



Center for Technology Transfer and Marketing

CTTM

HADRON PHYSICS DEPARTMENT

GENERAL DESCRIPTION

Basic research on strongly interacting matter, R&D activities for detection and identification systems, front-end electronics – ASIC and SMD technologies, construction and tests of detector prototypes and large scale experimental device, calibrations, data processing and analysis.

APPLICATION DOMAINS

Basic research and transfer towards applied research and technological transfer

MAIN ADVANTAGES

The whole chain of activities from R&D and design of detector prototypes, front end electronics, radioactive sources, cosmic rays and in-beam tests, design, construction and tests of complex experimental devices, unique infrastructure in terms of clean rooms, specialized equipment for detector tests, data acquisition systems, complex software for calibration and data analysis, worldwide recognized experts.

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POTENTIAL CUSTOMERS OR COMMERCIAL APPLICATIONS

Research groups, research institutes involved in basic and applied research or technological transfer

KEYWORDS

HPD (Hadron Physics Department),
RPC (Resistive Plate Counters),
TRD (Transition Radiation Detectors),
ASIC (Application Specific Integrated Circuits),
SMD (Surface Mounting Device),
ALICE-CERN,
CBM-FAIR