Motivation

- Search for the Evidence of the Onset of Deconfinement

  → Energy Scan Program started in '99 at CERN

  → Search for Anomalies in the Energy Dependence of physical Observables; here: Strangeness Production

- Lambda Hyperons contain 30-60% of the s-Quarks (depending on Energy)

  → With Lambdas we can study simultaneously Strangeness Production and the Effect of net Baryon Density

  → Extract the Lambda Excitation Function