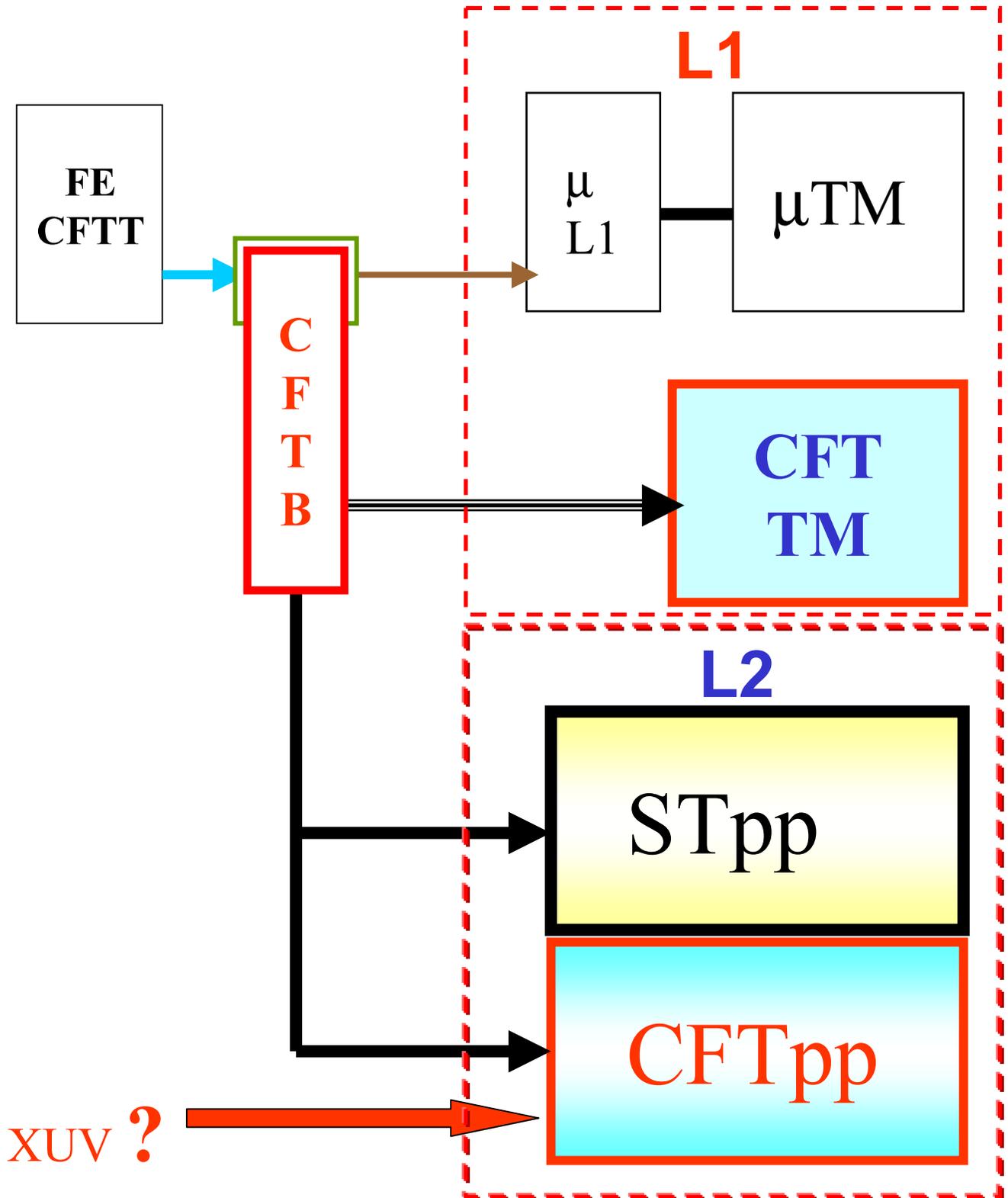
CFT Architecture

Data Flow to L1 and L2



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Proposed Design



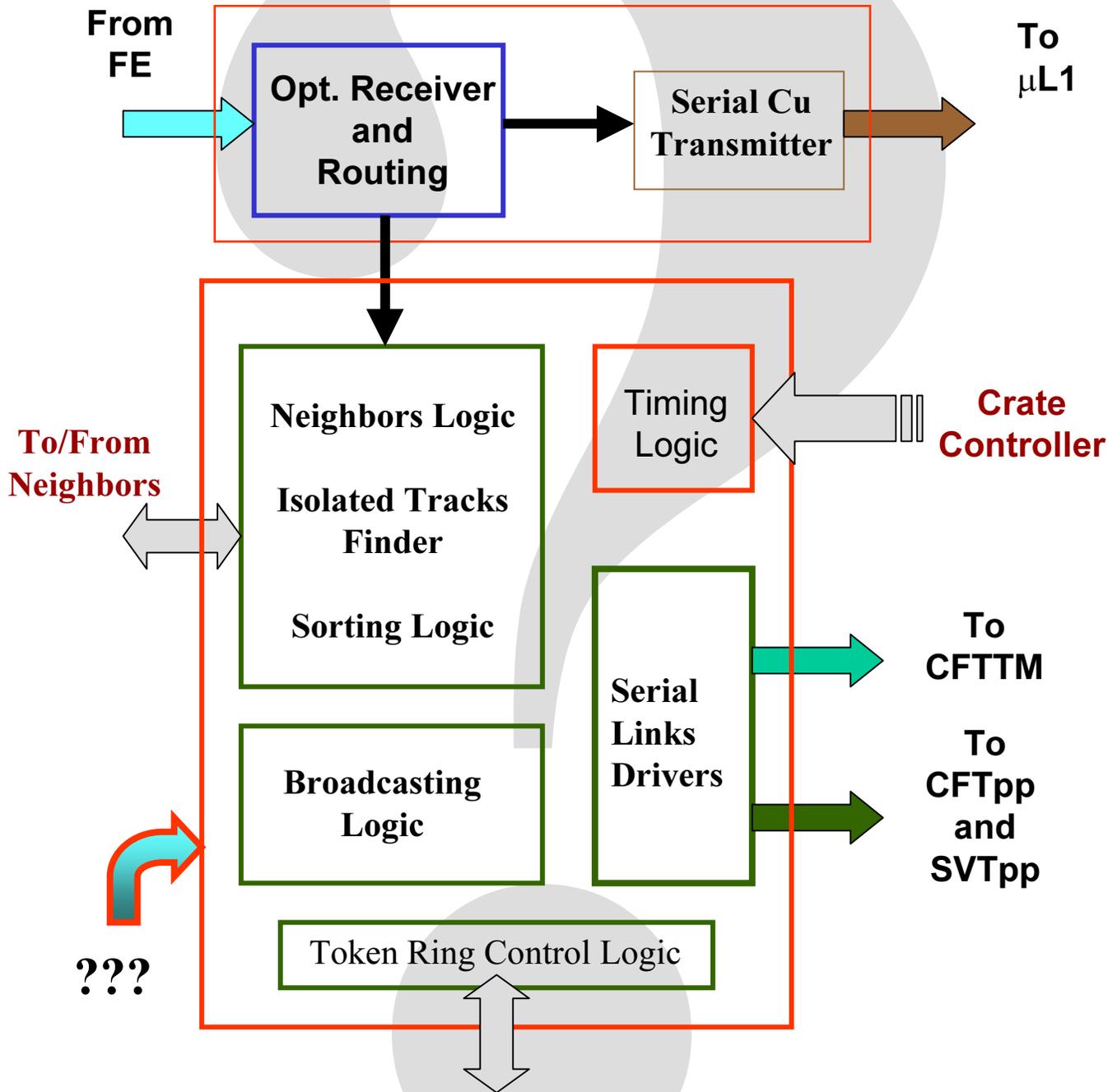


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Crate Configuration

