- **data taken so far (logbook):**
  cosmics with B   88 h   ~150 k TRD events
  cosmics with B=0   155 h   ~300 k TRD events
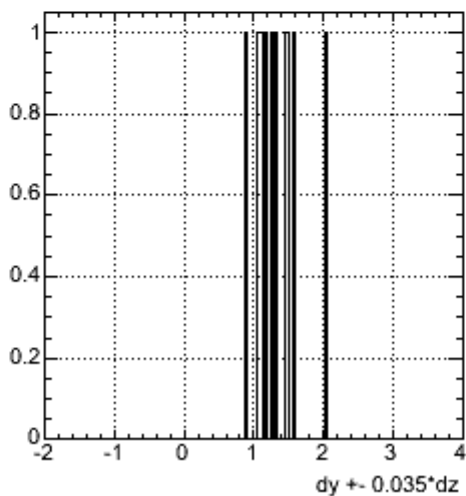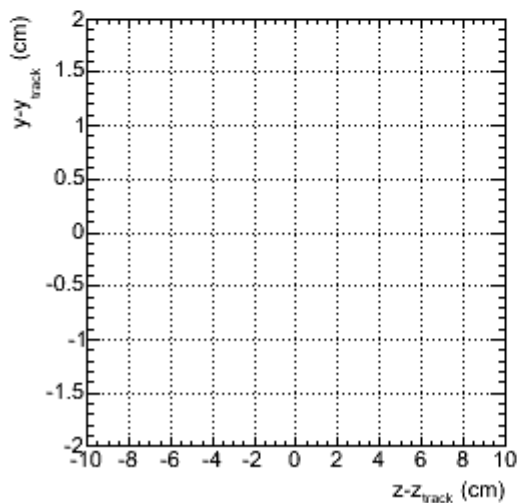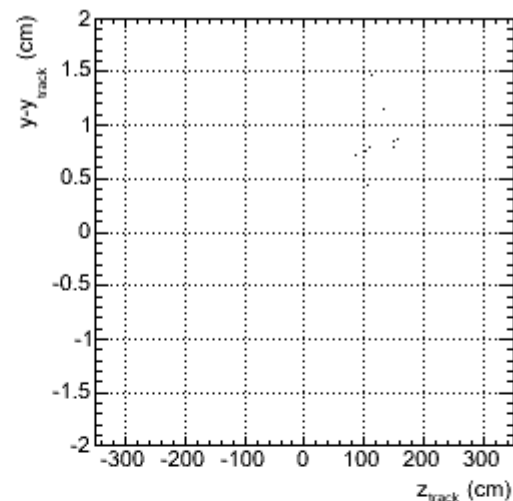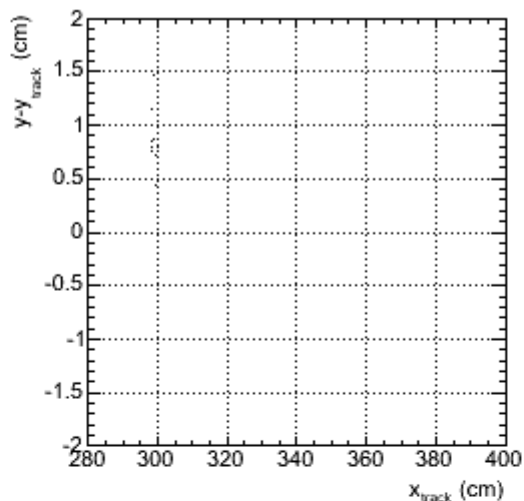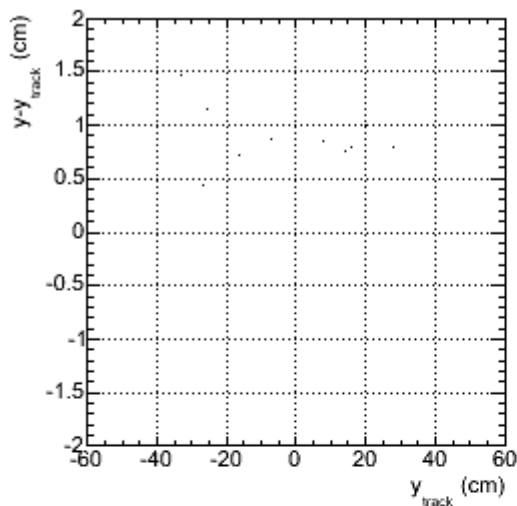 cosmics with B=?   157 h   ~300 k TRD events
  krypton standalone TRD   ~500 M events (20 TB)

- **central reconstruction does not work for TRD**

- **local reconstruction at GSI: 28 M krypton,
  4.5 M cosmics (8 k with TRD trig)**

AliTrackResidualsFast

Aligning volumes
    18433 (TRD/sm00/st1/pl0)
to reference volumes
    14336 (TPC/EndcapA/Sector1/InnerChamber)
    14354 (TPC/EndcapC/Sector1/InnerChamber)
    16384 (TPC/EndcapA/Sector1/OuterChamber)
    16402 (TPC/EndcapC/Sector1/OuterChamber)

