Intermezzo ? - Intermezzi !

Started early with the hardware & software interplay (2nd year of physics and numerical mathematics study at Mainz): extended an Algol 60 compiler with interval arithmetics and double precision, had to start from (decimal) machine code

Mainz Microtron MAMI (while finishing PhD work on J/Ψ): non-linear simulation in software and hardware, control system on two connected computers, first operation

1st journey to Nepal

Many years of HEP at OPAL, with excursions to UA1, JADE and STAR

Physicist in a different setting: five years in a software company at Bern for Swiss Telecom, an interesting detour as it turned out

Then, found my way back closer to science at DESY

a year of trekking and expeditions in the Himalayas and Andes

Until last August, with MPP at ATLAS!

Hans von der Schmitt, München, December 2016

NUCLEAR INSTRUMENTS AND METHODS 138 (1976) 1–12; © NORTH-HOLLAND PUBLISHING CO.

THE DESIGN OF A CASCADED 800 MeV NORMAL CONDUCTING C. W. RACE TRACK MICROTRON*

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Institut für Kernphysik der Johannes Gutenberg-Universität, Mainz, W. Germany

Received 9 July 1976

A c.w. electron accelerator of 820 MeV maximum output energy at 100 μA beam current is proposed to make possible a large variety of coincidence experiments with medium energy electrons and photons as a future possibility of new, interesting experiments. It consists of a preaccelerator and 3 cascaded race track microtrons using normal conducting rf structures. The design of this accelerator, based on detailed computational investigations of its beam dynamics and some experimental studies, is communicated and partly discussed in this paper.

[3]) B. H. Wiik and P. B. Wilson, Nucl. Instr. and Meth. **56** (1967) 197.

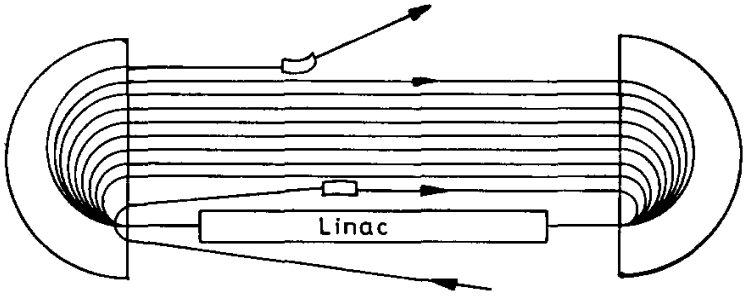

Fig. 1. Scheme of a RTM.

Nepal 1979 ...

ANANAS

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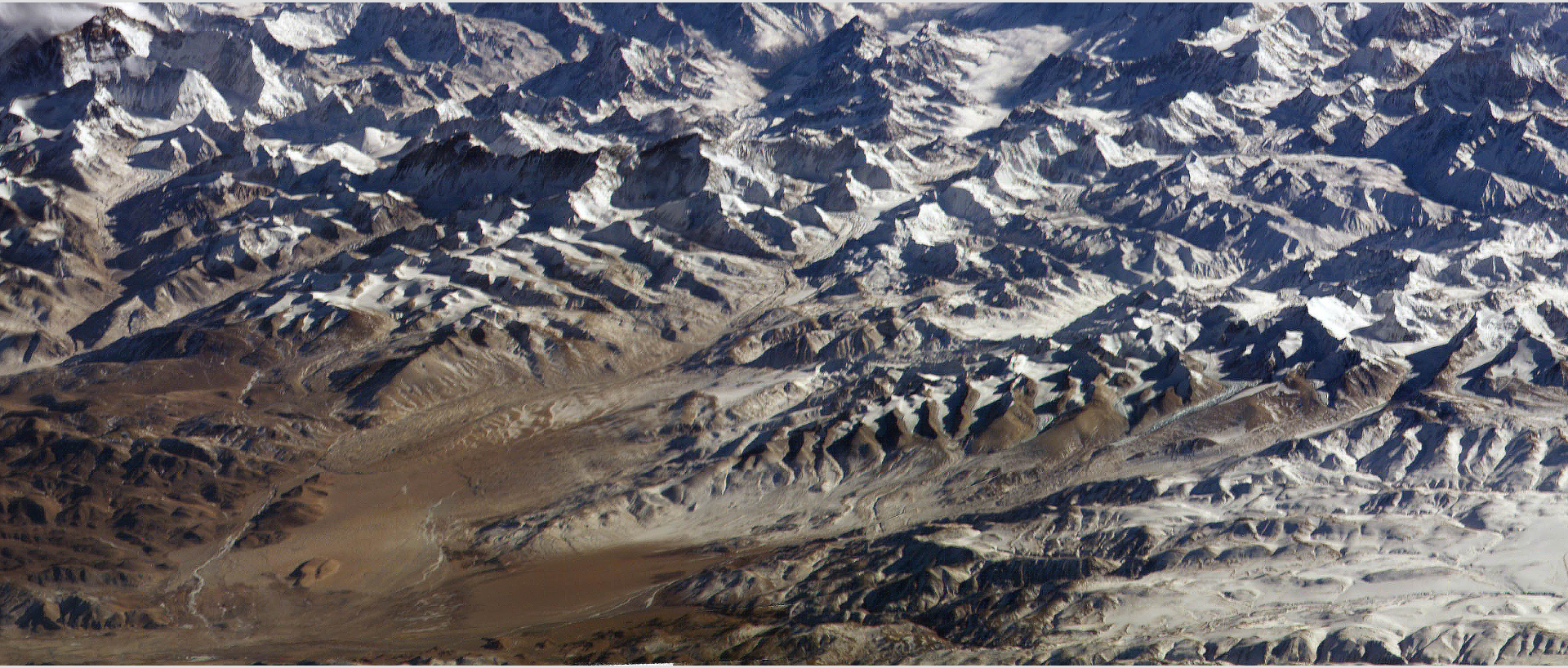

