

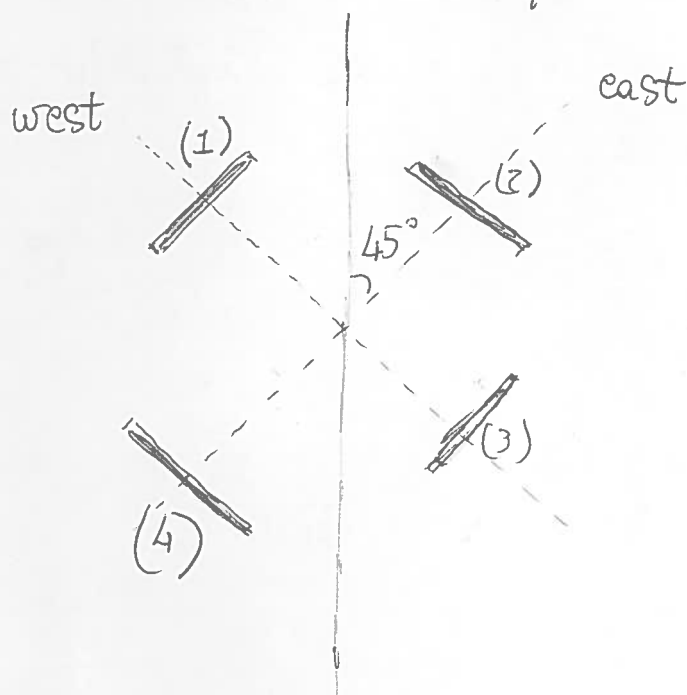
GROUP 3

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MEMBERS:

- Alberto Coliva
- Remco Castelijm
- Alejandro Ovid Gonzalez
- ANDREA TOSINI

PROPOSED GEOMETRY



- 1 & 3 in coincidence
(1 triggers 3)
- 2 & 4 in coincidence
(2 triggers 4)

$I \propto \cos^2 \theta$ intensity of cosmic rays

$$\frac{dI}{d\theta} \propto 2 \cos \theta \sin \theta$$

$$\hookrightarrow I = \int dI \propto 2 \int \cos \theta \sin \theta d\theta \rightarrow \text{max at } 45^\circ$$

► measurement of charge asymmetry:

$$A^{WG} = \frac{N^{WEST} - N^{EAST}}{N^{WEST} + N^{EAST}}$$