## E167A (SKY) R.Hayano Search for a $\Sigma$ Hypernuclear Ground State by Kaon Absorption on <sup>4</sup>He

Submitted	(1988.1.21)
Approved	1988.2.26
Beam line	K3
Shift requested	100
Shift executed	84.1
Executed cycles	88[1,3,5,12,13]

## Papers and activities

ГΤ	I
	Legend

- Physics papers published in refereed journal
- Technical papers
- ★ PhD theses
- Conference and Symposium
- \* Internal Report and others
- R.S.Hayano et al.

Evidence for a Bound State of  ${}^4_{\Sigma}$ He Hypernucleus Phys.Lett.B231 (1989) 355.

- R.S.Hayano et al.
  - $\Sigma$  Hypernuclear Bound State Observed in Stopped K<sup>-</sup> Reaction on <sup>4</sup>He Nuovo Cimento 102A (1989) 437.
- T. Yamazaki et al.

Trapping of Negative Kaons by Metastable States During the Atomic Cascade in Liquid Helium Phys.Rev.Lett.63 (1989) 1590.

R.S.Hayano

Production and Structure of Light  $\Sigma$  Hypernuclei Nucl. Phys. A 508(1990) 99.

R.S.Hayano

Light Σ Hypernuclei

Nucl. Phys. A 527 (1991) 477.

• H.Outa et al.

Lifetime Measurement of  ${}^4_{\Lambda} H$  Hypernucleus Nucl.Phys.A547 (1992) 109.

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<sup>4</sup>He ( $\overline{K}$ ,  $\pi$ <sup>±</sup>) Experiments at KEK and BNL Nucl.Phys.A547 (1992) 151.

Physics papers published in refereed journal.

Technical papers.

<sup>★</sup> PhD theses.

<sup>♦</sup> Conference and Symposium.

<sup>\*</sup> Internal Report and others.