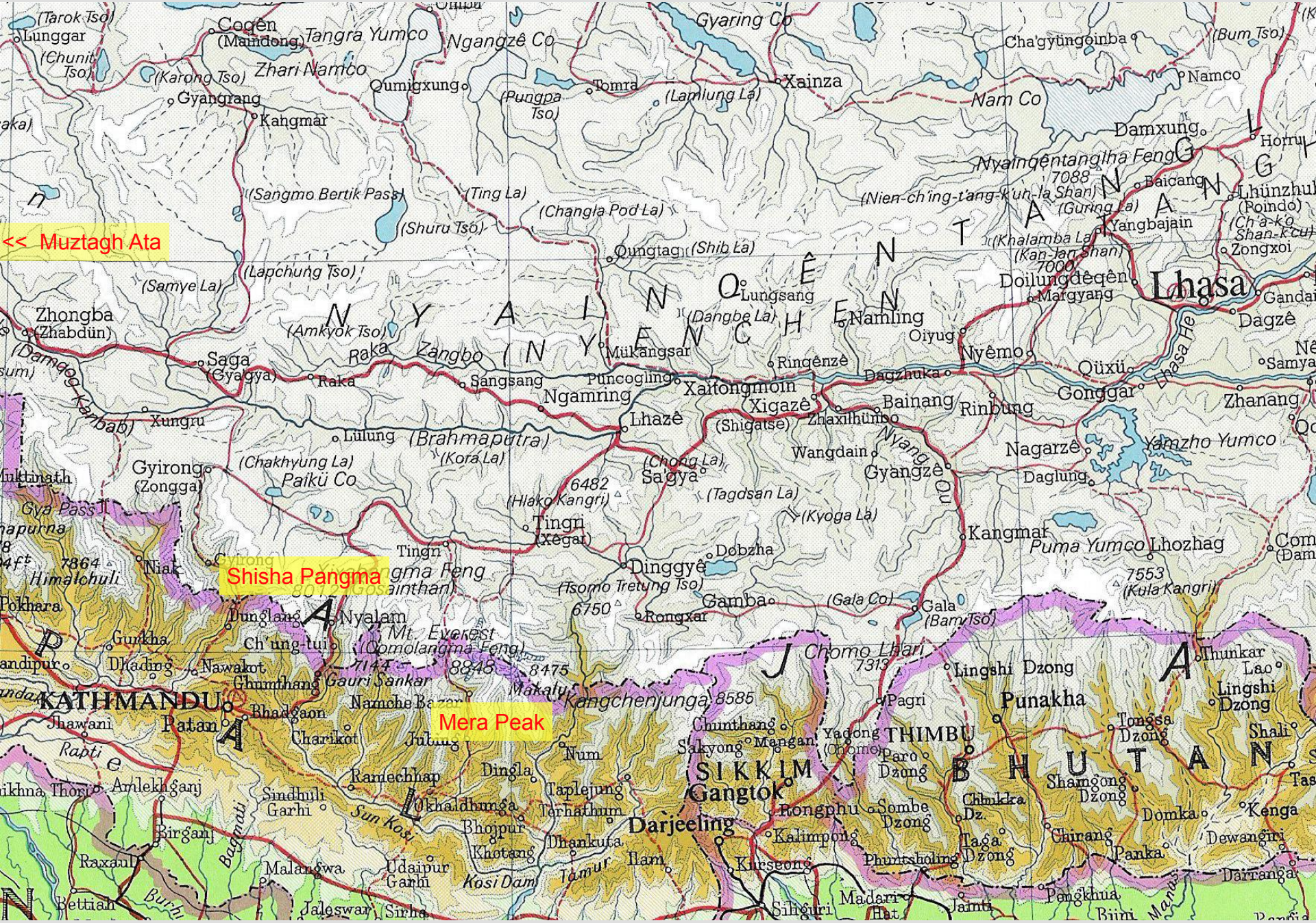

<< Muztagh Ata
Shisha Pangma
Mera Peak
Lhasa
KATHMANDU
Patan
Gangtok
Darjeeling
Punakha
THIMBU
SIKKIM
Nam Co
Yarlung Tsangpo
Brahmaputra
Kangchenjunga
Mt. Everest
Gyangzê
Shigatse
Xainza
Namling
Nyêmo
Zhongba
Saga
Gyirong
Kathmandu
Pokhara
Nepal
Bhutan

