Kinematical tricks

K. Kilian

FZ-Jülich

In reactions with particles there can exist specific kinematical situations, w hi

- An outgoing particle in a direct two-body reaction can have zero momentu m
- The relative energy between two outgoing particles can vanish. (Velocity m
- The magnetic rigidity and direction of two reaction partners in flight m ay
- The magnetic rigidity and direction of an ingoing and an outgoing partic le
- Two and three body exit channels with stable particles can be reconstruc te
- A partial wave analysis of a system decaying into two particles needs cl ea

Examples will be shown

E-mail: k.kilian@fz-juelich.de