



This is to certify that

J Alberto Vazquez G

presented the contributed talk

"Dark energy from Observations"

at the conference

**Cosmology on the Beach,
Essential Cosmology for the Next Generation**

celebrated in Punta Mita on December 10-16, 2017.

A handwritten signature in black ink, appearing to read 'Jorge Cervantes Cota'.

Jorge Cervantes Cota
Instituto Avanzado de Cosmología