Result
    shift in phi   -1.744
    shift in z   13.083
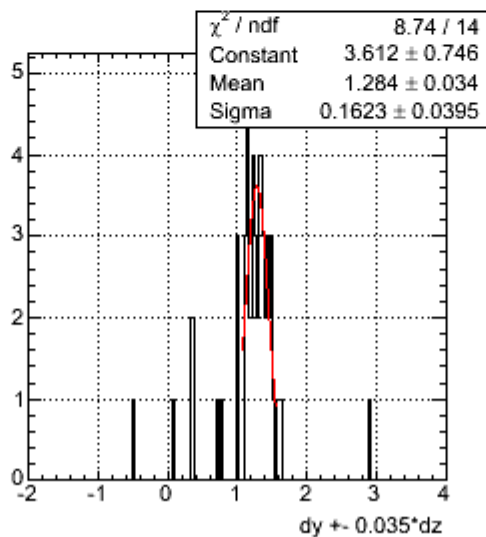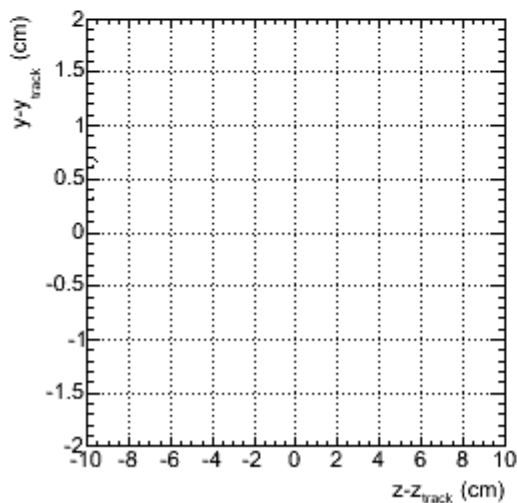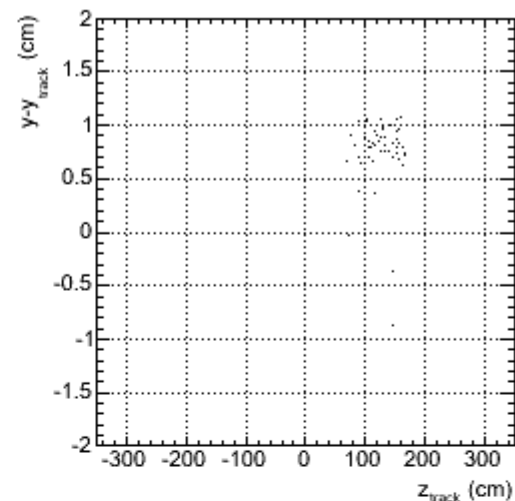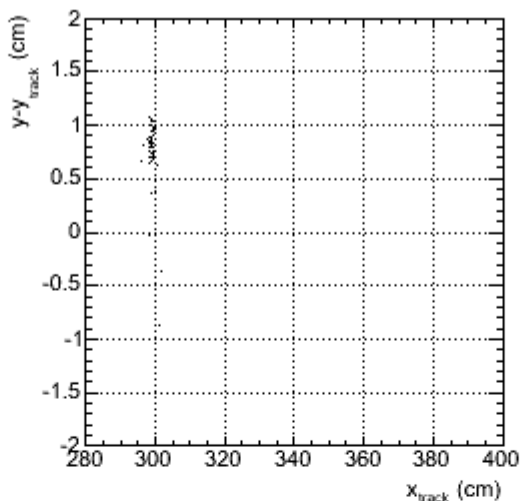   shift in r   -3.453
    tilt in phi   -5.4461
    tilt in z   0.4520
    tilt in r   0.6720
Residuals shown before alignment

χ^2 / ndf	8.74 / 14
Constant	3.612 ± 0.746
Mean	1.284 ± 0.034
Sigma	0.1623 ± 0.0395
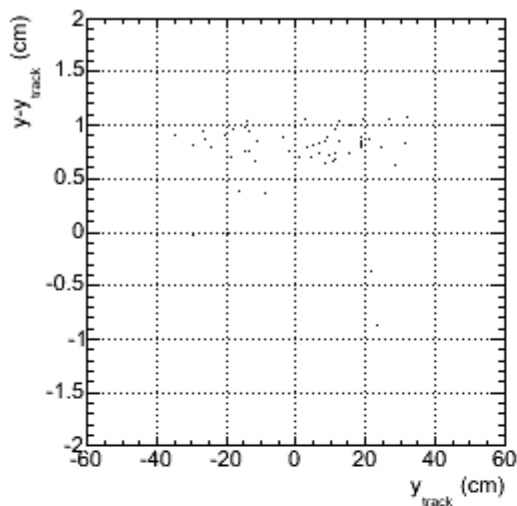
AliTrackResidualsFast

Aligning volumes
    18433 (TRD/sm00/st1/pl0)
to reference volumes
    14336 (TPC/EndcapA/Sector1/InnerChamber)
    14354 (TPC/EndcapC/Sector1/InnerChamber)
    16384 (TPC/EndcapA/Sector1/OuterChamber)
    16402 (TPC/EndcapC/Sector1/OuterChamber)

Result
    shift in phi   -1.296
    shift in z   11.110
    shift in r   -3.630
    tilt in phi   5.7382
    tilt in z   -2.0924
    tilt in r   0.5437
Residuals shown before alignment

cosmics and krypton 2009 - how to proceed

- fix trunk and v4-17-Release: reconstruction (Markus)

- fix trunk and v4-17 Release: QA (Sylwester)

- pedestals, t0, drift velocity (Raphaelle)

- run small reconstruction at GSI (Markus)

- check calibration quality of these runs (Raphaelle)

- look at krypton clusters (Mustapha)

- look at track points (Sebastian)

- request rerunning central reconstruction (GRP for Kr?)