ABC
5600m
C1
6400
C2
7000
C3
7300
Kangbu R1
Xifeng Peak
Fuqu Peak
Yebokangjial Peak
Beifeng Peak
Wastern Crom
Molamengjin Peak
Mt. Xixabangma
NORTH RIDGE
WEST RIDGE
EAST RIDGE
Xiebupu Glacier
Yebokangjial Glacier
Dadu Glacier
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5588
5935
5891
6156
5764
6207
6197
6001
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6142
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6055
7262
7342
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7795
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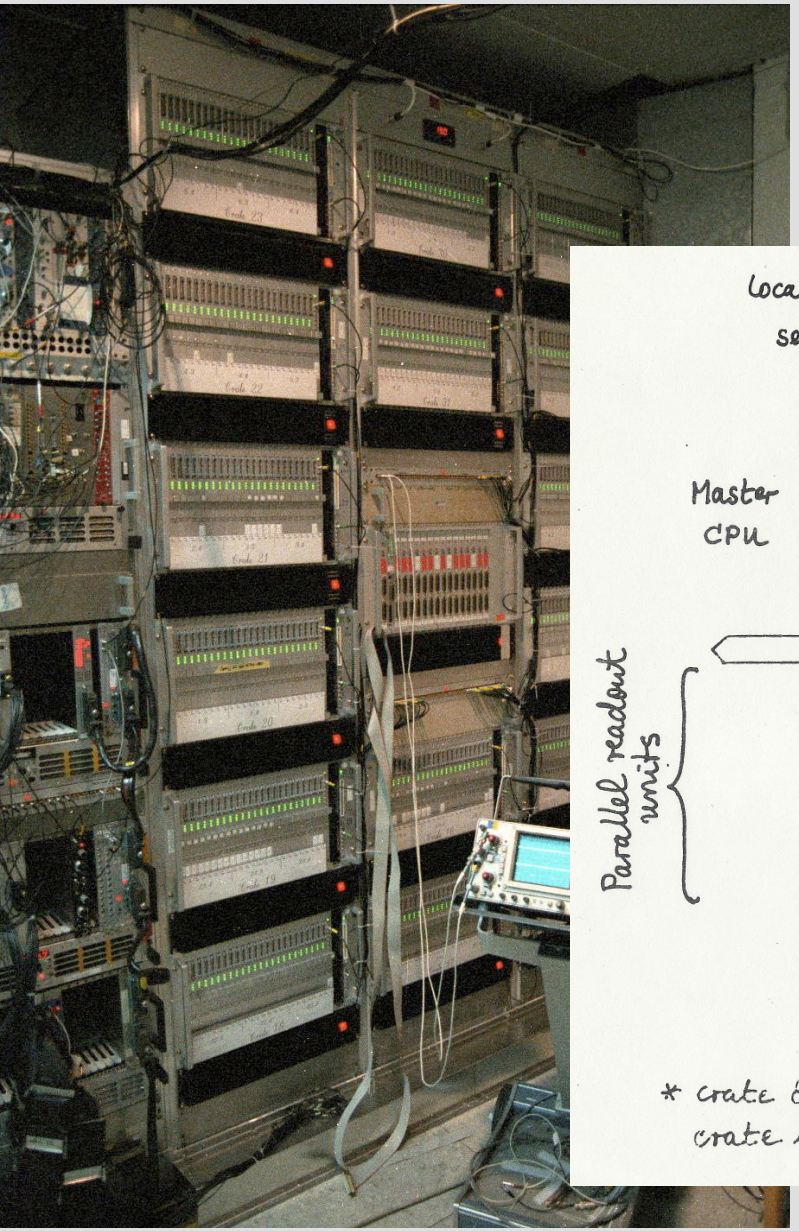
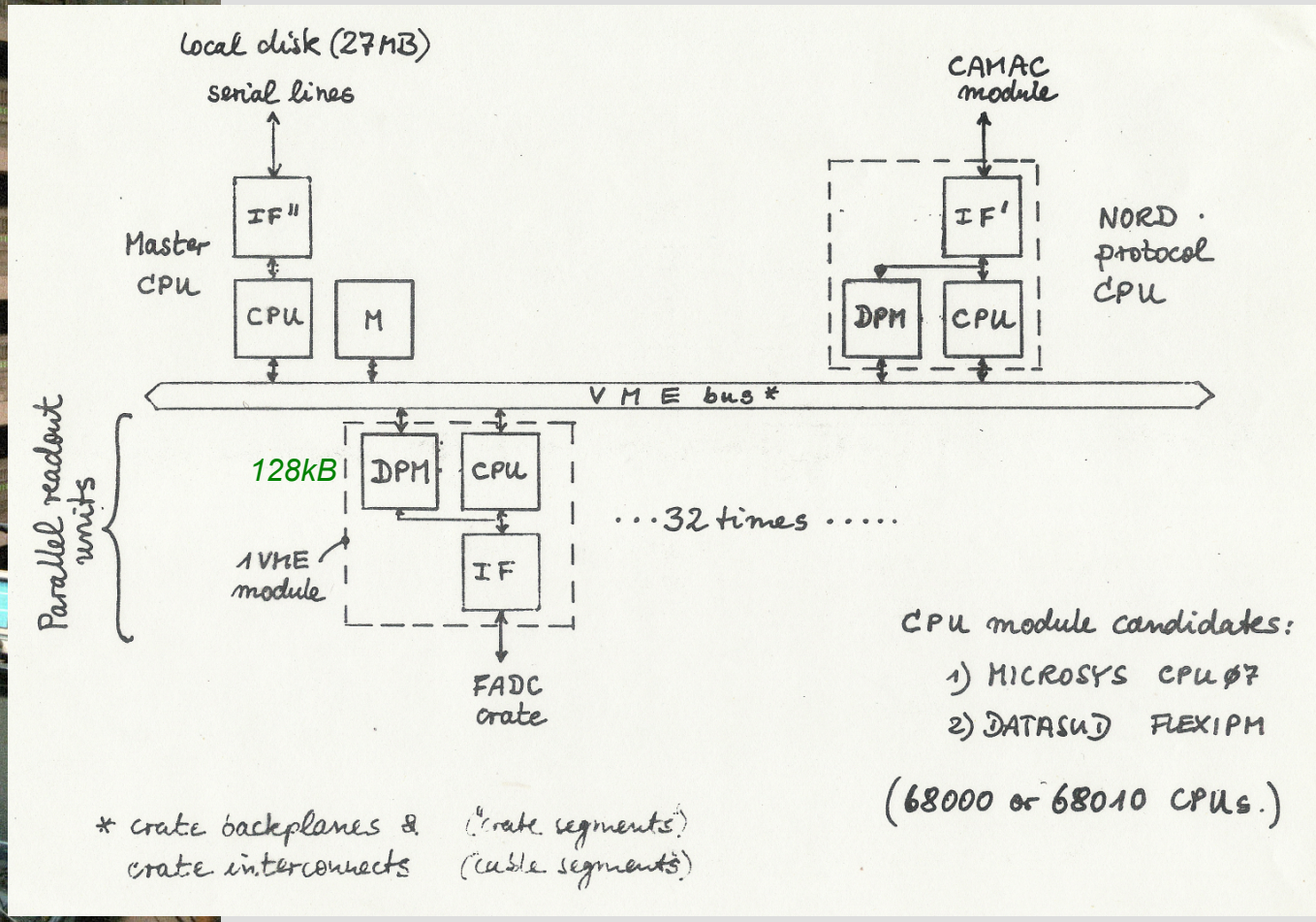
5793
7415
5983
5201
6089
7486

In higher altitudes ...

Jade FADC readout system