Goal of the Experiment
The main goal is to investigate on the mass and isospin dependence of the multifragmentation process and of the already evidenced nuclear caloric curve.
Experiments @ GSI

Reactions to be studied in 2003 (S254):

\[ ^{197}\text{Au}+\text{C}, \text{Au}; \quad ^{124}\text{Sn}+\text{Ni}, \text{In} \]

\[ ^{124}\text{La}, \quad ^{106}\text{Sn}+\text{In} \quad E_{\text{inc}} = 0.6 – 1.0 \text{ GeV/u} \]

ALADiN set-up:
Start-Detector + Magnet + TP-MUSIC (improved with 12 position sensitive proportional counters for charge resolution down to Z=1) + ToF-Wall + HODO-CT (positioned around the angular acceptance of the magnet with the fundamental role of experiment trigger).

HODO-CT at GSI
Experiments @ GSI
S254: Mass and Isospin Effects in Multifragmentation

A test run in December 2002 was performed at GSI, with Zn beam at 600 AMeV, for checking the detection apparatus and the acquisition system that will be used in the next experiments. In particular, the HODO-CT hodoscope was transferred to GSI and mounted for the test-run.

Test-Run. First Results

Z-distribution measured in the Proportional counters. We can measure charges up to Z=30!

Positions measured via PPAC and Music I.C. anodes. Plot shows linearity for both measurements.

Experiments @ LNS (Temperature + Fiasco)

The experiments, performed in 2001, had the aim to study the particle-particle correlation functions and the temperature-excitation energy correlation in a large dynamical range. At present analysis is in progress.