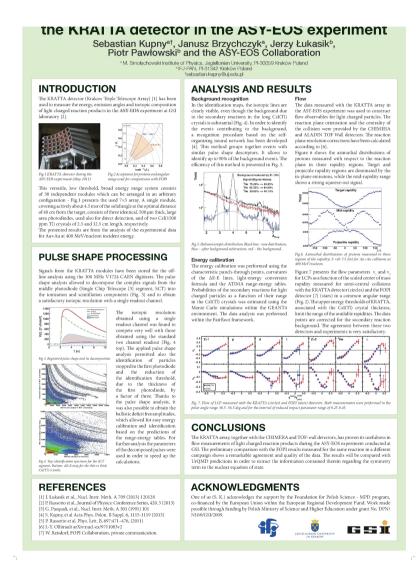
Charged particle flow measured with the KRATTA detector in the ASY-EOS experiment

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The KRATTA detecting system

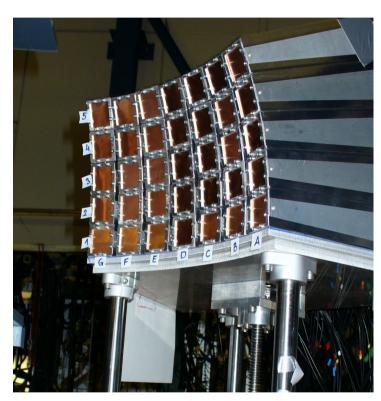


Fig.1: The KRATTA

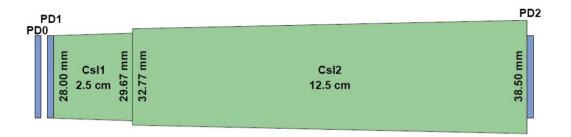


Fig.2: Active elements of the single module: 3xSilicon photodiodes and 2xCsI(Tl)

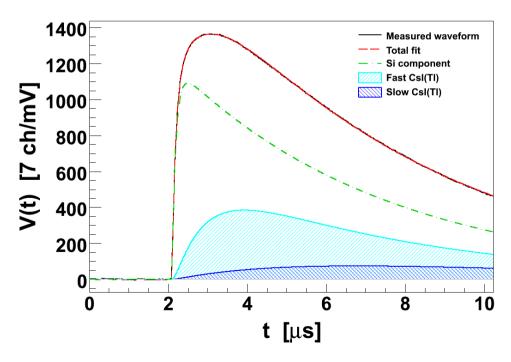


Fig.3: Pulse shape with their decompositon

The KRATTA detecting system

- Background reduction
 - With self-organizing neural networks,
 - See poster of J.Lukasik
- calibration and identification

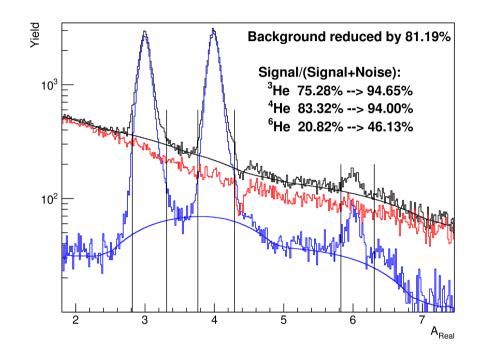


Fig.4: Helium isotopic distribution. Black line – raw distribution, blue – after background subtraction, red – the background.

Light Charged Particles flow

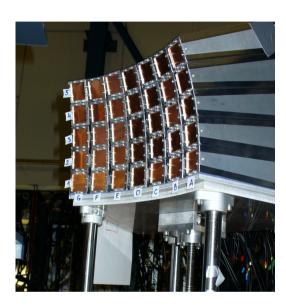
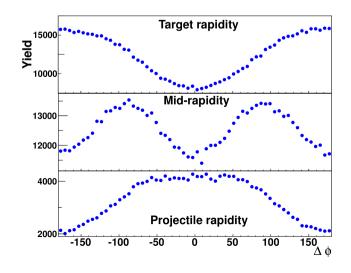


Fig.5: The KRATTA (2011)



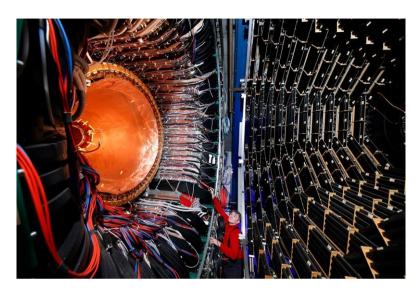
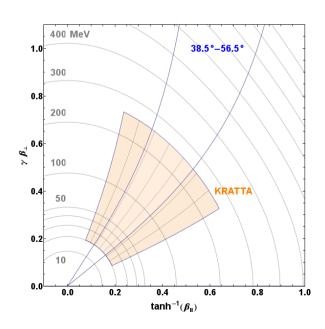


Fig.6: The FOPI detector, Foto: Thomas Ernsting/HA Hessen Agentur, 2013



Flow of Light Charged Particles

comparation with FOPI data

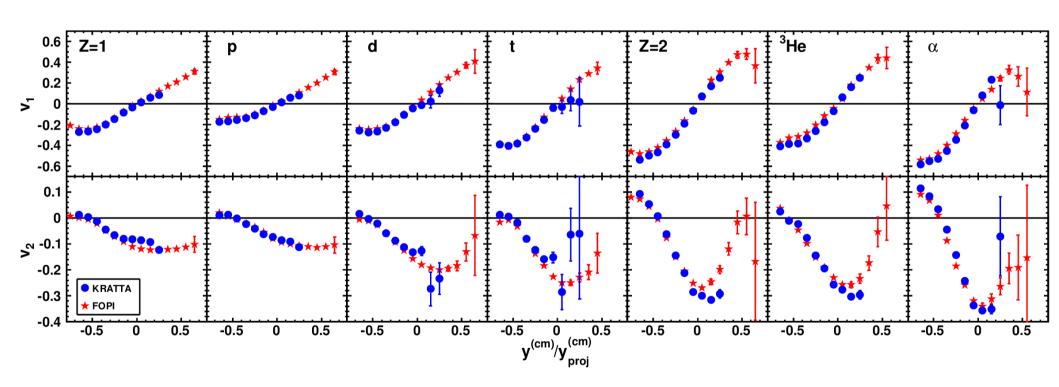


Fig.9: Flow of LCP measured with the KRATTA (circles) and FOPI (stars) detectors. Both measurements were performed in the polar angle range 38.5-56.5 deg and for the interval of reduced impact parameter range of 0.25-0.45.