



千葉大学大学院理学研究院附属

ハドロン宇宙国際研究センター

International Center for Hadron Astrophysics

# May ICEHAP Seminar

**Date** May. 24th Friday 14:00~16:00

**Location** ICEHAP Office (Engineering Research Bldg.1 Room609-1)

**By** Nora Linn Strotjohann (DESY, IceCube)

**Title**

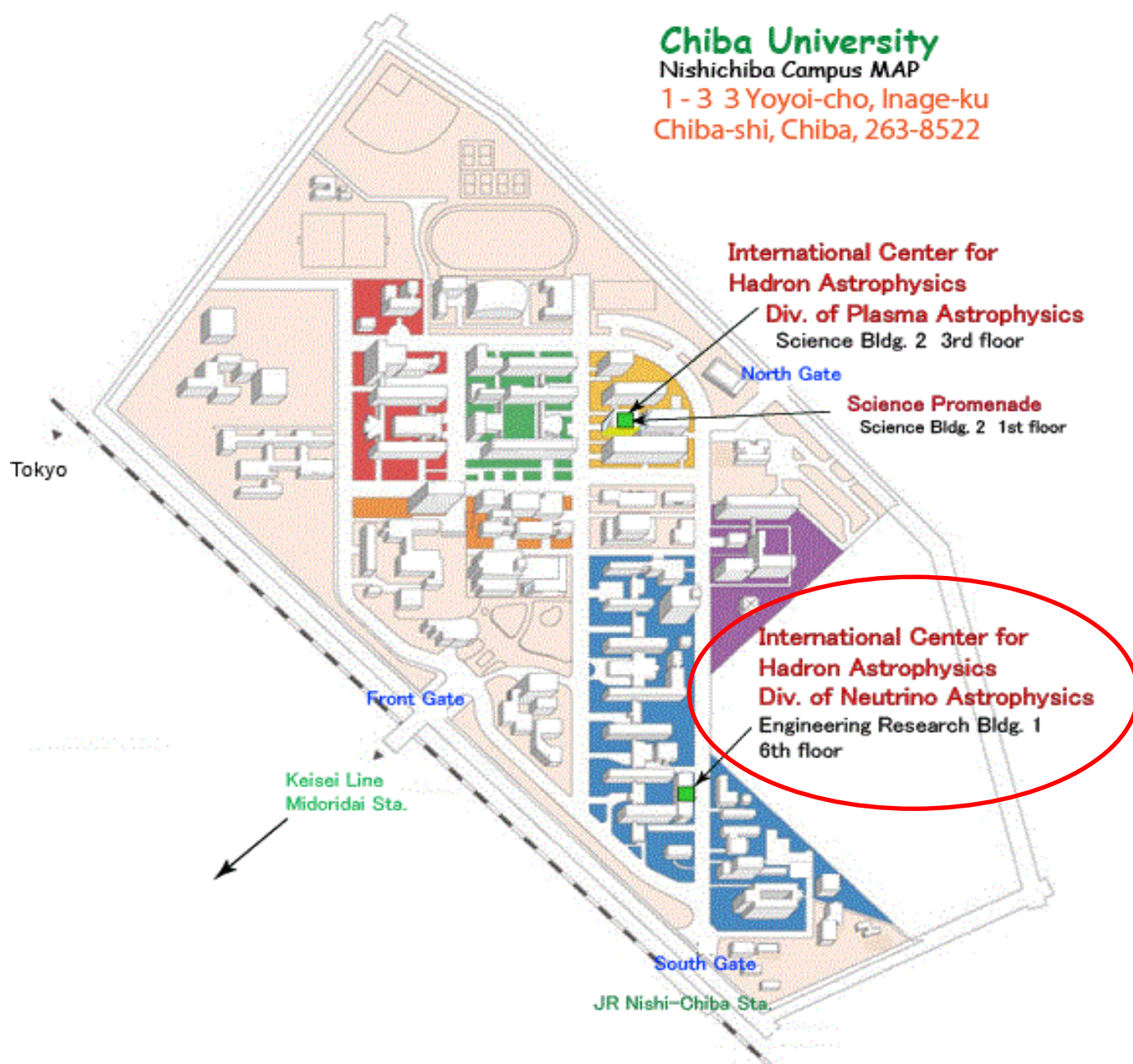
『Search for extragalactic neutrino sources with the IceCube detector』

**Abstract**

With the detection of an astrophysical neutrino flux the IceCube neutrino observatory has provided strong evidence for the existence of extragalactic high-energy neutrino sources. It is however so far unknown which source class accounts for the majority of this flux. I will introduce several IceCube searches for astrophysical neutrino sources with a focus on IceCube's optical and X-ray follow-up program which is looking for neutrinos from 100s-long transients. The different search channels are complementary and I will describe which sources have the largest probability of being detectable.

**Location:** Neutrino Astrophysics Department

@ Engineering Research Bldg. 6<sup>th</sup> floor



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