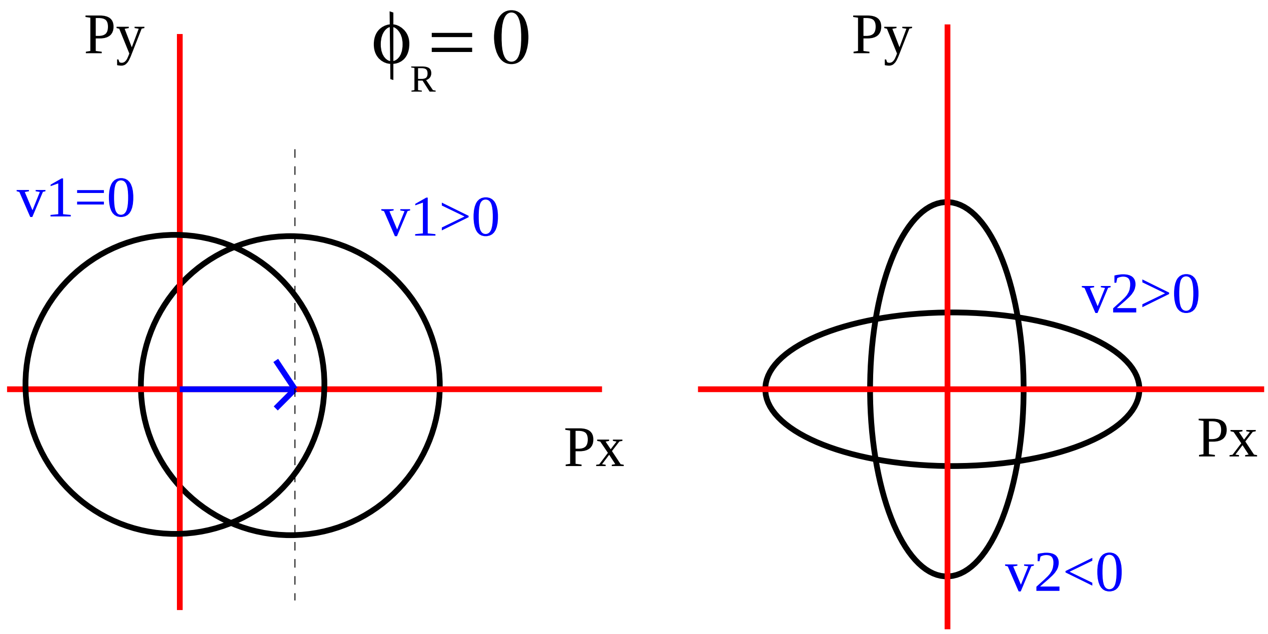
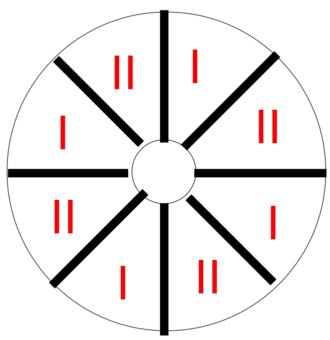
Anisotropic Transverse Flow

Fourier Analysis extracting 'Dipole' and 'Quadrupole' components

$$\frac{dN}{d(\varphi - \Phi_R)} \propto 1 + 2\, v_1\, \cos(\varphi - \Phi_R) + 2\, v_2\, \cos(2(\varphi - \Phi_R))$$



- use all charged particles in SDD
- define two subsample: I and II (phi slices)



- calculate for each subsample $\Phi_1^{I,\ II}$ and $\Phi_2^{I,\ II}$