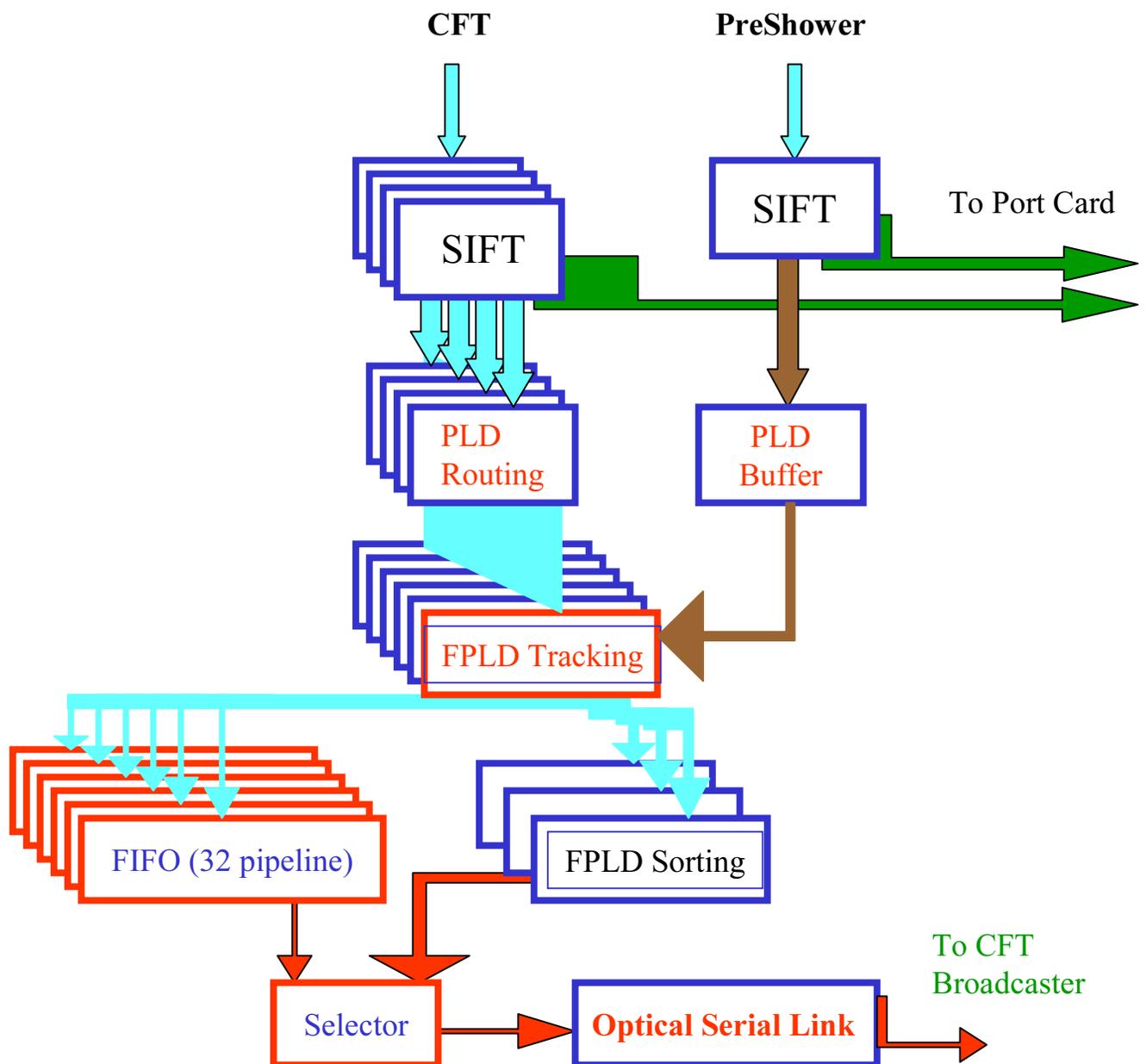


CFTB Back Diagram



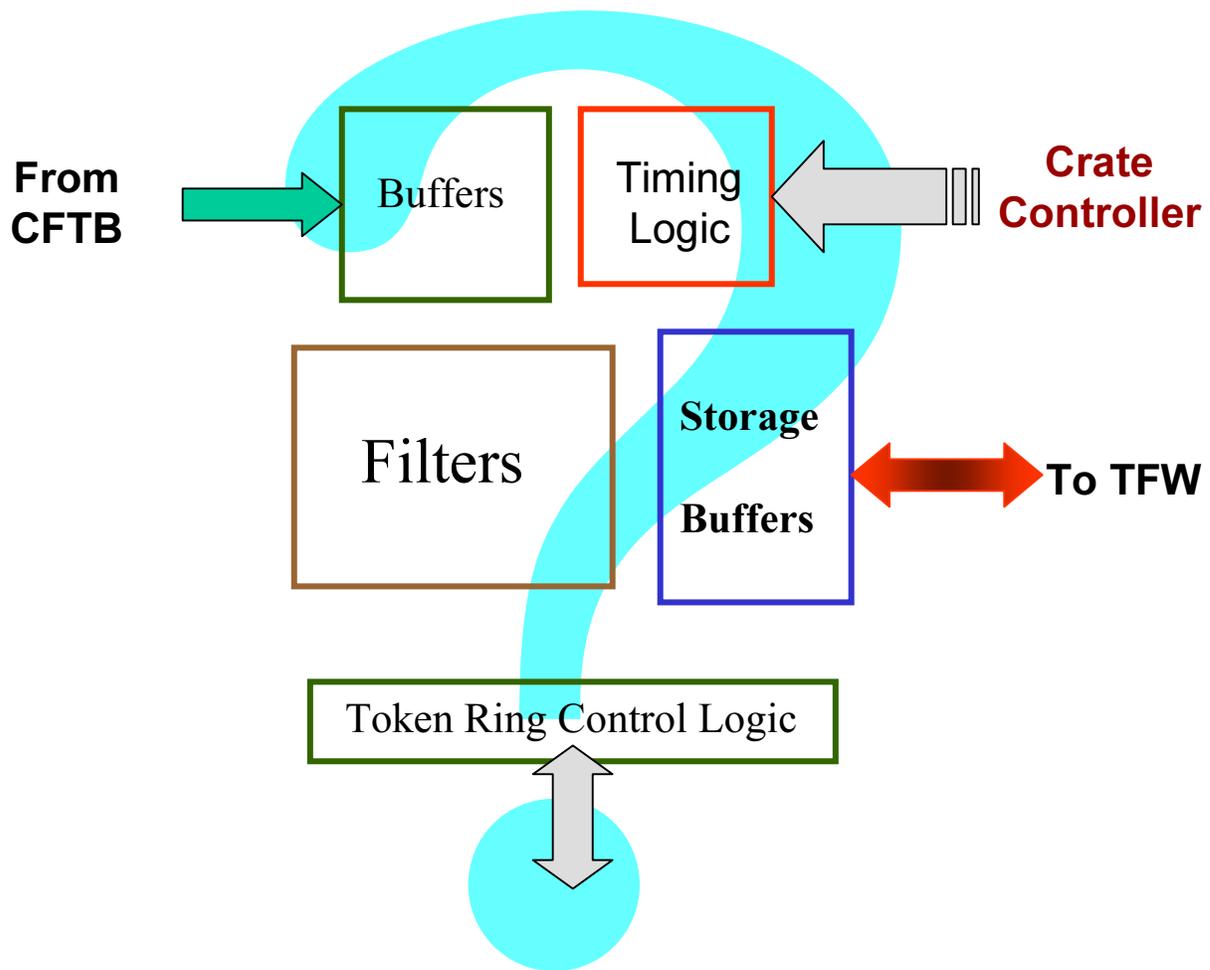
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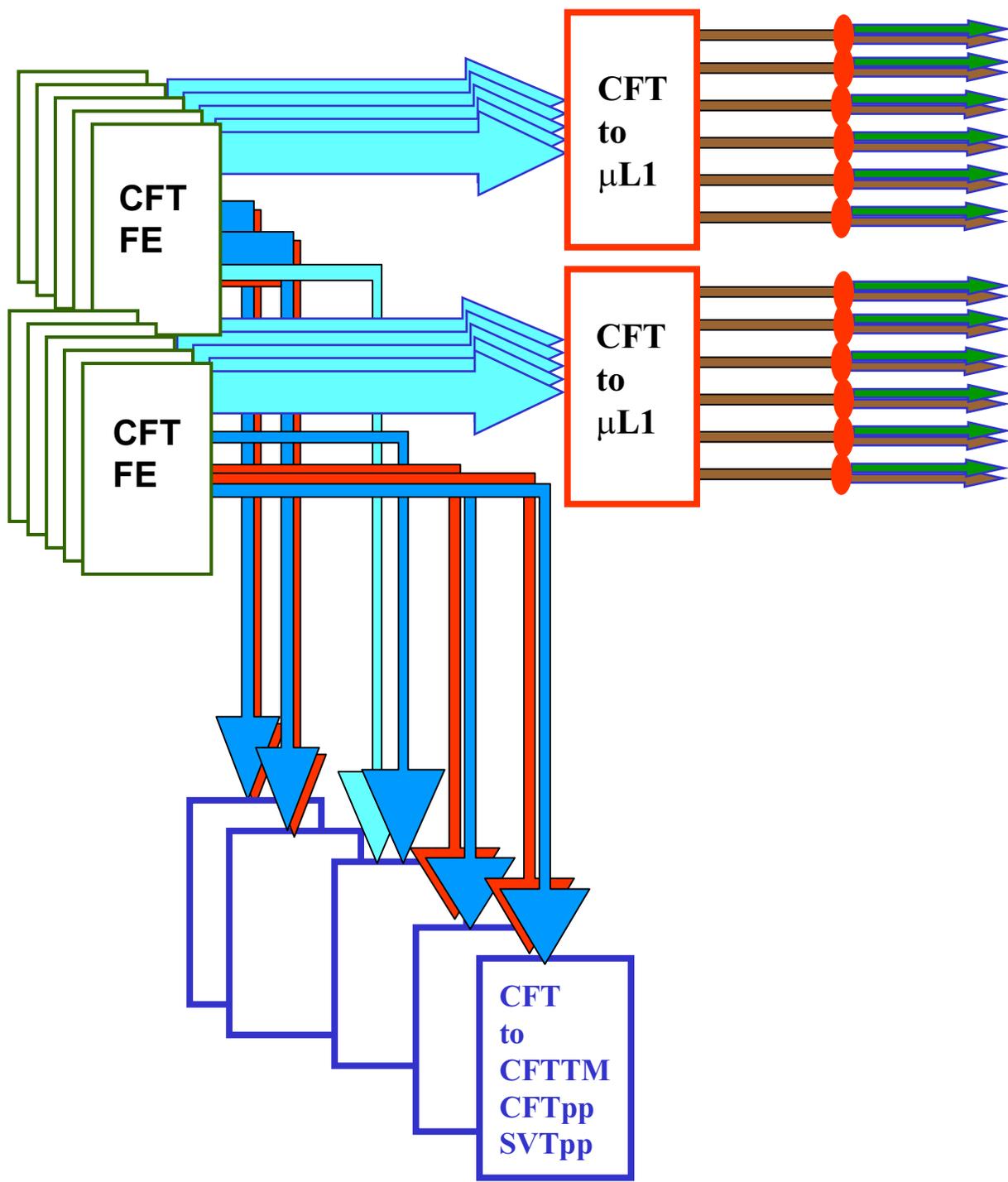
CFT Front End Block Diagram



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CFTTM Block Diagram





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Disclaimer

A good Project Management starts with:

- a well define “GOAL”
- a list of “wants” and “wishes”
- a preliminary functional design based on the above
- a selection of a team of experts: the “principals”
- an Schedule generated with the inputs of the “principals” involved
- a Budget based on the functional design and previous experience

From a 1977 presentation to SEARLE Corporate Management
by Manuel I. Martin

Manuel I. Martin

NOTION

“I shall show how some of these uncertainties so dominate some men that in their fancy and belief they become established as truths”

The Book of Beliefs and Opinions,
Saadia Gaon, 937 CE